



**UNIVERSITY FOR
DEVELOPMENT STUDIES**

VICE - CHANCELLOR'S REPORT

Saturday, April 29, 2023

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Foreword

The Vice-Chancellor's report takes stock of major activities of the various Directorates, Schools, Faculties, Centers, Institutes, Sections and Units of the University. During the 2021/2022 academic year. This Report satisfies a statutory requirement for the Vice-Chancellor to highlight, annually, the activities of both teaching and non-teaching departments in the University. The Report serves as a reference document and research material for the University community and the general public as a way of providing detailed information about the activities of the University during the 2021/2022 academic year.

In summary, the purpose of this report is to provide a picture of the institution today and to outline areas for progress tomorrow. It describes our vision and approach to higher education, our challenges as an institution. The report also provides an insight into some of the characteristics of our students, our academic programmes, and our faculty.

All sectors of the University contributed immensely towards the successful completion of the 2021/2022 academic year. This is manifested in the remarkable achievements by staff and students which have been documented in this report.

The 2021/2022 Academic year coincided with the 30th anniversary of the establishment of University for Development Studies. The 2021/2022 academic year was also a period when, along with the rest of the world, UDS struggled with the limitations forced on us by the COVID-19 pandemic. As a university, we were specifically faced with the challenge of providing infrastructure to accommodate the large numbers of qualified applicants.

In the year under review, the University celebrated the works of five (5) of her astute academic staff, namely Prof. Felix Kofi Abagale, Prof. Stephen Tabiri, Prof. Samuel Donkoh, Prof. Elias Sowley and Prof. Frederick Adzitey all of whom delivered their inaugural lectures.

Management, in furtherance of the Vision of UDS to create and sustain linkages for teaching and research, signed memoranda of understanding with top-notch universities and research institutions such as the University of British Columbia, the Appalachian State University, USA, the Iran University of Medical Sciences, the Green-Gro Limited, the SoftTribe Limited, among others.

Reports I have received from the communities in which our students have gone to serve as

part of the Third Trimester Field Practical Programme (TTFPP) indicate that our students continue to reflect our motto, mission and vision in those communities.

We continued to focus on increasing access to students from poor and marginalised communities and homes, so that future researchers and scholars will represent a wider spectrum of Ghanaians and students from the international community. In view of this the University launched the UDS Endowment Fund which aims to raise One hundred million Ghana cedis (GH¢100,000,000) in the first five years to be invested and distributed to qualified students and priority projects.

On behalf of the Governing Council and Management of the University for Development Studies, I would like to acknowledge the tremendous achievements of our university, and the committed and passionate staff and students who each day make UDS' vision a reality. We also thank all our stakeholders and sponsors for their invaluable contributions to the growth of the University.

Prof. Seidu Al-hassan
(Vice-Chancellor, UDS)

Principal Officers



Prof. Wayo Seini
CHAIRMAN, UDS COUNCIL



Prof. Seidu Al-Hassan
VICE - CHANCELLOR



Prof. Felix K. Abagale
PRO-VICE - CHANCELLOR



Mr. Nurudeen I. Abubakar
REGISTRAR

Members of the UDS Governing Council



Prof. Seidu Al-Hassan
VICE - CHANCELLOR



Prof. Wayo Seini
CHAIRMAN, UDS COUNCIL



Prof. Ismail Bin Yahya
GOVERNMENT NOMINEE



Prof. Peter Amoah
GOVERNMENT NOMINEE



Rev. Dr. Mrs. Grace Sintim Adasi
GOVERNMENT NOMINEE



Dr. Mohammed Mustapha Seidu
REP., GHANA TERTIARY EDU. COM (GTEC)



Prof. Francis Kweku Amagloh
REP., CONVOCACTION (PROFESSORIAL)



Dr. Sanatu Mustapha Alidu
REP., CONVOCACTION (NON- PROFESSORIAL)



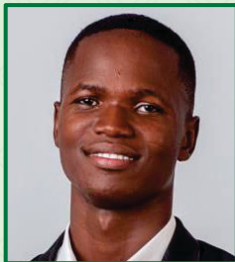
Dr. Felix Y. T. Longi
REP., UTAG



Prof. Terry Ansah
REP., ALUMNI ASSOCIATION



Mr. Sulemana Abdul-Rahman
REP., TEWU



Mr. Musah Abdul Mugis
REP., SRC



Mr. Alhassan Issah Dokurugu
REP., CHASS



Mr. Ibn Yameen Lukman
REP., GRASAG

In Attendance



Ing. Prof. Felix K. Abagale
Pro - Vice - Chancellor



Mr. Nurudeen I. Abubakar
Registrar/Secretary



Dr. Mohammed H. Shaibu
Director of Finance



Ing. Samuel Abiko
Director, Directorate of Works
and Physical Development



Mr. Chris Tampah-Naah
Deputy Registrar/Recorder

Contact Information

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Central Administration

21 Administrative Offices

Administrative Offices

- Office of the Vice-Chancellor
- Office of the Registrar
- Governing Council Secretariat
- Academic and Students' Affairs Department
- University Relations Section
- General Administration
- Human Resources Department
- Welfare Unit
- Accra Office
- University Library
- Procurement Directorate
- Internal Audit Directorate
- Finance Directorate
- Works and Physical Development Directorate
- Directorate of Academic Planning and Quality Assurance (DAPQA)
- Directorate of International Relations and Advancement (DIRA)
- Office of the Dean of Students' Affairs
- Directorate of Information Communication and Technology (DICT)
- Directorate of University Health Services
- Sports Directorate
- Directorate of Community Relations and Outreach Programmes (DCROP)



OFFICE OF THE VICE-CHANCELLOR

The Office of the Vice-Chancellor includes the Secretariat of the Vice-Chancellor and the Pro-Vice-Chancellor. The activities of the office for the period under review was restricted by the COVID-19 pandemic. That notwithstanding, the Office was able to carry out a number of activities.

Staff

Name	Qualification	Rank/Position
<i>Al-hassan, S.</i>	<i>B.A, Dip.Ed (UCC, Cape Coast, Gh), M.Phil , Ph.D (Ghana)</i>	<i>Vice-Chancellor</i>
<i>Abagale, F. K.</i>	<i>B.Sc. (UDS, Tamale, Gh), M.Sc., Ph.D. (KNUST, Kumasi, Gh)</i>	<i>Pro-Vice-Chancellor</i>
<i>Boye, K. M. E</i>	<i>B.A , M.Phil, (Ghana), ChPA, CMC(CIAMC, Ghana)</i>	<i>Snr. Assistant Registrar</i>
<i>Tiika, J. B.</i>	<i>B.A. (UDS, Tamale, Gh), M.PM (UESTC, Chengdu China)</i>	<i>Jnr. Assistant Registrar</i>

Activities, Meetings and Interactions

- *August 5, 2021:* A Staff Durbar was held in the Muti-purpose Auditorium for Members of the Senoir and Junior Staff category.
- *October 20, 2021:* The Vice-Chancellor had an interactive meeting with a team from the Kofi Annan International Peacekeeping Training Centre on Educational Collaboration.
- *October 21, 2021:* The Vice-Chancellor delivered a Matriculation speech to the Graduate Sandwich Students.
- *October 27, 2021:* The Vice-Chancellor met with Student's Representative Council (SRC) President and the National Union of Ghana Students (NUGS) President in his Office to discuss issues that led to student leaders granting interviews to media houses.
- *October 28, 2021:* The Vice-Chancellor Chaired the Business Innovation and Incubation Centre Awards held in the Andani Chamber at the Central Administration Block.
- *November 2, 2021:* A Leadership Training for Dean's and Directors was held in the Andani Chamber.
- *November 3, 2021:* A Leadership Training for Council Members was held in the Andani Chamber.
- *November 6, 2021:* A speech was delivered by the Vice-Chancellor on 22nd Congregation of undergraduate and graduate students held in the Multipurpose Auditorium.
- *November 8, 2021:* The Vice-Chancellor's Office hosted a team from the Spanish University Complutense who came in to support the University in the fight against COVID-19 by donating COVID-19 test kits.
- *November 8, 2021:* The Vice-Chancellor's Office hosted a delegation from Academic Model Providing Access to Healthcare (AMPATH) Ghana/NYU, Navrongo Health

Research Centre (NHRC) Mount Sinai and the School of Medicine to collaborate in Teaching, Research and exchange of |Staff.

- *November 15, 2021:* A delegation from the National Investment Bank Limited (NIB), Tamale branch accompanied by the Director, BIIC paid a courtesy call on the Vice-Chancellor and made a presentation.
- *November 15, 2021:* Executives of Senior Staff Association, Universities of Ghana ((SSA-UoG) local met the Vice-chancellor in his office to present concerns of its members.
- *December 1, 2021:* The *First Annual Graduate School Conference* was held.
- *January 28, 2022:* The Vice-Chancellor held a meeting with Top International Engineering (Ghana) Limited to discuss the possibility of developing the infrastructure of the North Campus at Gbanyamni.
- *January 28, 2022:* The Vice-Chancellor *Chaired* an Inaugural Lecture delivered by Prof. George Nyarko.
- *February 15, 2022:* The Vice-Chancellor paid a working visit to the overlord of Dagbon Kindom Yaa Naa on a pending land compensation issue and further submission of relevant documents to the overlord.
- *March 17, 2022:* The *new* members of the Audit Committee were inaugurated.
- *March 21, 2022:* A Team from the West African Centre for Water, Irrigation and Sustainable Agriculture (WACWISA) paid a courtesy call on the Vice-Chancellor.
- *April, 2022:* A delegation led by the Coordinator, Prof. Daouda Mama of the National Water Institute of the University of Abomey Calavi (C2EA-INE) in Benin paid a courtesy call on the Vice-Chancellor on a two-day working visit to the West African Centre for Water, Irrigation and Sustainable Agriculture (WACWISA), University for Development Studies.
- *April 30, 2022:* The Vice-Chancellor delivered a speech at the April/Special Congregation Ceremony, held at the Multi-Purpose Auditorium, Tamale Campus.
- *May 25, 2022:* A number of Vice-Chancellors from Universities in Kenya paid a courtesy call on the Vice-Chancellor, UDS.
- *May 25, 2022:* The Principal and the Examination Coordinator of Margaret Marquart Catholic Nurses Training College in Kpando on a day familiarization visit to UDS paid a courtesy call on the Vice-Chancellor.
- *June 22, 2022:* McDAN paid a courtesy call on the Vice-Chancellor as part of an invitation by the SRC 2021/2022 Week Celebration on the theme: Impacting Youth Development through Entrepreneurship.
- *June 22, 2022:* The Leadership of (WAGRINNOVA) as part of their End of Project Meeting in Tamale paid a courtesy call on the Vice-Chancellor to brief him on the Research Project in Co-innovations across scales to enhance sustainable intensification, resilience and Food and Nutritional Security in Water-Managed Agricultural Systems in West Africa.

- *July 29, 2022:* The Vice-Chancellor delivered a Keynote Address at the 3rd Edition of the Vice-Chancellors Business Innovation Awards 2022 which happen to coincide with the 30th Anniversary of UDS.
- *August 19, 2022:* The Vice-Chancellor delivered a speech at a Matriculation Ceremony for Fresh Sandwich Postgraduate, Nursing and Midwifery Students at the Andani Andan Academic Board Chamber, Central Administration.

Memorandum of Understanding (M.O.U)

- *October 10, 2021:* UDS and Farm Radio International (FRI) signed an MoU to participate in a joint proposal writing and programme development.
- *January 17, 2022:* UDS and the National University of Equatorial Guinea (UNGE) signed an MoU to Collaborate in the training /research work of graduate (Ph.D.) candidates.
- *January 27, 2022:* UDS signed a Memorandum with the Association of Ghana Industries and Empretec Ghana Foundation to develop and link MSMEs in Northern Ghana with unique transformational development strategies.
- *February 18, 2022:* UDS and Kosmos Innovation Center Foundation LBG signed MoU to implement the KIC AgriTech Challenge (Classic and Pro) and Incubation modules.
- *February 28 2022:* UDS and PXL University of Applied Science and Arts, Belgium signed an MoU for the cooperation of staff for teaching curriculum development, services to the community and research.
- *March 14, 2022:* UDS and McMaster University Macleads jointly explored the development of students' mobility opportunities.
- *March 22, 2022:* UDS and Chartered Examiners of Criminology and Forensic Investigation Inc, USA.
- *April 14, 2022:* UDS and Solarinno Co. Ltd to establish collaboration on developing and commercializing the very low cost solar desalination technology which has been studied by Solarinno C., Ltd.
- *April 27 2022:* UDS, University de Parakou, West African Science Centre on Climate Change and adopted Land Use (WASCAL), Universitat Kassel (UK), George August University Gottingen Universitat Hohenheim (UniHo), Postdam Institute for Climate Impact Research. To promote mutual scientific research, exchange knowledge sharing, and teaching cooperation and to strengthen scientific capabilities of the West Africa and German partners.
- *May 27, 2022:* UDS, Moi University Kenya, JOOUST Kenya, Egerton Univeristy Kenya signed an MoU to strengthen academic programmes.
- *July 4, 2022:* The University for Development Studies signed a Memorandum of Understanding with West African Postgraduate College of Medical Laboratory Sciences (WAPCMLS) to collaborate in the training /research work of Post-graduate students (M.Phil and Ph.D).

- July 7, 2022: UDS and International Youth Fellowship (IYF) Republic of Korea signed an MoU to facilitate professional training and education to foster and nurture the youth who are the leaders of next generation.
- July 8, 2022: UDS and Konyang Cyber University signed MoU to promote global academic and human exchanges for the mutual development of the two institutions.

OFFICE OF THE REGISTRAR

The Office of the Registrar is responsible for the safe keeping of the University's assets and documents, also coordinates all administrative activities of the various sections. The Office comprises the Registrar's Secretariat, the Main Registry and the Postal Unit.

Staff

Name	Qualification	Rank/Position
Abubakar, N. I.	B.A., M.A (Ghana), CMC, (ChPA)	Registrar
Abdallah, Y.	B.A., MBA (Ghana)	Senior Assistant Registrar / Head, Main Registry
Tahiru A. A.	B. A (KNUST, Kumasi, Gh), Mphil(UDS, Tamale, Gh)	Jnr. Assistant Registrar

Other Staff

The Office of the Registrar has a total of twelve (12) staff; three (3) in the Registrar's Secretariat, two (2) in the Postal Unit, and seven (7) in the Main Registry. Out of the seven (7) staff in the Main Registry, one is on Study Leave.

Main Registry

The Main Registry's primary responsibility is to receive, dispatch and keep records of all correspondences on behalf of the Registrar. With a Data Based System, the Office is able to track all correspondences received and dispatched. It also serves as a point from which management decisions are communicated to staff of the University and other Stakeholders.

During the year under review, the Registry carried out the following activities:

- i. Processing of staff promotions documents for External Assessment
- ii. Preparing of staff documents for Internal Assessment for promotion to professorial ranks
- iii. Collaborating with the University Library to verify and conduct plagiarism test on articles published in Research Journals
- iv. Communicating with External Assessors for their consent to assess staff documents for promotion and reminding them of the submission of the assessment reports
- v. Processing of External Assessment Reports for the Human Resource Department to convene Appointments and Promotions Board Meeting to consider the assessment

reports of staff

- vi. Receiving and sorting out of Solicited and Unsolicited applications from applicants.
- vii. Providing guidance to applicants to complete the Online Jobs Application Form and
- viii. Monitoring of the UDS Recruitment Platform.

The Postal Unit

The Postal Unit of the Registry is responsible for the receipt and dispatch of all incoming and outgoing correspondences on behalf of the Registry. Depending on the nature of the correspondences received, they are dispatched to its recipients in the various sections of the University, and some are called to pick their letters at the Unit.

During the year under review, the Unit has collaborated effectively with Courier Service Providers, notably; DHL, EMS, FedEx and IAS Ghana to improve on mails delivery services. Letters sent by the DHL and EMS can now be tracked via the internet to ensure proper delivery.

There has been significant improvement in the activities of the Registry, as the challenge of managing the large numbers of unsolicited applications has reduced with the introduction Of the UDS Recruitment Platform by the ICT Directorate.

GOVERNING COUNCIL SECRETARIAT

The Secretariat of the Governing Council is responsible for the co-ordination of all affairs and activities of the Council and the Sub-Committees of Council. The Secretariat also undertakes special ancillary duties. Its staff comprises a Deputy Registrar, a Junior Assistant Registrar, a Chief Administrative Assistant and an Administrative Assistant.

Staff

Name	Qualification	Rank/Position
<i>Christopher, T-N.</i>	<i>M.A. (Ghana), B.A., Dip. Edu. (UCC, Cape Coast, Gh.)</i>	<i>Deputy Registrar</i>
<i>Abdul-Rahaman, A.</i>	<i>M.B.A. (KNUST, Kumasi, Gh.), B.A. (Ghana)</i>	<i>Jnr. Asst. Registrar</i>

Its activities for the year under review included:

- i. The servicing of Council meetings, with the Deputy Registrar serving as Recorder.
- ii. The servicing of Finance Committee meetings.
- iii. The servicing of Development Committee meetings.
- iv. The servicing of meetings of the Search Committee for the Appointment of a Vice-Chancellor, with the Deputy Registrar serving as Secretary.
- v. The co-ordination of activities and measures related to the organization of the 23rd Congregation.

- vi. The organisation of inspections of projects on the Campuses by the University Council.
- vii. Organisation of visits to, and courtesy calls on selected stakeholders by the University Council.

ACADEMIC AND STUDENTS' AFFAIRS DEPARTMENT

The Academic and Students' Affairs Department is a Department under the Office of the Registrar. The Department is therefore discharging its mandate and primarily performs its duties on behalf of the Registrar.

The Department currently comprises of the Office of the Head of Academic Affairs, the Records and International Students Unit, the Students Information and System Unit and the Examination and Certification Unit.

During the year under review, the Department undertook the following activities:

- Prepared adverts for admissions for the 2022/2023 academic year
- Facilitated the release online application forms for sale to both undergraduate and postgraduate applicants
- Received, sorted and processed 22,515 and 976 completed undergraduate and postgraduate admission application forms respectively
- Provided assistance to online admission applicants
- Liaised with the West Africa Examinations Council for the verification of results of applicants who applied for admission
- Attended to admission enquiries/queries
- In collaboration with the Admissions Committee, processed and admitted 19,251 undergraduates and 681 postgraduates which included second cohort and sandwich for postgraduates
- Implemented regulations and policies on admissions
- Printed certificates of successful graduates of both UDS and Affiliate institutions
- Responded to verification requests from Employers, Investigative Agencies, Academic Institutions
- Verified or certified academic documents such as transcripts, certificates
- Issued certificates to graduates
- Liaised with Campus Examination Officers and procured examination materials for the 2021/2022 academic year
- Drew up the academic calendar for the 2021/2022 academic year
- Coordinated and prepared graduands for graduation ceremonies in November 2021 and April 2022

- Processed students' deferments, resumption, attestation and introductory and English proficiency letters
- Communicated disciplinary decisions and actions to students
- Implemented recommendations on all examination's malpractice reports by particularly processing letters of withdrawal, repetitions and cancellation of papers to affected students
- Created students files and did filling of documents of students in their files
- Recorded and prepared minutes of Academic Board, Executive Committee, Academic Programmes and Admissions Committee meetings
- Provided technical support in the areas of student course registration challenges, production of transcripts, students' results, correction of students' names, date of births etc
- Provided and replaced students and staff ID cards

The Academic Affairs Department currently has eighteen (18) members of staff made up of five (5) senior members and thirteen (13) senior staff. Two (2) members of staff are currently on study leave.

Staff

Name	Qualification	Rank/Position
<i>Yahaya, W.</i>	<i>B.Ed. (UCC, Cape Coast, Gh), MPH. (KNUST, Kumasi, Gh), ChPA, CMC, (Accra, Gh)</i>	<i>Deputy Registrar/Head of Dept</i>
<i>Alhassan, I.</i>	<i>BA., (UDS, Tamale, Gh), MPhil., (UDS, Tamale, Gh),</i>	<i>Assistant Registrar/ Unit Head</i>
<i>Adomako, R.O.</i>	<i>B.Sc., M.Phil. (UDS, Tamale, Gh),</i>	<i>Jnr. Assistant Registrar/ Unit Head</i>
<i>Otoo S.N.A.</i>	<i>HND., (TP, Takoradi, Gh), BSc.,(GTUC, Accra, Gh), M.Sc.,(UEST, Chendu, China),</i>	<i>Assistant Programme Analyst/ Unit Head</i>
<i>Ibrahim, U.</i>	<i>BSc (UDS, Tamale, Gh), MSc. (KNUST, Kumasi, Gh),</i>	<i>Junior Assistant Registrar</i>

Major Activities

Meetings

When a decision is taken on the date for Academic Board meeting, it is the responsibility of the Academic and Students' Affairs Department to facilitate the organisation of the meeting. In this regard, the Academic Affairs did not only facilitate the organisation of three (3) regular meetings of the Academic Board but also recorded the minutes of the meetings during the year under review. The meetings were held on the following dates:

- 72nd regular meeting of the Academic Board held on September 29, 2021
- 73rd regular meeting held on March 16, 2022
- 74th regular meeting held on August 16, 2022

Executive Committee Meetings

The Academic Affairs also facilitated three (3) meetings of the Executive Committee. The meetings were held as follows:

- a. Emergency Executive Committee meeting held on October 14, 2021
- b. 32nd regular meeting held on December 10, 2021
- c. 33rd regular meeting held on February 3, 2022

Admissions Committee Meeting

The Admissions Committee meeting was held on October 14, 2021 to consider the admission of students for the 2021/2022 academic year. At that meeting, the cut off points for each programme was determined. Also, the number of students to be admitted into each programme was also decided. The decisions at the meeting granted the Academic Affairs Department the authority to commence the admission of students into various programmes. Therefore, six hundred and eighty-one (681) and seventeen thousand nine hundred and ninety-six (17,996) postgraduate and undergraduate fresh students respectively were admitted during the year under review.

Academic Programmes Committee (APC) Meeting

During the year under review, the APC held three (3) meetings which were all coordinated and organised by the Academic and Students' Affairs Department. The meetings were held on; September 28 and December 7, 2021. The third meeting was held on May 23, 2022. In all, sixteen (16) programmes were reviewed by the Committee.

Congregation

The Academic and Students' Affairs Department was instrumental in the organisation of two congregation ceremonies during the period under review. The 22nd Congregation was held on November 5, 2021 where seven thousand nine hundred and ninety-three (7,293) students were graduated.

The April Congregation was also held on 30th April, 2022 and witnessed the graduation of one hundred and forty-five (145) postgraduate and two hundred and eighty (280) undergraduate nursing and midwifery sandwich students respectively.

Publications:

Nasir Koranteng Asiedu, Deborah Kore Appiah & **Ishawu Alhassan (2022)**. Examination Pressure: Assessment of an Academic Library's Late-Night Service to Patrons, International Information & Library Review, 54:3, 255-265, DOI: 10.1080/10572317.2021.1993720

UNIVERSITY RELATIONS SECTION

The University Relations (UR) Section has the primary responsibility of projecting and sustaining the image/reputation of the University. The Section handles among other things, Publicity, Marketing and Events Management and Protocol activities of the University.

Staff

Name	Qualification	Rank/ Position
Mumen, A. H.	B.A. (Ghana.), M.Phil. (UEW, Winneba, Gh)	Snr. Asst. Registrar/ Head
Ayuba, I. A.	B.A. (Ghana.), M.Phil. (KNUST, Kumasi, Gh)	Asst. Registrar/Protocol
Isaac, E. D.	HND (TaTU, Tamale), B.Com. (UCC, Cape Coast, Gh) MPM (UESTC, Chengdu, China)	Jnr. Asst Registrar

The Section also has three (3) Administrative Assistants and several other Service Persons who crucially support in the day to day activities of the office.

Events Management:

During the period under review, the UR Section recorded an upsurge in its activities due to the lifting of the COVID-19 restrictions in Ghana. The Office in collaboration with other relevant outfits of the University successfully coordinated a number of events, programmes and activities. Prominent among them are:

- Investiture of Prof. Seidu Al-hassan as the 5th Vice-Chancellor of the University.
- Inauguration of 3 different academic staff into full professorial positions
- Organised series of Council and Sub-Council meetings
- Coordinated several visits to most of the paramount chiefs in Dabgan, Mamprugu, Nanum and Gonja kingdoms.

Marketing/Publicity/Media Relations Unit:

Being primarily responsible for establishing and maintaining contacts between the university and the general public, this outfit (UR) continued to create the required platform for media dialogue and media coverage of events and functions.

The Office placed quite a number of adverts in both print and electronic media and the university's website to inform the general public about academic programmes and events undertaken by UDS.

Internally, information was disseminated to the university community through circulars, flyers and diverse social media platforms.

Publications:

As part of its key responsibilities, the section continues to liaise with relevant bodies and offices to produce the Vice-Chancellor's Report, the News Letter and other related information materials for the university community and the general public.

Stakeholder Relations/Public Affairs:

The Section was instrumental in the management of stakeholder relations during the period under review. The Section effectively assisted management to maintain cordial relationship with key stakeholders such as governing council members, government agencies, students, Chiefs, Alumni and the general public through timely dissemination of information and consultative fora.

Protocol and Passages Unit:

The official travels of Principal Officers and Guests of the University both locally and internationally were arranged and coordinated by this outfit. It also facilitated correspondences between the University and its external stakeholders by ways of receiving and dispatching letters and parcels/packages through the UDS Accra Office.

Publications**Isaac E. D.**

Isaac E. D., Tang, Z., & Coffie, C. P. K. (2022). Usage Intention of e-Learning Systems in Ghanaian Tertiary Institutions: A Case Study of the University for Development Studies. *Sustainability*, 14(12), 7360.

GENERAL ADMINISTRATION

The Registry has several Departments, Sections and Units. The General Administration Department which is part of the Registry has a multiplicity of functions which encompasses every aspect of the University, be it cleaning/sanitation, security, transport and any other administrative related issue. Accordingly, the Heads of the Transport and Security Units report to the Registrar through the Head of General Administration. Also, all cleaners responsible for cleaning the environs of the offices, washrooms verandas and the compounds at the University are under the General Administration Department. The Department also works with service providers such as Insurance Companies, Banks, Sales and Business Companies, Insurance Brokers, Health Institutions and Corporate Bodies that desire to do business with the University.

Staff

Name	Qualification	Rank/Position
<i>Thompson, J. D.</i>	<i>Dip. Ed., B.A., M.Phil. (UCC, Cape Coast, Gh.)</i>	<i>Deputy Registrar/ Head, General Admin.</i>
<i>Gombila, E. A.</i>	<i>Cert "A" Post Sec. (Tamale, Gh), Dip. (UCEW, Winneba, Gh.), Post Dip., B.A., MA (KNUST, Kumasi, Gh)</i>	<i>Assistant Registrar</i>

Transport Unit

The Transport Unit has forty-eight (48) drivers with a breakdown as follows:

Central Administration	-	25
Nyankpala Campus	-	7
City Campus	-	5
Tamale Campus	-	11

During the period under review, the Transport Unit of the University took delivery of nine (9) brand new vehicles and distributed them among the Administrative Departments, Schools, Faculties, Directorates, and Centres. The Transport Unit was deeply involved in the Board of Survey's disposal of nineteen (19) unserviceable vehicles.

Security Unit

The Security Unit has One Hundred and Five (105) duty post spread across the Central Administration, Tamale Campus and the Nyankpala Campus. The other duty posts are located at the City Campus, GUSSS Hostel and the Accra Guest House. The staff strength of the Unit is two hundred and ten (210). Seventy four (74) of this number are security officers and the remaining one hundred and thirty six (136) are guards.

Cleaners

There are one hundred and twenty eight (128) cleaners and fourteen (14) conservancy labourers, at the Tamale Campus. The Central Administration has thirty-two (32) cleaners and five (5) conservancy labourers and the City Campus has eighteen (18) cleaners and two (2) conservancy labourers. At the Nyankpala Campus, there are 40 cleaners, 15 conservancy labourers and 18 labourers. By the Campus arrangement, these labourers are used as cleaners during the dry season, and converted to labourers during the rainy season to carry-out weeding activities.

Activities

The office had a working relationship with some Organizations/Institutions within the period under review.

- In January 2022, Data Bank was at the Tamale Campus of the University to introduce its investment products to students.
- In February 2022, GT Bank was at the Tamale Campus to issue E-zwich cards and also open bank accounts for UDS students who were interested in the bank's products.
- The Driver and Vehicle Licensing Authority (DVLA) came to the Campuses of the University to carry-out a two-day outreach service from Monday, February 7, 2022 to Tuesday, February 8, 2022. The services rendered included Driver's License Renewal, Driver's License Upgrading, and Driver's License Replacement. It also included Missing and Replacement of Driver's License, Driver's License acquisition and finally, Renewal of vehicle licenses for 4X4 and saloon vehicles
- In March 2022, GLICO LIFE got approval to carry out its customer service program one week in every month. This was to enable customers and prospects have access to the Insurance Company's services. In the same month, First Atlantic Bank also got approval from Management to set-up and issue e-zwich biometric smart cards and other digital products to students.
- From May 9 – 11, 2022, Fidelity Bank was at the frontage of the Library Block, Tamale Campus to introduce its personal banking products to students of UDS.
- On May 31, 2022, Premier Health Insurance was at the Tamale Campus to present its products to staff and clients of the University.
- In June 2022, the Public Utilities Regulatory Commission (PURC) in the Northern Region was at the Multipurpose Auditorium, Tamale Campus for the 2022-2027 major review public hearing. Earlier in May 2022, the Commission was granted approval to introduce its functions and also explain PURC's core mandate to staff and students.
- From June 13 – June 17, 2022, Phoenix Life Assurance Company Limited visited the Campuses of the University to formally introduce and educate staff on their attractive life insurance products. The products are (Farewell Journey PLAN, Child Educare PLAN, Pension PLAN, AND Group Term Life Insurance PLAN).
- In June 2022, MiLife Insurance Company Limited was at the Tamale Campus to present its insurance products (MiTribute PLAN, Mi Cash PLAN, MiKids PLAN, and MiLegacy PLAN) to staff of the University.
- The Head of General Administration represented the Registrar at the 3rd NORPREVSEC Dialogue at Modern City Hotel near NOBISCO SHS, Tamale held on February 16, 2022. The theme for the programme was "Violent Extremism and Political Instability in West Africa and its implications for Ghana".
- On July 6, 2022, the Head of General Administration represented the Registrar at the CalBank PLC Business Clinic 2022 at Modern City Hotel, Tamale. The event was to equip participants on the requisite knowledge on:
 - Adopting an eco-conscious business environment using energy-efficient and renewable resources that will accelerate the growth and ensure sustenance of businesses.

- Explore CALBank's Green Financing options available to customers.
- Explore the benefits and convenience of Ghana.Gov payment channel which is embedded on its digital solutions.
- On August 25, 2022, the Head of General Administration represented the Registrar at a public forum on the Right to Information (RTI) Law in Ghana. The event held at the Dr. Andani Andan Academic Chamber was organized by Ghana Developing Communities Association (GDCA) and STAR Ghana Foundation with support from Ghana Friends (GV) and CISU in Denmark. The topics discussed were:
 - Your Right to Access information and the Role of the Commission
 - The Role of Heads of Institutions in the Implementation of the RTI Act 989, and
 - The Implementation of the RTI Law since Its Passage In 2019

HUMAN RESOURCES DEPARTMENT

The Human Resources Department is a support Office under the Office of the Registrar. The primary responsibility of the Department includes the following activities:

- Administering conditions of service of staff
- Facilitates staff recruitment, selection and placement of staff, promotion, and transfer/reposting of staff;
- Maintains accurate and updated records of all staff;
- Provide general support services to all staff;
- Assessing certificates and other educational qualifications submitted by applicants and staff for appointments in the University.
- Liaise with other departments and units as far as staff issues are concerned;
- Facilitates compensation, salary, retirements/death and other benefits administration in conjunction with the Directorate of Finance;
- Monthly validation of all staff in the University and
- Other duties assigned to the Department by Management.

Staff

Name	Qualification(s)	Rank
<i>Azuure, T. A.</i>	<i>B.A., MPA. (Ghana)</i>	<i>Snr. Asst. Registrar/Head of HR</i>
<i>Yussif, A.</i>	<i>BA., MBA (Ghana)</i>	<i>Assistant Registrar</i>

Activities of the Department is supported by one (1) Chief Administrative Assistants, three (3) Senior Administrative Assistants, three (3) Administrative Assistants, and two (2) Clerks Grade I.

Activities undertaken within the year

During the year under review, the Human Resource Department facilitated meetings of Appointments and Promotions Board/Committee for Senior Members, Senior Staff, and Junior Staff for appointments and promotions to various ranks in the University.

Appointments and Promotions

Senior Members Promotions

The Senior Members Appointments and Promotions Board recommended the appointment of fresh Senior Members (Teaching and Non-Teaching) and recommended the promotion of Senior Members (Teaching and Administrative/Professional class) to various grades. The table below contains the summary of the promotions.

Professors	Associate Professors	Senior lecturers	Administrative/Professional	Total
5	17	20	14	56

Fresh Appointments (Senior Members)

During the period under review, the Human Resource Department conducted interviews for shortlisted applicants (Teaching staff) into the various Schools/Faculties/Directorates. The Senior Members Appointments and Promotions Board met a number of times to interview candidates for selection into the various Schools and Faculties. A total of **one hundred and two (102)** teaching and non-teaching staff were appointed following the recommendation. Out this number, ninety-six (96) were teaching and six (6) non-teaching.

Also, during the 2021/2022 academic year, a total of **forty-four (44) Senior Staff** were also appointed to Senior Members (Teaching and Non-teaching).

Categories	Senior Members first appointments	Senior Staff to Senior Members	Total
Teaching	96	24	120
Non-Teaching	6	27	33

Fresh Appointments (Senior Staff)

During the same period, the Senior Staff Appointments and Promotions Committee recommended the appointment of a **one hundred and thirty-seven (137)** staff comprising, administrative/professional staff, Chief/Principal/Senior Research Assistants, ICT Assistants, Library Assistants, and other specialized areas were appointed.

Senior Staff Promotion

Regarding, Senior Staff promotions, seventy-six (76) were promoted to various ranks through the recommendations of the Senior Staff Appointments and Promotions Committee.

Fresh Appointments (Junior Staff)

The Junior Staff Appointments and Promotions Committee recommended and appointed one hundred and thirty-five (135) made up of Security Guards, Cleaners, Artisans, and so on.

Junior Staff Promotions

Regarding Junior staff promotions, a total of twenty (20) Junior Staff were interviewed and recommended for promotions.

Appointment of Headships

The HR Department also facilitated the appointments of internal headships to Schools/Faculties and non-Teaching staff for various responsibilities. These appointments include Deans, Directors, Deputy Directors, Vice-Deans, Heads of Departments, Senior Hall Tutors, Departmental Coordinators, Units Heads, DCROP Coordinators, Examination Coordinators, Quality Assurance Coordinators, and so on.

Retirements

During the 2021/2022 academic year, eleven (11) members of staff proceeded on retirement at the statutory age of sixty (60) years. This is made up seven Senior Members (7), two (2) Senior Staff, and teaching staff, and two (2) Junior Staff.

Summary of List of Retirees

Senior Members		Senior Staff	Junior Staff	Total
Teaching	Non-Teaching			
5	2	2	2	11

Resignations

During the year under review, fifteen (15) members of staff voluntary resigned from the services of the University.

Deaths

Eight (8) members of staff passed on into eternity during the 2021/2022 academic year. All the deceased were Junior Staff.

Human Resource Planning and Research Unit

The Human Resource Planning and Research Unit (HR-PaRU) is a Unit of the Human Resource Department of the University. The Unit serves as a university-wide data-hub. One of its core mandates is to manage the University's HR application system, by maintaining an up-to-date electronic record on staff. The Unit also monitors high educational performance indicators at the University against the standards approved for all tertiary institutions in

Ghana. Furthermore, in collaboration with other relevant departments of the University, the Unit regularly processes and provides institutional data to external stakeholders, such as the Ghana Tertiary Education Commission (GTEC). The Unit also ensures that the University's operations, especially its staffing policies, conforms to the GTEC standards.

The Unit currently has a staff strength of three (3). One senior member and two senior staff

Staff

Name	Qualification	Rank/Position
<i>Alhassan, I.</i>	<i>HND, Cert Edu., BBA, MA. MPhil, (Gh), MBA (Switzerland) ChPA, CMC, FIPFM, FCILG, FPMP</i>	<i>Jnr. Assist. Registrar/Head</i>

Some Activities Undertaken by the Unit during the 2021/22 Academic Year

Digitization of Staff Record

During the year under review, the Unit collaborated with the ICT directorate to develop an HR system to digitize all personnel records. The role of the Unit in this initiative bothered on the provision of appropriate fields or columns that are relevant in the management and processing of staff data. "Specific" and actual "age" of each staff, their "retirement dates", "highest qualification", staff "employment type" and "category" are some of the relevant fields provided by the Unit to the ICT directorate for the successful development and deployment of this system. The system has been completed and it is now fully operational.

Development of an Automated Statistics Generator

During the reporting quarter, the Unit has developed an Automated Statistics Generator (ASG) enhancement using Microsoft Excel. This enhancement, which is the first of its kind and can automatically generate statistics of any kind when raw data are imputed into its data window, is expected to facilitate the work of the Unit and speed up data processing in the University. A special feature of the ASG is the fact that it makes it possible to generate the required statistics based on any given template. The enhancement has since been activated for use in the Unit.

Provision of Annual Institutional Data to Ghana Tertiary Education Commission

The Unit, in collaboration with relevant departments of the University, continue to process data in response to GTEC requisitions. The GTEC template entails the provision of information on the accreditation status of the University's academic programmes, students' enrolment by faculty/school, and by gender, the number of staff in teaching and non-teaching categories, library holdings, and the University's information systems and ICT holdings. Whilst the total number of staff in the GTEC's report was 2,084, that of students was 31,610.

Processing of Staff and Students' data for Congregation

The Unit also processes staff and students' data for reporting during Congregation. Staff data is categorized into teaching and non-teaching and their various ranks, while data on students are processed on Faculties/Schools basis.

Facilitated the Production of 2022 Graduation Book

The Unit, in collaboration with the Directorate of Academic Planning and Quality Assurance (DAPQA), University Relations and the Academic Affairs Section, generated statistics on staff and students for the preparation of the "Basic Facts, Statistics and List of Graduand" for the 22nd Congregation of the University.

Routine Activities

In carrying out its primary function, the Unit continued to provide data to feed the University's information systems and to facilitate the work of other departments, such as the budget office, DAPQA, the Academic Affairs' Section, etc. Data were also provided by the Unit to students and staff who needed data of all kinds on the University for scholarly and professional writing.

Publications:**Alhassan, I**

- Abdallah, Y., Bawah A. Kassim, & **Alhassan, I.** (2021). Assessment Of Policies of The University for Development Studies in Line with the Policies Recommended by the Ministry of Education for Public Tertiary Institutions in Ghana. A position paper (1-21).
- Abdallah, Y., & **Alhassan, I.** (2021). Estimating Job Satisfaction and Commitment Correlate of Senior Staff Members of the University for Development Studies, Tamale, Ghana. *European Journal of Human Resource*, 5(2), 19 - 32. <https://doi.org/10.47672/ejh.885>
- Mavis, A.-G., **Alhassan, I.**, Samuel, M. A., & Nyame, G. (2021). A Critical Review of The Five-Factor Model for Success of Internal Consultants Outlined by Christine Miller and Karthik Subbiah (2012). *Researchjournal's Journal of Management*, 9, 1-12

Training and Development Unit

T&D Unit is under the Human Resource Department of the University. The primary function of the Unit is to identify and provide the training needs of staff, to equip them with the requisite knowledge, skills, and abilities required for effective job performance that will enable the University to achieve academic and administrative excellence. The Unit enforces strict compliance with the rules and regulations governing all kinds of leave rights.

The Training and Development (T&D) Unit has a staff strength three (3) comprised of One (1) Senior Member and two (2) Senior Staff.

Staff

Name	Qualification	Rank/Position
<i>Alhassan, A. M</i>	<i>B.A. (Ghana), MBA (KNUST, Kumasi, Gh.)</i>	<i>Assistant Registrar/Head</i>

Processing of Annual Leave

The Unit received and processed staff leave based on a leave roster submitted by Heads of Department/Section/Unit. Among these include: the senior member leave, senior and junior staff leave. A total number of three hundred and eighty-seven (387) staff applied for their annual leave during the review period and were granted approval by the management.

Processing of Letters of Intent

During the review period, a total of forty-two (42) letters of intent applications were received and processed for the consideration by the Scholarship Committee. Out of the forty-two (42) applications, forty (40) applications of staff who qualified were approved for them to apply for admission in the 2022/2023 academic year, from any accredited academic institutions of their choice.

Granting of Amnesty to Staff

The Committee also recommended to the Academic Board to grant amnesty to staff pursuing various study programmes without approved study leave, as well as those who acquired new certificates.

Staff on Study Leave

The Unit during the review period, processed six (6) applications for study leave approved by the Scholarship Committee. These comprised of both teaching and non-teaching staff. The total number of staff on study leave currently is forty-six (46). The details are as follows:

Teaching Staff on Full-Time Study Leave	-	20
Teaching Staff on Part-Time Study Leave	-	14
Non-Teaching Staff on Full-Time Study Leave	-	7
Non-Teaching Staff on Part-Time Study Leave	-	5

Within the year, a total of eight (10) University staff made of teaching and non-teaching staff who are on further studies are expected to complete and report to work. Out of this number, one staff applied for one (1) year extension and was granted.

Training of Staff

During the period under review, the Unit organized training on Records Management for Senior Administrative Staff of the Schools on Tamale campus. The training was aimed at equipping the staff with the skills on how to maintain and provide easy access to records for future reference and timely decision making. The Unit also, in collaboration with Laboratory

for Interdisciplinary Statistical Analysis (LISA-UDS) organized a one-day workshop for members of the Ghana Association of University Administrator (GAUA, UDS). The training was carried out after the launch of UDS-LISA, to improve the statistical and research writing skills of GAUA members, to enable them publish articles for their promotion.

WELFARE UNIT

The Welfare Unit is an arm of the Human Resource Division. This division is under the Office of the Registrar. The main function of the Welfare Unit is to seek the well-being of all members of staff in the University Community. This is done by prioritizing the welfare needs of staff. In doing so, it enhances productivity among staff members, hence, promoting the corporate image and the reputation of the University. The Welfare Unit by mandate serves as the Secretary to the Statutory Welfare Services Board.

The Unit also coordinates the activities and operations of the University Staff Welfare Association. The Unit, therefore, serves as the Secretariat to the Staff Welfare Association and all sub-committees of the Association. The Welfare Association has the Board of Trustees, chaired by the Pro-Vice-Chancellor to advise on the smooth operations of the Association and the Management Team to foresee the daily operations of the Association.

The Unit has a staff strength of three (3): an Administrative Assistant and two Senior Members who undertake the day to day activities of the Unit with the support of the Campus Conveners.

Staff

Name	Qualification	Rank/Position
Ateng, M. A.	BA (UDS, Tamale Gh), M.Phil. (UCC, Cape Coast Gh), Ph.D. (University of Manitoba, Winnipeg, Canada)	Assist. Registrar/Head
Adimazoya, N. T.	B.SC. (KNUST, Kumasi, Gh), M.Phil. (UDS, Tamale, Gh).	Jnr Assist.Registrar

Activities

As mandated by the University, the Unit effectively and efficiently executed its roles within the period of reporting.

- The Unit attended to the welfare needs of staff of the University.
- The Unit served as the secretariat of the Welfare Services Committee and the UDS Staff Welfare Association.
- The Unit facilitated the payment of welfare packages and benefits to staff under the Staff Welfare Association.
- The Unit carried out activities assigned to it by the Management of the University.

During the year under review, two significant activities took place. The first was the organization of a staff socialization event on both the Nyankpala and Tamale Campuses in December 2021. The event brought together the staff of the University to interact and share experiences. The Welfare Unit also facilitated the procurement of a Staff Welfare Bus under the UDS Staff Welfare Association.

Publications

Journal Publications

Ateng, M. A. & Musah, A. A. (2022). The ECOWAS conflict prevention framework and the critical and emancipatory peacebuilding approach. *Critical African Studies*, 14(2), 181-198.

Ateng, M. A. & M. A. A. (forthcoming). Blood ritual: An indigenous approach to peacemaking among the Bimobas of Northern Ghana. *Conflict Resolution Quarterly*.

Action Memoranda

Wonnia, L.K., Alidu, A. I., & **Ateng, M. A.** (February 2022). *Front Desk Office (FDO) in contemporary university administration: A case for the establishment of FDO at the University for Development Studies*. Action Memorandum submitted to the Registrar, UDS.

Ateng, M. A., Ayombisah, G. A., & Wonnia, L. K. (March 2022). *Affordable healthcare, an imperative to a productive workforce. A case for the establishment of a comprehensive health insurance scheme for staff of UDS*. Action Memorandum submitted to the Registrar, UDS.

Ateng, M. A. (June 2022). *Operational guidelines for the UDS Staff Welfare Bus*. Submitted to the Chairman, Board of Trustees, UDS Staff Welfare Association.

ACCRA OFFICE

The UDS Accra Office acts as a miniature organ of the University, coordinating and providing broad-ranging services in Accra to advance the course of the University. The Office also provides similar services to the Simon Diedong Dombo University of Business and Integrated Development Studies (SDD-UBIDS) and CK Tadam University of Technology and Applied Sciences (CKT-UTAS), which were all created out of UDS in the latter part of 2019.

The functions of the Accra Office include but are not limited to the following:

- Help intensify the publicity drive of the University regarding its programmes, activities and services.
- Respond to public enquiries about programmes, activities and outreach services of the University.
- Facilitate protocol arrangements including travels, passports, visas and resident and work permits for staff and visiting guests of the University.

- Facilitate the clearing of goods from the port for the University.
- Represent the University at functions where necessary.
- Follow-up on issues of the University with appropriate Ministries, Departments and Agencies (MDAs).
- Assist in organizing events for the University as and when the need arises.
- Take oversight responsibilities of all properties and projects of the University in Accra.

Staffing

The staff strength of the Accra Office is twelve (12) headed by a Senior Assistant Registrar. It is composed of one (1) Chief Administrative Assistant, one (1) Principal Administrative Assistant, one (1) Senior Administrative Assistant, Two (2) Chief Drivers, Two (2) Cleaners and four (4) Campus Guard Grade II.

Staff

Name	Qualification	Rank/Position
<i>Ansa, M. A.</i>	<i>B.Sc. (Ghana), MA. (UEA, Norwich, UK)</i>	<i>Snr. Assistant Registrar/Head</i>

Major Activities Carried Out

Responding to Public Enquiry

The Accra Office responded to public enquiries about the activities of the University. Key among them were prospective candidates and parents who visited the office to seek information about the various programmes of the University, entry requirements and the admission process. Most of them were directed to the University's website -uds.edu.gh where all relevant information about the programmes being offered by the University and the admission process have been provided. Those with technical challenges in completing the online admissions forms were directed to either send their queries to the Academic Affairs Unit via academicaffairs@uds.edu.gh or contact the main landline on **0303-944335** for the needed assistance. Institutions and individuals requesting verification of certificates and transcripts were advised to contact the Academic Affairs Unit through the email address - verification@uds.edu.gh.

The period also witnessed a lot of past students trooping into the Office to find out the possibility of obtaining their transcripts and certificates from the Accra Office. The Office explained to them how the system works in getting certificates, etc., and linked them up to the Academic Affairs Unit which is solely responsible for keeping students' records and issuing certificates, transcripts, attestations and the like.

There was also a high number of people visiting the Office to find out about distance programmes ran by the University in Accra. So far, it is only the Doctor of Medical Laboratory Science that is being run by the University in Accra.

One herculean task of the Office is its ability to receive and process all letters and documents on behalf of the University to the Mail Section of the Central Administration in Tamale for onward distribution to the appropriate Units. In the same vein, the Office takes delivery of all letters from the Central Administration and dispatches them swiftly to the designated institutions and individuals.

Protocol Arrangement

The Accra Office collaborated with the University Relations and the Directorate of International Relations and Advancement to coordinate several protocol activities during the period under review. These activities included processing visas and other travelling documents, airport pick-ups and drop-offs, accommodation/hotel reservations, and renewing passports, and residence and work permits.

Some of the countries where protocol arrangements were facilitated for Senior Members and guests of the University were the Netherlands, Korea, Benin, Nigeria, Kenya, the United Kingdom, France, India, Spain, the United States of America, and Cuba.

Facilitation of Meetings/Visits

During the period under review, the Accra Office, working hand in hand with the University Relations Office and the Council Secretariat organized several meetings for the Council Members.

The Office facilitated all meetings held in the UDS Accra Guesthouse Conference Hall by the Search Committee for the New Vice Chancellor.

The Office also arranged meetings for the Vice Chancellor and other Principal Officers to discuss pertinent issues of the University, sign Memoranda of Understanding as well as solicit financial support from relevant institutions and embassies including the World Bank Ghana Office, Bank of Ghana, Registrar General's Office, Public Accounts Committee (PAC) of Parliament, Kosmos Innovation Centre, Public Procurement Authority-Ghana, Controller and Accountant General's Department, German Cooperation Development, Embassy of France in Accra, Ghana, High Commission of Canada and the Embassy of Hungary, Accra.

Goods Cleared and Conveyed to Central Administration

Some of the goods cleared or received by the Accra Office during the period were as follows:

- PPES, assorted drugs, tissue papers, hand sanitisers, face masks, gum boots, medical equipment, etc.
- Academic documents from the VCG Secretariat
- LED Bulbs received from the Ministry of Energy (6,600)

- GRIDOMIX GX200, 220, 240V, 50/60Hz – by International Foundation for Science
- Anatomage Table Convertible
- Poultry Plucker Machine

Follow-Ups with Appropriate Ministries, Departments and Agencies

One of the major roles of the Accra Office is to follow up on issues of the University with the appropriate Ministries, Departments and Agencies (MDAs) including relevant institutions such as the Presidency, Ministry of Finance, Ministry of Education, Ministry of Health, Ministry of Foreign Affairs and Regional Integration, Ministry of Roads and Highways, Ministry of Communications, the Controller and Accountant General's Department, Ghana Health Service, Ghana Education Trust Fund (GETFund), Nurses & Midwifery Council, Medical & Dental Council, Ghana Tertiary Education Commission (GTEC), Vice-Chancellors Ghana Secretariat (VCG), the West African Examination Council (WAEC), the United Nations Development Programme (UNDP), Japan International Cooperation Agency (JICA), Lands Commission, Registrar General's Department, Tema Development Corporation (TDC), some High Commissions and Embassies in Accra and some Financial Institutions.

Project Supervision

In conjunction with the Works and Physical Directorate, the Accra Office paid regular visits to inspect the University's parcels of land situated at South Legon and Tema. Both properties are well secured, and with the support of Dr. Hakeem A. Wemah, a former Council Chairman, some prospective investors have expressed interest in partnering with the University to develop the plot at South Legon.

UDS Guesthouse-Accra

The UDS Accra Office has oversight responsibility over the activities of the UDS Accra Guesthouse. As part of accountability mechanisms put in place to ensure value for money at the Guesthouse, the Head of the Accra Office is the Principal Signatory to the Guesthouse Operational Account. In this position, he vets their requests before payments are made and offers advisory services to the Management of the Guesthouse when necessary.

The work of the Accra Office cuts across every aspect of the University, contributing its modest quota towards the realization of the University's overall goal. The staff will continue to work diligently and professionally for the total growth and development of the University.

UNIVERSITY LIBRARY

The UDS Library has a mission to develop and provide access to relevant and well-balanced information collection in all formats for use by students, faculties and the public, and to maximize the use of information for development and life-long learning. The UDS Library system comprises the Nyankpala, Tamale, City campus and TTH Libraries. All the core

activities of the Library are performed and coordinated by the main library located in Nyankpala.

Office of the Librarian

Staff

Name	Qualification	Rank/Position
Thompson, E. S.	Dip. Ed. B.A., (UCC, Cape Coast, Gh), P.G.D Lib., MPhil (Ghana).	University Librarian
Stephany A. Adongo	Dip., B. Ed (UEW, Ghana), M.A. (UCC, Ghana).	Assistant Registrar/ Head, Administration

Academic Staff

Name	Qualification	Rank/Position
Plockey, F. D. D.	Dip Lib., B.A, M.A. (Ghana), PhD (UDS, Tamale, Gh)	Senior Assistant Librarian
Appiah, D. K.	B.A. (UEW, Winneba, Gh), M.A., MPhil (Ghana)	Senior Assistant Librarian/ Head, Tamale Campus Library
Konlan, B.	Dip, BA, MA, MPhil (Ghana)	Assistant Librarian
Akeriwe, M. L.	Dip. Lib., B.A., (Accra), MIT, (UP, South Africa), PhD (Unisa, South Africa).	Assistant Librarian/ Head, Information Services Department
*Aikins, A. A.	B.Sc. (KNUST, Kumasi, Gh), MPhil. (UDS, Tamale, Gh)	Assistant Librarian
Bumbie-Chi, D. M.	B.A. (UDS, Tamale, Gh), M.A., MPhil (Ghana)	Assistant Librarian/ Head, Electronic Resources
Danso, E.	B.Sc., M.A. (Ghana), MSc. (Sikkim Manipal University, India)	Junior Assistant Librarian/ Head, Technical Services
Alua, M. A.	B.A. (Ghana), MPhil (UDS, Tamale, Gh)	Junior Assistant Librarian/ Head, Institutional Repository
Ofori, R. A.	B.A., (UDS, Tamale, Gh), M.A., MPhil (Ghana)	Junior Assistant Librarian/ Head, City campus Library
Mohammed, H.	H.N.D, (TaTU, Tamale, Gh) B.A., (UDS, Tamale, Gh), M.A., MPhil (Ghana)	Junior Assistant Librarian / Head, Reader Services

Major Events

Staffing

The University Library currently has a staff strength of eleven senior members, forty-eight senior staff and fifteen junior staff.

During the year under review, two members of staff successfully completed their academic programmes. Miriam Linda Akeriwe graduated with a PhD in Information Science from the University of South Africa. While Mr. Dauda graduated with an MPhil in Information Studies from the University of Ghana.

- **Visits**

The Library received a team from the West African Center for Water, Irrigation and Sustainable Agriculture (WACWISA) and the Network on Sustainable Water Resources Management (NET-WATER), who were conducting a study on “Improving digital resources for teaching and research” among African Centres of Excellence (ACE) within their network.

- **Activities**

The library organized a series of webinars on using the Turnitin Anti-Plagiarism software for academic and administrative staff of the University. Also, in-person seminars for graduate students were organized on using the library resources effectively, using Mendeley and using SPSS.

Capacity Building Training Workshop on the usage of E-Resources for Library Staff of Colleges of Education Affiliated to University for Development Studies.

- **Measures to Contain the COVID 19 Pandemic**

The Library still has available and well serviced veronica buckets which were provided since the beginning of the Covid-19 outbreak. These measures are to minimize the spread of Covid-19.

Publications

Ibrahim, A. K.

Ibrahim, A. K., Mohammed, H. & Bawa, S. (2021). Perception of graduate students on the use of the Institutional Repository of the University for Development Studies, Tamale, Ghana. *UDS International Journal of Development*, 7(2), 437–447. <https://doi.org/10.47740/500.UDSIJD6i>

Mohammed, H. & **Ibrahim, A. K.** (2021). Promoting the use of Library Services: Challenges and Prospects in Some Ghanaian Technical Universities. *Library Philosophy and Practice (Ejournal)*.

Mohammed, H.

Ibrahim, A. K., **Mohammed, H.** & Bawa, S. (2021). Perception of graduate students on the use of the Institutional Repository of the University for Development Studies, Tamale, Ghana. *UDS International Journal of Development*, 7(2), 437–447. <https://doi.org/10.47740/500.UDSIJD6i>

Mohammed, H. & **Ibrahim, A. K.** (2021). Promoting the use of Library Services: Challenges and Prospects in Some Ghanaian Technical Universities. *Library Philosophy and Practice (Ejournal)*.

PROCUREMENT DIRECTORATE

The Procurement Directorate has a total number of ten (10) staff of which five are senior members. The Procurement Directorate is responsible for coordinating all procurement activities of the University. The mission of the Procurement Directorate is to lead in

delivering on the University's set objectives by locating, developing, qualifying and employing suppliers/contractors of goods and services that add value to the University in terms of the acquisition of goods, works and services.

The objectives of the Directorate include:

- Promote the application of best procurement practices, ensuring transparency and accountability in all operations and consistency with the guidelines of the public procurement Act 2003, Act 663 and Amendment Act 2016, Act 914.
- Acquiring the University's inputs in a way that its long-term performance is not compromised and in an environmentally and ethically sound manner.
- Develop and prepare comprehensive procurement strategies and plans
- Achieve seamlessness in the coordination and preparation of specifications, terms of reference, tender documents and advertisements.

The Directorate also coordinates the processes of opening tenders and quotations, preparing of notification of awards of contract, contract documentation and contract management.

Staff

Name	Qualification	Rank/Position
Duke, A. F.	B.Sc. (Ghana), M.Sc. (Coventry, UK) MCIPS (UK)	Snr. Proc. Officer/ Director of Procurement
Safianu, M.	B.A. (UDS), M.Sc. (Volda Norway) MCIPS (UK)	Procurement Officer/ Head, Local Purchases Unit (L.P.U)
Braimah, A. B.	B.A. (UCC), MBA (KNUST, Ghana) MCIPS (UK)	Procurement Officer/ Head, Procurement Planning and Contract Management Unit (P.P.C.M.U)
Yenbil, C.	B.A., M.Com (UDS), M.A. (Ghana) GIPS (Ghana)	Asst. Procurement Officer
Mohammed, A.	B.A. (Ghana), M.Sc (KNUST, Gh.) MCIPS (UK), MCISCM (Gh.)	Asst. Procurement Officer

INTERNAL AUDIT DIRECTORATE

Staff

Name	Qualification	Rank/ Position
Azure, A.J.	MBA (Paris), ICAG, IIA GH	Director Internal Audit
Baba, H.	BSc. MBA (Ghana), ICAG	Deputy Director of Internal Audit/ Head of Audit, Tamale Campus
Abubakari, A.	B.A (UDS, Tamale, GH) MBA (UCC, Cape Coast, GH), FCCA (U.K), IIA GH	Deputy Director of Internal Audit/Head of Audit at Central Administration
Donpalla, D. S.	BSc. (UCC, Cape Coast GH) MBA (UK). PhD (UDS Tamale, GH) IIA GH, CCFA.	Senior Internal Auditor/ Head of Audit Nyankpala Campus
Parry, I.	MSc. (KNUST, Kumasi, GH) FCCA (UK)	Senior Internal Auditor. Head of Audit, City Campus.

<i>Dauda, A</i>	<i>B Com. (UCC, Cape Coast, GH) MBA (UPSA Accra, GH)</i>	<i>Internal Auditor/ Head of System Audit and Quality Assurance.</i>
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During the year under review, Selina Kwodaga (1617) who was a senior Audit Assistant at the UDS Accra office resigned in February 2022.

Mr. Baba Hananu and Mr. Abdulai Abubakari were promoted from Senior Internal Auditors to Deputy Directors of Internal Audit with effect from 1st January 2022. Dr. Stephen Delle Donpalla (PhD) was awarded doctorate degree by UDS.

The Director of Internal Audit Mr. John Akolgo Azure will retire at the end of the academic year, 31st August, 2022

FINANCE DIRECTORATE

The Finance Directorate is one of the key functional areas of the University, with the mandate of maintaining sound financial practices to ensure the integrity and safeguard of the University's resources. The Director of Finance heads the Directorate and reports directly to the Vice-Chancellor of the University. The Director assists the Vice-Chancellor to submit financial reports to the following committees of the University:

- Finance Committee
- Audit Committee
- Governing Council
- Academic Board 2021

The Finance Directorate of the University for Development Studies has the responsibility to ensure compliance with Part V (Section 25 and 26) of the University for Development Studies Act 1992 (Act 566) and other relevant laws such as:

- Public Financial Management Act 2016, (Act 921), Public Financial Management Regulation, 2019
- Financial Administration Regulation, 2004 (L.I 1802)
- Public Procurement Act, 2003 (Act 663), etc.

Departments/Sections and Units of the Finance Directorate

The Finance Directorate comprises of a Secretariat and six (6) Departments in the Central Administration and an office in each of the four Campuses of the University as well as the Graduate School, Faculty of Education and Institute for Distance and Continuing Education and Institute of Interdisciplinary Research, all in Tamale.

- The structure of the Directorate enables it to provide financial services in the following broad areas:

- Budgeting and Budgetary Control
- Payroll Administration
- Revenue Collection
- Treasury Management
- Disbursement of Funds
- Management of Financial and Contractual Relationships with Third Parties
- Financial Reporting and
- Other Financial Advisory Services.

Staff:

Name	Qualification	Rank/Position
<i>Shaibu, M. H.</i>	<i>B.Com. (UCC, Cape Coast, Gh), MBA., ICA. (Gh), PhD, UDS</i>	<i>Director of Finance</i>
<i>Iddrisu, A.</i>	<i>Dip. Ed., B.Com., MBA, FCCA</i>	<i>Deputy Director of Finance</i>

The Director of Finance is supported by 1 senior staff in the Secretariat.

Accounts Receivable

Name	Qualification	Rank/Position
<i>Iddrisu, M.</i>	<i>M. B.Com. (UCC, Cape Coast), ICA, (Gh), CEMBA (KNUST, Kumasi, Gh)</i>	<i>Senior Accountant</i>

There are 5 Senior Staff in the Accounts Receivable Department.

Final Accounts Senior

Name	Qualification	Rank/Position
<i>Wemah, S.</i>	<i>FCCA, ICA (Gh), MID, M.A.</i>	<i>Senior Accountant</i>

Budget & Management Accounting Department

Name	Qualification	Rank/Position
<i>Mahamoud, S.</i>	<i>B.A. (UDS, Tamale, Gh), MBA, (UCC, Cape Coast, Gh) ACCA.</i>	<i>Senior Accountant</i>

There are 5 senior staff at the Budget & Management Accounting Department.

Treasury and Accounts Payable

Name	Qualification	Rank/Position
<i>Amoro, A.</i>	<i>B.A, PG Dip., MBA, ACCA (P/Qual.)</i>	<i>Accountant</i>

The Treasurer is supported by 5 senior staff.

Payroll

Name	Qualification	Rank/Position
<i>Fuseini, M.</i>	<i>B.Com (UCC, Cape Coast, Gh), ICA (Gh), CEMBA (KNUST, Kumasi, Gh)</i>	<i>Senior Accountant</i>

The Head of Payroll is supported by 6 senior staff.

Ghana Universities Staff Superannuation Scheme (GUSSS)

Name	Qualification	Rank/Position
<i>Ayombisah, G. A.</i>	<i>B.Com. (UCC, Cape Coast, Gh), ICA (Gh), M.A. (UDS, Tamale, Gh)</i>	<i>Accountant</i>

There are 2 senior staff and one senior member at the GUSSS.

Stores (Central Administration)

Name	Qualification	Rank/Position
<i>Aliu, A.</i>	<i>HND., B.Com., M.Phil.(Ghana) ICA (Gh)</i>	<i>Accountant</i>

There are 4 senior staff at the Stores.

Nyankpala Campus

Name	Qualification	Rank/Position
<i>Acheampong, O. F.</i>	<i>ACCA. (UK), MBA.</i>	<i>Senior Accountant</i>

There are 6 senior staff in the Finance Department at the Nyankpala Campus.

Tamale Campus

Name	Qualification	Rank/Position
<i>Asare-larbi, F.</i>	<i>B.Sc., M.Phil., ACCA.</i>	<i>Senior Accountant</i>
<i>Dabuo, Y. E.</i>	<i>B.Com. (UCC, Cape Coast, Gh), M.Com. (UDS, Tamale, Gh) ICA (Gh)</i>	<i>Accountant</i>
<i>Yakubu, I. S.</i>	<i>HND, B.Com., MBA, ICA (Gh)</i>	<i>Accountant</i>

There are 7 senior and jstaff in the Finance Department at the Tamale Campus.

City Campus

Name	Qualification	Rank/Position
<i>Dodoo, M.</i>	<i>B.Sc., MBA, ICA (Gh)</i>	<i>Senior Accountant</i>

There are 6 senior and junior staff in the Finance Department at the City Campus

Systems Administration & Software Deployment Unit

There is 4 Senior Staff who manages this Unit.

UDS Guest House, Tamale

There is one (1) Senior Member in this Unit.

UDS Clinics (Tamale and Nyankpala)

Name	Qualification	Rank/Position
<i>Akolor, M.</i>	<i>HND, M. Com., ICA (Gh)</i>	<i>Accountant</i>
<i>Kanton, Z.</i>	<i>M. Com., ICA (Gh)</i>	<i>Asst. Accountant</i>

There are 4 senior staff in the Finance Department at the UDS Clinics

Key Activities during the Year:

Computerization and Software Deployment: Together with Registry and the ICT Directorate, the Finance Directorate continued its efforts to improve student financial and academic record collection and maintenance.

Staff Development: A number of staff of the Directorate attended workshops and conference (local and foreign) to improve their knowledge and skills on the job, whilst some are pursuing further studies in various institutions.

Financial Reports During the year under review, the Directorate continued to discharge its function of providing relevant financial information to the University and other stakeholders. In this regard, the Directorate presented its regular quarterly management reports to the Finance Committee as well as to the Governing Council and also presented.

The establishment of the Fixed Assets Coordinating Unit (FACU). The Directorate has recorded One new PhD and two new chartered accountants

WORKS AND PHYSICAL DEVELOPMENT DIRECTORATE

The Works and Physical Development Directorate is an integral part of the University for Development Studies providing technical services for physical planning and development. It is also responsible for works and maintenance of the physical infrastructure, grounds and gardens. It provides other services such as telecommunication, and water supply.

Office of the Director

The office coordinates and directs the functions of the various departments under the directorate. The office has the under listed staff:

Staff

Name	Qualification(s)	Rank/Position
<i>Abiko B. S.</i>	<i>B. Eng., (Hons) (London), M.Sc (London), MBA (London) MCIBSE (UK), CEng (UK), MIET (UK), MGHIE</i>	<i>Director</i>

Works and Maintenance Department

The Department is responsible for general works and maintenance of existing buildings and civil engineering structures and facilities as well as electrical and mechanical equipment and installations. The department has the under listed officers:

Staff

Name	Qualification(s)	Rank/Position
<i>Addy A. N. A.</i>	<i>B. Sc., (Kumasi) PGDip (Kumasi)</i>	<i>Assist. Architect</i>
<i>Mohammed B. M.</i>	<i>B. Sc., (Kumasi), Msc (Kumasi)</i>	<i>Assist. Const. Mgr.</i>

In the year under review, the directorate undertook the following:

1. Supervised the construction of the Principal Officers boundary wall at the Tamale Campus
2. Supervised the renovation of Great Hall at the Nyankpala Campus.
3. Carried out general service of all generators on Campuses.
4. Carried out maintenance and services of all air conditioning systems.
5. Collaborated with Physical Planning and Development Department in design and supervision of all structural, electrical and mechanical engineering systems.
6. Carried out various maintenance in staff bungalows and School/Faculty Facilities.
7. Coordinated road works on all Campuses with the Department of Urban Roads, Feeder Roads and the Ministry of Roads and Highways.
7. Supervised the completion of 2- storey flats for Clinical Level Students at TTH.
9. Supervised repair works on 1 No. Principal Officers' Bungalow – type 2 at the Tamale Campus.
10. Prepared estimates for 4-storey Student Hostel (Jeddah Hall at the Nyankpala Campus.

Physical Planning and Development Department

The department in collaboration with other departments in WPD is responsible for the Physical planning, design, preparation of bills of quantities, costing and works supervision of new constructional works of the University. The Department has the following officers:

Staff

Name	Qualification (s)	Rank/Position
<i>Baba-Duah, J</i>	<i>B.Sc., PGDip (Kumasi), MSc. (Coventry) AGIA</i>	<i>Senior Architect</i>

The Department undertook the following:

1. Design and supervision of the Construction of 2-Storey flats for Clinical Students at the Tamale Teaching Hospital (TTH).
2. Design and supervision of the construction of a 3-Storey GUSSS Commercial building at the Tamale Campus.
3. Supervision of the Construction of 3-Storey Library Complex at the Navrongo Campus.
4. Supervision of the construction of 4-Storey Laboratory Complex at the Navrongo Campus
5. Supervision of the construction of 3No. 4-Storey Lecture Block and Offices at the Nyankpala Campus.
6. Design and supervision of 3-storey (4-Floors) lecture/office complex at the Nyankpala Campus.
7. Supervision of the expansion of Accra Quest House.

8. Design and supervision of 4-Storey Medical School Block at the Tamale Campus.
9. Supervision of a 4-storey Lecture Hall/Office Block at the Tamale Teaching Hospital (TTH) for Clinical Students.

Civil Engineering Department

The department in collaboration with other departments in the WPD and other allied state institutions provides civil/structural engineering designs and solutions for the University. The department has the following Officers:

Staff

Name	Qualification (s)	Rank/Position
<i>Debrah D. K.</i>	<i>B.Sc (Kumasi), MSc. (Edinburgh) CEMBA (Kumasi), MGHIE</i>	<i>Senior Engineer (Civil)</i>
<i>Yampohekyia S.</i>	<i>B.Sc. (Kumasi), MSc. (Kumasi) MGHIE, PMP CEMPA (Kumasi),</i>	<i>Engineer (Civil)</i>

The Department undertook:

1. Structural design and supervision for the construction of 3- storey West African Centre for Water, Irrigation and Sustainable Agriculture (WACWISA) at the Nyankpala Campus.
2. Design and supervision of 3- storey (Four floors) Lecture/Office Complex at the Nyankpala Campus.
3. Structural design and supervision for the construction of 6- storey School of Nursing and Midwifery complex at the Tamale Campus.
4. Structural design and supervision for the construction of 6- storey Institute of Distance Learning (IDL) complex at the City Campus of UDS.
5. Collaborated with the department of Urban Roads for the supervision of the internal roads on the Nyankpala Campus.
6. Collaborated with the department of Urban Roads in preparation proposals for asphaltic for the overlay of the Tamale Campus roads.

Grounds and Gardens Department

The Grounds and Gardens Department is responsible for the maintenance of lawns, parks, gardens, planting of ornamentals and preparation of grounds for official functions.

Staff on the Campuses

Name	Qualification(s)	Rank/Positions
<i>Obed Kwasi Owusu</i>	<i>B.Tech (Sunyani) PG Cert. (Kum.) MSc. (Coventry)</i>	<i>Quantity Surveyor</i>
<i>Gyaedu</i>	<i>MIET MGIOC, MGHIS</i>	<i>Nyankpala Campus</i>

Quantity Surveying Department

The department is responsible for the preparation of cost analysis based on the architectural drawings, engineering estimates, materials required and labour involved, assisting in budget allocation for Projects, monitoring and keeping track of the financial progress of projects by carrying out measurements and the valuation of variations and preparation of contracts document.

Staff

Name	Qualification(s)	Rank/Position
<i>Awuni M. A</i>	<i>B.Sc., (KNUST, Kumasi, Gh), MSc. (KNUST, Kumasi, Gh) MGhIS</i>	<i>Senior Quantity Surveyor</i>
<i>Saaka J. G.</i>	<i>BSc. (KNUST, Kumasi, Gh) MGhIS</i>	<i>Quantity Surveyor</i>

The Department undertook the following:

1. Prepared tender and contract documents for the Construction of 3-Storey West African Centre for Water, Irrigation and Sustainable Agriculture (WACWISA) at the Nyankpala Campus of the University for Development Studies.
2. Prepared tender and contract documents for the Construction of Fence wall for the University for Development Studies.
3. Prepared tender and contract documents for the Construction of Football Field at the Nyankpala Campus of the University for Development Studies.
4. Prepared Budget Estimates for the Development of the Yendi Campus
5. Prepared material schedule for various renovation works in the University.
6. Prepared Interim Payment Certificates for various construction projects.

Estates Department

The Department is responsible for the acquisition and management of the University's landed properties allocation and management of office accommodation, furnishing of offices and management of office inventory. It is also responsible for ensuring a favourable accommodation of entitled staff and the valuation of landed properties among others. The department has the following staff:

Staff

Name	Qualification(s)	Rank/Position
<i>Akibu A.</i>	<i>BSc. (KNUST, Kumasi, Gh), LL.M, PhD (Aberdeen), MGhIS.</i>	<i>Senior Estates Officer</i>
<i>Nyamalor S.</i>	<i>BSc., CEMBA (KNUST, Kumasi, Gh) MGhIS</i>	<i>Assist. Est. Officer</i>

Consultancy Services

The Directorate acts as consultants to most of the projects of the University, with assistance from other allied private consultants. The consultancy designs and supervises most of the University's infrastructure by using professionals in the Directorate.

The prime aim of this consultancy is to build capacity and enhance the performance of professionals in an academic environment. It also generates income that is used to acquire working tools and vehicles for use of the Directorate.

DIRECTORATE OF ACADEMIC PLANNING AND QUALITY ASSURANCE

The Directorate of Academic Planning and Quality Assurance (DAPQA) is a Directorate under the Office of the Vice-Chancellor. The Directorate has several functions but the most important function is to ensure that quality assurance permeate all facets of the operations of the University. The ultimate goal of the Directorate is to safeguard quality academic standards, and to ensure improved institutional and academic programmes of the University. The Directorate is additionally responsible for coordinating and processing of affiliation related matters in the University.

Staff

Name	Qualification	Rank/Position
Ziblim, S-D.	BA (UDS, Tamale, Gh), MPhil., Ph.D. (Ghana)	Associate Prof./Director
Yakubu, R. N.	B.Sc. (KNUST, Kumasi, Gh), M.Sc. (Stuttgart, Germany), MGIP	Junior Assistant Registrar

There are also three (3) Senior Staff in the Directorate.

Activities

- i. *Vetting of Curricula for Approval and (Re)accreditation by Ghana Tertiary Education Commission (GTEC)*

The Directorate has processed both existing and new academic programmes that required approval and (re)accreditation by the GTEC during the year. These programmes were both undergraduate and postgraduate from the various Faculties/Schools of the University. The documents were vetted in accordance with GTEC Guidelines on the mounting of new academic programmes as well as GTEC questionnaires on the application for (re)accreditation of existing and new programmes. The essence of vetting the programme documents was to improve the speedy approval and (re)accreditation of the programmes by GTEC.

- ii. *Approval and (Re)accreditation of Programmes by GTEC*

The Ghana Tertiary Education Commission (GTEC) in the year under review has given administrative approval for the underlisted programmes:

1. BA History
2. BA Gender and Development
3. BA Journalism Studies
4. BSc Public Health Nursing
5. BSc Health Education and Promotion
6. BSc Biological Science
7. BSc Engineering Physics
8. BSc Mathematics
9. BSc Statistics
10. BSc Chemical Science and Technology
11. BSc Geological Engineering
12. BSc Computer Science
13. BSc Environmental Systems Engineering
14. BSc Land Administration
15. BSc. Food Systems
16. BSc Agricultural and Food Economics
17. Doctor of Veterinary Medicine
18. Master of Health Professions Education (MHPE)
19. MSc/MPhil/PhD Food Science and Technology
20. PhD Fisheries Science
21. PhD Sustainable Aquaculture
22. MPhil/PhD Clinical Sciences
23. MPhil/PhD Clinical Microbiology
24. MSc/M.Phil/PhD Economic Development Policy
25. MSc/MPhil PhD. Agroforestry and Dryland Conservation
26. MSc/MPhil/PhD Agribusiness

The following academic programme were **(re)accredited** during the year:

Faculty/School	Programme	Remarks
SAHS	BSc Dietetics	Accredited for three (3) years
	PhD Public Health Nutrition	Accredited for three (3) years
FoE	Postgraduate Diploma in Education	Re-accredited for five (5) years
	B.Ed Arabic Specialist Subject for JHS	Accredited for three (3) years
	MPhil Educational Measurement and Evaluation	Accredited for three (3) years
	MPhil Guidance and Counselling	Accredited for three (3) years
	M.Ed Educational Measurement and Evaluation	Accredited for three (3) years
	M.Ed Guidance and Counselling	Accredited for three (3) years

SoPH	MPH (Epidemiology and Biostatistics Option)	Re-accredited for five (5) years
	MPH (Public Health Informatics Option)	Re-accredited for five (5) years
	MPH (Global Health Option)	Re-accredited for five (5) years
	MPH (Health Policy and Management Option)	Re-accredited for five (5) years
SPPS	Doctor of Pharmacy	Accredited for three (3) years
FOAFCS	MSc Animal Science	Re-accredited for five (5) years
	MPhil. Animal Science	Re-accredited for five (5) years
	PhD Animal Science	Re-accredited for five (5) years

iii. Monitoring of Beginning of Lectures

The Directorate with the support of Faculty/School Quality Assurance Officers undertook the monitoring of the beginning of lectures for the First and Second Trimesters of the 2021/2022 Academic Year. This was carried out to ascertain whether lectures started on schedule or not vis-à-vis Academic Calendar of the University. The exercise was conducted simultaneously within the first three weeks in each teaching Trimester in the Tamale and Nyankpala Campuses.

iv. Monitoring of Examinations

The integrity of examinations is an important aspect of every higher education institution and the UDS is no exception. For this reason, the Directorate, during the 2021/2022 Academic Year, visited both the Tamale and Nyankpala Campuses to monitor the conduct of examinations. The First Trimester and Second Trimester monitoring were done for continuing and fresh students in line with the Academic Calendar of the University.

v. Vetting of Students' Results for the First Trimester of 2021/2022 Academic Year

The Directorate organized a two-day vetting exercise of results for the First Trimester of 2021/2022 Academic Year on 19th and 20th July, 2022. The results were vetted across Faculties/Schools of the University. The exercise which was re-introduced is to ensure that all results required to be uploaded onto the University Campus Manager (UCM) are done and to use the exercise as means to identify courses whose grades raises doubt for script inspection.

vi. Quality Assurance Audit

The Directorate through the support of some Senior Members conducted an academic audit of the Faculties, Schools and Institutes of the University in the period under review. The staff for the exercise were from the Directorate, Audit and Faculties/Schools. The exercise involved audit of marked scripts, exams attendance sheets and other related documents during the 2020/2021 Academic Year. The report of the exercise was submitted to the Management for study and necessary action.

vii. Quality Assurances Visits

The Directorate paid a day working visit each to the Al-Faraq College of Education, Wenchi and Wenchi Distance Learning Centre of the Institute of Distance and Continuing Learning in the Bono Region on 8th April, 2022 and 9th April, 2022 respectively. The aim of the visit to Al-Faraq College of Education, Wenchi was to monitor ongoing End of Semester Examinations in the College as one of the Affiliated Colleges of the University while that of the Wenchi Distance Learning Centre was to monitor ongoing End of Trimester Examinations in the Centre and also to have first-hand information about the Centre.

viii. Quality Assurance Workshops

The Directorate through the support of the Management of the University organized a two-day orientation/training for newly appointed teaching staff. The aim of the training was to equip participants with the desired skills and competencies necessary in the effective discharge of their duties and also create a platform for information and experiences sharing. The two-day workshop took place at the Dr. Andan Andani Chamber on 26th and 27th April, 2022 at the Tamale Campus. A total of eighty-eight (88) out of ninety-six (96) expected newly appointed teaching staff took part in the orientation workshop.

ix. Participation in Meetings and Conferences

The Director of Academic Planning and Quality Assurance attended a day Stakeholders' Meeting organised by GTEC on 21st April, 2022 at Tertiary Education Complex Conference Centre, Accra. The Stakeholders' Meeting deliberated on minimum requirements for admission, student's workload, growth rate in terms of fee-paying students, quota for international students, science humanities ratio, etc; student-teacher ratio, teaching qualifications at tertiary institutions, academic pyramid (various ranks of teaching staff), determination of cost per student, norms for resource allocation, library and information resources; physical facilities and student accommodation.

The Director also attended the National Teaching Council invitation to the Africa Federation of Teaching Regulatory 9th International Conference on Teacher Professionalism held on 30th May, 2022, at the Accra International Conference Centre. The theme for the Conference was on "Unpacking Teaching and Learning in Africa for Excellence".

The Director further attended the National Teaching Council invitation to the Africa Federation of Teaching Regulatory 9th International Conference on Teacher Professionalism held on 30th May, 2022, at the Accra International Conference Centre. The theme for the Conference was on "Unpacking Teaching and Learning in Africa for Excellence".

The Director attended a two-day High Level Policy Dialogue organized by Ghana Tertiary Education Commission (GTEC) on the development of Ghana's Open, Distance and E-learning Policies and Strategies as well as the Development of Ghana's Public Open University. The Policy Dialogue took place from 21st to 22nd June, 2022 at GTEC Conference Centre, Accra.

x. Presentation of Students Results for Special Congregation

The Directorate compiled the list of Graduating students for the April 2022 Annual Special Graduation of the University. The University graduated 145 gradaunds from the Graduate School while 280 Sandwich graduands graduated with BSc Nursing and BSc Midwifery programmes from the School of Nursing and Midwifery.

xi. Facilitation of Quality Assurance workshop

The Director facilitated a day's workshop on the topic: "Review of Quality Assurance Policies in Tertiary Institutions" on 12th August, 2022 at the Ganass Hotel, Bolgatanga. The workshop was under the "WaterEssence Project" of the West African Centre for Water, Irrigation and Sustainable Agriculture (WACWISA) of the University.

xii. Affiliation Issues

a. New Applications for Affiliation

The following institutions applied to the University for Affiliation:

1. Spiritan University College, Ejisu
2. Anglican University College of Technology

b. Assessment of Prospective Affiliate Institutions

The Directorate assessed the underlisted institutions for institutional and or programme affiliation:

1. Advance Global College, Tamale for institutional and programme affiliation to run Diploma in Medical Imaging on 16th March, 2022.
2. Fountainhead Christian College, Tema for programme affiliation to run BSc General Nursing on 20th June, 2022.
3. Holy Eucharist College of Health, Half Assini for institutional and programme affiliation to run BSc Nursing programme on 1st July, 2022.

c. *Vetting of Results of Affiliate Institutions for Graduation*

The Director and Junior Assistant Registrar visited the underlisted institutions and vetted their student's results for graduation:

1. Millar Institute for Transdisciplinary Development Studies
2. Technical University College, Ghana

3. College for Community and Organisational Development, Sunyani
4. Catholic University College of Ghana, Fiapre
5. Ghana Christian University College, Accra
6. Wisconsin International University College, Accra

d. *Matriculation and Graduation*

During the period, the Vice-Chancellor and/or Pro-Vice Chancellor led a team from the University to the matriculation and graduation ceremonies of the affiliate institutions tabulated below:

S/No.	Name of Affiliate Institution	Ceremony	Date
1.	Regentfoten College of applied Sciences, Kansoe-Bongo	Matriculation and Graduation	November 20, 2021
2.	Wisconsin International University College, Accra	Graduation	November 27, 2021
3.	Knutsford University College, Accra	Graduation	November 27, 2021
4.	Data Link Institute of Science and Technology, Tema	Graduation	January 20, 2022
5.	College for Community and Organisational Development, Sunyani	Matriculation and Graduation	February 12, 2022
6.	Family Health University College, Accra	Matriculation	March 17, 2022
7.	Withrow College, Agona	Matriculation and Graduation	March 19, 2022
8.	Methodist Health Training Institute (formerly of Afosu Nursing and Midwifery Training College), Afosu	Graduation	March 22, 2022
9.	Ghana Christian University College, Accra	Matriculation and Graduation	April 2, 2022
10.	Catholic University College of Ghana, Fiapre	Matriculation and Graduation	April 9, 2022
11.	Millar Institute for Transdisciplinary Development Studies, Bolgatanga	Matriculation and Graduation	June 18, 2022

e. *Approval of Request for Affiliation*

The University approved the request of the underlisted institutions for Affiliation to run specific programmes:

1. Nurses' and Midwives' Training College, Tamale to run BSc Nursing programme
2. Royal Ann College of Health, Kumasi to now run BSc Nursing and BSc Midwifery instead of the Diploma in the programme. The College was additionally given the opportunity to run BSc Medical Laboratory Science programme.

f. Facilitation of Quality Assurance workshops in Affiliate Institutions

The Director facilitated a two-day workshop at the College for Community and Organisational Development on “Quality Assurance at Tertiary Education” on 25th and 26th May, 2022. He also facilitated a similar workshop at the Technical University College, Ghana, Tamale on 21st and 22nd July, 2022.

g. Abrogation of Affiliation

The University has officially abrogated its affiliation with the Methodist Health Training Institute (formerly of Afosu Nursing and Midwifery Training College), Afosu in the new Abirem District of the Eastern Region effective 1st April, 2022.

DIRECTORATE OF INTERNATIONAL RELATIONS AND ADVANCEMENT (DIRA)

The Directorate is in charge of linking UDS to other academic institutions around the world by strengthening international relations and fostering international co-operations and advancement. The Directorate among other things, is responsible for:

- Establishing linkages and collaboration between UDS and institutions, agencies and Organization within and outside Ghana.
- Coordinating students and faculty exchange programmes with collaborating institutions.
- Ensuring the advancement of UDS among the community of universities around the world.
- Ensuring the placement of students from other higher educational institutions who may want to take part in UDS programmes such as the Third Trimester Field Practical Programme.
- Supporting in the acquisition of grants/scholarships or any other projects of benefit to the University.
- Promoting UDS programmes to the international community.

DIRA has a total of five (5) staff comprising two (2) Senior Members, two (2) Senior Staff and one (1) Junior Staff. During the year under review, DIRA continued to work on the advancement of the University by leveraging on its international linkages for staff and students’ development, raising funds for the University and promoting UDS programmes to the international community.

Staff

Name	Qualification	Rank/Position
<i>Saba, C.K.S.</i>	<i>B.Sc (UDS, Tamale, Gh), M.Sc, Ph.D. (Complutense, Madrid, Spain)</i>	<i>Snr. Lecturer/ Director</i>
<i>Rahaina, T.</i>	<i>B. A. (UG, Accra, Gh), M. A. (Brock U., St. Catherines, Canada), Ph.D. (UG, Accra, Gh)</i>	<i>Senior Assistant Registrar</i>

Programmes and Activities

During the 2021/2022 academic year, the Directorate undertook several activities which included processing of Memoranda of Understanding (MoUs) with both local and international organizations/institutions, receiving visitors across the globe on collaborative issues, issuing introductory/invitation letters to staff, students, alumni and international visitors, processing scholarships and internships for both local and international students and staff. Some of are presented below:

S/N	Name of Institution/Country/Activity	Purpose of visit
1.	Educational Pathways International (EPI), USA	Conduct interviews for brilliant but needy undergraduate students. Thirteen (13) students were awarded the EPI Scholarship.
2.	McMaster University, Ontario, Canada	Meeting on possible areas of collaboration.
3.	Delegation from the Wagrinova Project, The Netherlands, Mali, Bourkina, Ghana	Paid a courtesy call on the Vice-Chancellor after end of project meeting.
4.	Sakhnin College, Isreal	To apply for Erasmus Plus fund to establish center for cultural diplomacy
5.	University of West Bohemia in Pilsen, Czech Republic	Virtual meeting to discuss an Erasmus+ project
6.	Cologne, Germany	Virtual meeting to discuss issues on Erasmus+ project.
7.	Sakhnin College, Isreal	Virtual meeting for Teacher Education
8.	Un`iversity of Dedougou	Visiting lecturers in the Department of Microbiology, UDS
9.	University of Brescia, Italy	Visiting lecturers from the Department of Civil, Environmental, Architectural Engineering and Mathematics

Foreign Students' Interns/ Volunteers

The University received eleven (11) foreign interns from universities in Spain and The Netherlands, one (1) student on exchange programme from Ivory Coast and three (3) volunteers from Spain as shown in Table below:

Foreign student interns/volunteers

Institution	Purpose of visit	Duration
Received an intern from The Hague University, Netherlands	Internship in the Food Science and Technology Department, Nyankpala.	Three months
Received six interns (Nursing students) from PXL College, Belgium	Internship in the Tamale Teaching Hospital	Three months

Received an intern from VIA University College Aarhus, Denmark	Internship in the field of Global Nutrition and Health under Public Health	Three months
Wageningen University, The Netherlands	Internship	Three months
Received an intern from Grinnell College, USA	Internship	Six weeks period
Received an intern from Wageningen University, The Netherlands	Internship	Three month period

Visits: (Casual)

- Received lecturers from the University of Dedougou in the Department of Microbiology
- Received a Spanish team who collaborated with the Microbiology Department to teach practical Microbiology.
- Received guests from the North Western University (Kim and Shaun) to discuss issues of collaboration.
- Received a delegation from Universite Abdou Moumouni De Niamey, Niger.
- Received guests from the Horizon 2020 Project with participants from Finland, Burkina Faso, Austria, University of Cape Coast and UDS to discuss issues on Sustainable Agriculture.
- Received a guest from Burkina Faso
- Received two Masters students from Malawi and Benin respectively

UDS International Virtual Visiting Lecturers' Platform Coordinated by DIRA

- Virtual lecture with Professor of Mathematics and Physics from the University of Alberta, Canada

Topic	Presenter	Time/ Date
Encryption from the Enigma Era to the Quantum Information Age	Prof. Peter Berg	December 6, 2021 3:00 PM

- Virtual lecture with partners from Vrije University of Amsterdam

Topic	Presenter	Time/ Date
Knowledge Graph for Social Good	Dr. Victor de Boer	Monday December 13, 2021 10:00 AM to 11:30 AM

- Virtual lecture between the School of Medicine (Ophthalmology Department) and the Faculty of Medicine & Dentistry of the University of Alberta, Canada

Topic	Presenter	Date/Time
Diabetic Retinopathy, Hypertensive Retinopathy and Sickle Cell Classification, Examination, clinical features and principles or treatment	Dr. Matt Tennant Retina Specialist - Royal Alexandra Hospital	Thursday, March 3 1:00PM -2:00PM GMT
Benign & malignant tumours of eyelid & lacrimal system Ocular surface tumours & Metastatic disease (Definition, introduction, classification, clinical features, complications and management)	Dr. Imran Jivraj Neuro-Ophthalmologist and Oculoplastic Surgeon, U of A	Friday, March 4 2:00PM - 3:00PM GMT
Retinal Detachment (Diagnosis / Classification / Management)	Dr. Mark Seamone Vitreoretinal Surgeon, Assistant Clinical Professor in the Department of Ophthalmology & Visual Sciences in the Faculty of Medicine & Dentistry	Monday, March 7 2:00PM - 3:00PM GMT
Degenerative retinal diseases / Macular Hole (Definition, introduction, classification, clinical features, complications and management)	Dr. Parampal Grewal Retina Specialist - Royal Alexandra Hospital	Tuesday, March 8 2:00PM-3:00PM GMT
ORBIT - Tumours and lesions Benign and Malignant tumours of the Orbit.	Dr. Rahul Moorjani (PGY-2) and Dr. Helya Aghazadeh (PGY-4) Ophthalmology Residents, University of Alberta	Wednesday, March 9 2:00PM - 3:00PM GMT
Amblyopia & Strabismus (Definition, introduction, classification, clinical features, complications and management)	Dr. Carlos Solarte Ped. Ophthalmology and Strabismus	Thursday, March 10 2:00PM - 3:00 PM GMT
	UofA – Stollery Children's Hospital	

MoUs signed between UDS and other International and Local Institutions as at August 2022

The Directorate signed thirty-two (32) MoUs and Addendum between UDS and other international and local Universities/Organizations during the period under review, some of which are presented below:

Memoranda signed and renewed as at August 2022

S/ N	Partner Institution	Date Signed	Type of Agreement/Details	Collaborating School/Faculty
1.	UDS and Farm Radio International (FRI)	October 10, 2021	General academic collaboration	School of Engineering

2.	UDS and The Research Institute for Water and Waste Management at RWTH Aachen (FiW) e. V.	July 7, 2021	General academic collaboration	General collaboration
3.	MESSRS ASSURED Investors Company Limited	November 30, 2021	General academic collaboration	General collaboration
4.	BRYN MAWR College, USA and UDS	April 9, 2022	Exchange of students/ faculty, research	General collaboration
5.	The Institute of Chartered Economist Ghana and UDS	November 12, 2021	General academic collaboration	General collaboration
7.	The University of Utah, US and UDS	September 29, 2021	General collaboration	General collaboration
8.	Norwegian University of Life Sciences/Faculty of Veterinary Medicine and Department of Paraclinical Sciences Utrecht University, Netherlands	August 30, 2021	Exchange of students/ faculty, research	Faculty of Agriculture, Food, and Consumer Sciences
9.	UDS and National Institute for Micro, Small & Medium Enterprises (ni-msme)	May 11, 2021	General academic collaboration	General collaboration
10.	UDS and Cranfield University, Sarvaay Solutions LLS	January 25, 2022	General Collaboration	General collaboration
11.	UDS and Water-Lily Foundation	January 27, 2022	General Collaboration	School of Engineering
12.	University of BATH and UDS	September 29, 2021	General Collaboration	General collaboration
13.	UDS and Association of Ghana Industries and Empretec Ghana Foundation	January 27, 2022	Research Collaboration	General collaboration
14.	Climate Change Resilience of Ecosystem Services (CRES) Project Consortium Agreement between West African Centre for Water, Irrigation and Sustainable Agriculture (WACWISA), UDS, Department of Bioscience, Aarhus University and Unity of Training and Research in Sciences and Technologies, University Norbert Zongo of Koudougou, Burkina Faso	April 1, 2021	General academic collaboration	School of Engineering
15.	UDS and The National University of Equatorial Guinea (UNGE)	January 17, 2022	Collaboration in the training/ research work of	General collaboration

			graduate (PhD) of any of the parties	
16.	UDS and Solarinno Co., Ltd	April 14, 2022	To establish future collaboration between each parties on developing and commercializing the very low cost solar desalination technology which having been studied by solarinno Co., Ltd	School of Engineering
17.	UDS, Universite de parakou, west Afrcan Science Service Center on Climate Change and Adapted Land Use (WASCAL), and Universitat Kassel (UK), Georg-August-Universitat Gottingen, Universitat Hohenheim (UniHo), Potsdam Institute for Climate Impact Research	April 27, 2022	To promote mutual scientific research, exchange knowledge sharing, and teaching cooperation and to strengthen scientific capabilities of the West African and German partners.	Faculty of Agriculture, Food and Consumer Sciences
18.	UDS and PXL University of Applied Sciences and Arts, Belgium	February 28, 2022	Cooperation of staff for teaching, curriculum development, services to the community and research	General collaboration
19.	UDS and Moi University Kenya, JOOUST Kenya, Egerton University Kenya	May 27, 2022	To strengthening academic programmes	General collaboration
20.	UDS and McMaster University Macleads	March 14, 2022	Jointly explore the development of student mobility opportunities	General collaboration
21.	UDS and Association of Ghana Industries and Empretec Ghana Foundation	January 27, 2022	To develop and link MSMEs in Northern Ghana with unique transformational development strategies	Faculty of Agriculture, Food and Consumer Sciences

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22.	UDS and World Vegetable Center (WorldVeg)	March 29, 2022	Business Collaboration	General collaboration
23.	UDS and Kosmos Innovation Center Foundation LBG	February 18, 2022	To implement the KIC AgriTech Challenge (Classic and Pro) and Incubations modules	School of Engineering
24.	UDS and Chartered Examiners of Criminology and Forensic Investigation Inc, USA	March 22, 2022	Business Collaboration	General collaboration
25.	UDS and Konyang Cyber University	July 8, 2022	To promote global academic and human exchanges for the mutual development of two institutions	General collaboration
26.	UDS and International Youth Fellowship (IYF) Republic of Korea	July 7, 2022	To facilitate professional training and education to foster and nurture the youth who are the leaders of next generation	General collaboration
27.	UDS and West African Postgraduate College of Medical Laboratory Science (WAPCMLS)	July 4, 2022	Collaboration in the training/research work of post-graduate students (MPhil and PhD) of either party	School of Allied Health Sciences
28.	UDS and Opportunity International Inc. ("Opportunity")	June 13, 2022	To set forth the understanding between opportunity and the collaborator with respect to their joint efforts for the submission of a proposal	General collaboration
29.	UDS and Community water and sanitation agency, Accra	February 8, 2022	To establish a mutually beneficial relationship built on academic and scientific research cooperation	School of Engineering

30	UDS and Jaramogi Ogingaodinga University of Science and Technology	March 24, 2022	General academic collaboration	General collaboration
31	UDS and University of Energy and Natural Resources, Sunyani	June 17, 2022	Collaboration in the training /research work of post-graduate students (PhD) of either party	School of Engineering
32	UDS and C2EA-INE	June 10, 2022	Collaboration in the training /research work of post-graduate students (PhD) of either party and the award of joint degrees in the future	General collaboration

Advancement

DIRA shall continue to explore for grants and scholarship opportunities for staff, students and alumni. A five-year internationalization strategic plan (2019-2024) has been prepared by the Directorate to affirm UDS's position as a unique and global institution to promote and advance UDS concept of higher education. Staff of the Directorate also worked with others in an Internationalisation and Regionalisation Committee to further develop a University Strategy to further the regionalization and internationalization strategy of the University.

Scholarships and funding opportunities

Through collaboration with Educational Pathways International (EPI), USA, thirteen (13) UDS students have been awarded scholarships to study in various faculties/schools. Several grants and funding opportunities were also received and shared with Faculties/Schools. Some included but not limited to;

- Virtual meeting with partners from University of West Bohemia in Pilsen, Czech Republic to discuss an Erasmus+ project.
- Virtual meeting with partners from Cologne, Germany to discuss issues on Erasmus+ project.
- The Director attended a grant writing training program for tertiary educational institutions, non-profit and social enterprise organizations in Accra.
- The Senior Assistant Registrar attended a DAAD/DIES National Multiplication Programme on Project Management in the Context of Internationalisation organized at UPSA, Accra.

- Department of Food Science with a researcher from the University of Alberta to apply for the Academics without borders grant.
- Attended an Erasmus+ networking event in Accra organized by the UE Ambassador to Ghana
- Applied for new Erasmus+ projects with Universidad Complutense de Madrid (UCM),
- Applied for new Erasmus+ projects with Utrecht University, Netherlands
- Applied for new Erasmus+ projects with Universidad Autonoma de Barcelona
- Applied for new Erasmus+ projects with Sakhrin College, Israel

International Co-operation (Membership of International Organizations)

To enhance advancement in research and trans-cultural knowledge, the University has membership with a number of foreign Organizations including; Regional Universities Forum for Capacity Building in Agriculture (RUFORUM), Association of African Universities (AAU), West African Research Association (WARA), Association of Commonwealth Universities (ACU), Erasmus Mobility Program, etc

Conclusion

The Directorate continues to work towards its vision to promote and internationalise UDS, fosters links with higher education institutions around the world, support international faculty collaboration, afford students the opportunity to study abroad, increase the number and diversity of international students on campus.

OFFICE OF THE DEAN OF STUDENTS' AFFAIRS

The Office of the Dean of Students' Affairs operates under the Vice-Chancellor's Office. The main office is situated in the Central Administration building, with its supporting campus-specific offices being at Nyankpala and Tamale Campuses, respectively. The office coordinates the programmes and activities of the offices of the Vice-Deans of Students, Counselling Units and Senior Hall Tutors to maintain students' discipline and provide general welfare services to the various student groups on the various campuses. It further serves as the link between management of the University and the various students' Associations/Organisations.

Staff

Name	Qualification	Rank/Position
<i>Sackey, I.</i>	<i>B.SC., Dip. Ed. (UCC, Cape Coast, Gh), M.Phil. (Ghana), Ph.D. (Bradford, UK)</i>	<i>Assoc. Prof./Dean of Students' Affairs</i>
<i>Aryee, P. A.</i>	<i>B.Sc., M.Phil. (Ghana), M. Med. Sc. (Sheffield University, Sheffield), Ph.D. (Southampton University, Southampton)</i>	<i>Assoc. Prof./Vice Dean of Students' Affairs, Tamale Campus</i>

Haruna, U.	PhD (UDS, Tamale, Gh), BA., MPhil (UCC, Cape Coast, Gh)	Senior Lecturer/Hall Master Tamale Campus
Issaka, A.	MD (Ankara University, TR), Cert. Thoracic Surgeon (Marmara University, Istanbul, TR), FGCS (GCPS, Accra, Gh)	Snr. Lecturer/Snr. Hall Tutor
Nurudeen, A.	PhD (UDS, Tamale, Gh), BA., MPhil., BEd (UCC, Cape Coast, Gh), MSc (Ghana)	Lecturer/Snr. Hall Tutor,
Kalog, G. L. S	B.Sc. (UDS, Tamale, Gh.), M.Phil. (KNUST, Kumasi, Gh), Dip. Edu. (UEW, Mampong, Gh)	Assistant Lecturer/Snr. Hall Tutor, SAHS
Wonnia, L.K.	Tr. Cert. 'A' (Batco, Tamale, Gh), Cert. HRM (GIMPA, Accra, Gh) Dip. Bus. Edu. (KATTC, Kumasi, Gh) BMS, MBA (UCC, Cape Coast, Gh)	Asst. Registrar

The Office is supported by one Senior Staff and one Junior Staff

Residential Facilities

The Tamale Campus has two residential facilities for students namely, Sagnarigu Hall located on the Tamale Campus with a bed capacity of 200; and the Clinical Hostel located at the Tamale Teaching Hospital (TTH), with its bed capacity of 80, an increased from 32, due to an additional new hostel. The Sagnarigu Hall has four porters (three males and one female), two male security personnel, five female cleaners and a male electrician. That of the Clinical Hostel has an assigned Estate Officer, five porters, six female cleaners, two male workers and three security personnel for the two blocks. A Senior Hall Tutor responsible for private hostels has also been appointed for Tamale Campus.

Office of Vice-Dean of Students' Affairs, Nyankpala Campus Staff

Name	Qualification	Rank/Position
Dari, L.	B.Sc. (UDS Tamale, Gh), MPhil., PhD (KNUST Kumasi, Gh)	Snr. Lecturer/Vice Dean of Students
Adu-Gyamfi, R.	B.Sc. (UDS, Tamale, Gh.) M.Phil., Ph.D (Reading Univ., UK)	Assoc. Prof./ Hall Master
Mabe, F.N.	B.Sc., M.Phil. (Ghana), PhD (UDS, Tamale, Gh)	Snr. Lecturer/ Snr. Hall Tutor, Non-Residential Students, Nyankpala Campus
Lampsey, S.	B.Sc. (UCC, Cape Coast, Gh.), M. Phil. (Ghana.), PhD (Gansu Univ., China)	Snr. Lecturer/ Snr. Hall Tutor
Ansah, I. G	BSc. (KNUST Kumasi, Gh), MPhil., PhD (Wageningen)	Snr. Lecturer/ Snr. Hall Tutor
Fearon, J.	BSc. (UDS Tamale, Gh), MPhil, Gh)	Lecturer/ Snr. Hall Tutor

The Unit is supported by two Senior Staff members

Residential Facilities

The Campus has three halls and a graduate hostel with a total bed capacity of 646. Jeddah hall, named after Islamic Bank of Jeddah that helped with grant to put up the facility, has a

bed capacity of 274 (two per room). The ground and third floors are occupied by males, while the first and second floors are occupied by females. Union Hall (Gentlemen) and Nyankpala Hall (Ladies) have 200 and 152 bed capacity respectively, with occupancy of four per room. Post Graduate Hostel has 10 rooms, with occupancy of two per room.

Guidance and Counselling Unit

The Guidance and Counselling Unit is under the Office of the Dean of Students' Affairs. It is headed by a Head Counsellor located in the Central Administration, Tamale with another Counsellor in -charge of the Tamale Campuses of the University.

Staff

Name	Qualification	Rank/ Position
<i>Alale, A. A.</i>	<i>B. Ed. (UCC, Cape Coast, Gh.), M. Phil., Ph.D (UEW, Winneba, Gh.), ChPA (Accra, Gh.), CMC (Accra, Gh.)</i>	<i>Deputy Registrar/Head Counselling Unit, Central Administration</i>
<i>Alhassan H.</i>	<i>Dip., B. Ed., M. Phil. (UEW, Winneba, Gh.)</i>	<i>Snr. Asst. Registrar/Tamale Campus Counsellor</i>

The Unit also has two Senior Staff members under it

Activities:

i. Orientation on Preparation towards Examination for Level 100 Students on the theme "My First University Exams".

The Seminar was held on 23rd March and 12th, 13th, 20th, 21st, 22nd April, 2022. In view of the fact that student numbers have increased on the Nyankpala Campus, the programme was run on faculty level instead of the whole Campus which used to be the norm. Topics covered included the following: Acquiring and developing effective study skills, Sexual Harassment Policy in UDS: Implication for Staff and Students, what examiners/lecturers look for when marking students' scripts? The Dos and Don'ts of University Examination, Registration and deferment of courses in UDS, UDS grading system, calculating of GPA, probation and withdrawal, Online registration, results checking and complaint procedure in the University and how to manage examination anxiety.

ii. Guidance on Choice of Department/Programme of Study.

This seminar was organised for the level 200 students of the Faculty of Renewable Natural Resources, Level 300 students of Faculty of Agriculture, Food and Consumer Science, Faculty of Communication and Cultural Studies, School of Engineering, and School of Veterinary Medicine. The purpose of the seminar was to: Expose students to various departments available in the faculty; Exposed students to different careers/job opportunity available for them after their completion; and to Equip students to enable them choose their research topics.

iii. **Exit and Enrollment Drive Seminar for all Diploma Final Year Students on the theme, The Alternatives, My Best Choice**

The seminar which was held on 17th June, 2022 sought to achieve the following: Encourage students to ladder onto a Degree programme in UDS, Possibilities of students moving from a Diploma programme of study to a Degree programme in the same Faculty or from one Faculty to another, Processes involved in applying and laddering onto a Degree programme, Placement of Diploma students into Degree programme, Expose students to scholarships/sponsorship schemes available and how to access them, Expose students to job/career opportunity available after completion of programme of study and to Provide Job seeking skills to those who may not ladder on.

iv. **Career Guidance Seminar for all Final Year Students**

The seminar was held on 29th June, 2022 on the theme, Adding Value to your Life as a Graduate in a Competitive World. This seminar was organised for all level 400 students from all Faculties and Schools. The purpose of this seminar was to prepare and equip them for the life outside School and focused on: How to prepare competitive C.V., How to write good Application letter; How to prepare for interview and post-Graduate programmes available in UDS.

Activities and Meetings - Office of Dean of Students

The Office of the Dean of Students' Affairs (DoSA) embarked on the following during the year under review:

1. The office in November 23, 2021 successfully organised orientation for the 2021/2022 GRASAG/SRC/NUGS Executive Officers on lines of communication in the University, guidance and counselling services, procedure for requisition and receipts of funds, budgeting, procurement, retirement of expenditure among others;
2. DoSA participated in the annual orientation seminar for levels 100, 200 and 300 students on study skills, and choice of courses and study programmes at the various Faculties/Schools of the UDS;
3. The DoSA visited both Tamale and Nyankpala Campuses in March 2022 to assess the state of teaching and learning environment as part of the social and academic wellbeing of students;
4. The office successfully facilitated a partnership between the University and Zabzugu Company Limited to organise ZAA TV High School Debate in May 2022.
5. The 2022/2023 academic year elections for UDS Local GRASAG/SRC/NUGS Executive Officers for Nyankpala and Tamale Campuses were successfully held, though that of SRC/NUGS delayed due to disagreements and court injunctions. The Local GRASAG have since handed over while that of SRC/NUGS is pending;
6. The office of the Dean of Students' Affairs coordinated a partnership agreement between the University and the United Nations Population Fund, Ghana under the latter's

Orange Ambassador Project aimed at empowering young ladies to speak up against sexual and gender-based violence and harmful practices;

7. The office in conjunction with some Private Hostel owners on Tamale Campus have developed a Tenancy Agreement and Clearance Form for private hostel student tenants to curb misunderstanding between the landlords and our students;
8. The office has further undertaken the registration and classification of some private hostels on Tamale Campus who were available and willing. In all, twelve hostels have been categorised into eight Class "A", one Class "B" and three Class C.
9. The office facilitated a meeting with Ayalolo Shuttle Bus Services to discuss the possibility of extending their services to the University community;
10. The DoSA represented the University at the NORSAAC's Twentieth Launch and Anniversary Lecture on July 28, 2022;
11. The office on Wednesday, August 17, 2022 participated in stakeholders' engagement with other Deans of Faculties/Schools, Directors and SRC representatives about "Leveraging the University Field Practical Programme to Prevent Violent Extremism" within the framework of the USAID/OTI Littorals Regional Initiative programme;
12. GNPC scholarship awardees in UDS for 2021/2022 were verified by the ODSA in May. In all, one hundred and eight (108) were involved: ninety (90) undergraduate students and eighteen (18) postgraduate students;
13. DoSA office coordinated issues pertaining to students' scholarships particularly Ghana National Petroleum Corporation Scholarship Foundation (GNPC), Standard Chartered Bank and Tertiary Education Scholarship Trust (TEST) for Ghana.

Scholarships available for students

The Office of the Dean of Students' Affairs facilitated the processing of scholarships to brilliant but needy students to enable them meet their financial obligations at school. Accordingly, the following organisations and institutions awarded scholarships to our needy students:

- Ghana National Petroleum Corporation (GNPC);
- Tertiary Education Scholarship Trust for Ghana (Test for Ghana);
- Standard Chartered Kenneth Dadzie Memorial Trust Fund;
- Standard Chartered Science Education Trust Fund;
- Educational Pathway International (EPI) (Managed by Directorate of International Relations and Advancement-DIRA);
- Brighter Investment Loan Scheme (Managed by Directorate of International Relations and Advancement-DIRA).

Research Work

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2. **Sowley, G.L.K.**, Kasim, F., Anyebuno, B., Tei, S., Kubuga, C. K., Mogre, V., and **Aryee, P. A.**, (2022). Food advertisement influences food decision making and not nutritional status: a study among university students in Ghana. *BMC Nutrition* 8:72. <https://doi.org/10.1186/s40795-022-00571-2>
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4. **Sowley, G.L.K.**, Kasim, F., Anyebuno, B., Tei, S., Kubuga, C. K., Mogre, V., and **Aryee, P. A.** (2022). Food advertisement influences food decision making and not nutritional status: a study among university students in Ghana. *BMC Nutrition* 8:72. <https://doi.org/10.1186/s40795-022-00571-2>
5. Datuah, J. N., Aninanya, G. A., Habib, I., & **Aryee, P. A.** (2022). Socio-Demographic Correlates of Job Satisfaction Among Nurses and Midwives in Health Facilities in The Bole District of the Savannah Region, Ghana. *UDS International Journal of Development*, 8(2), 674–687. <https://doi.org/10.47740/604.UDSIJD6i>
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7. Dotse, M. A., **Mabe, F. N.** and Awuni, J. A. (2022). Irrigation Energy Sources and Profit Efficiency of Vegetable Farming in the Keta Municipality, Volta Region, *Ghana Journal of Science, Technology and Development*, 7(3): 11-25
8. **Mabe, F. N.**, Owusu-Sekyere, E. and Adeosun, O. T. (2021). Livelihood coping strategies among displaced small-scale miners in Ghana, *Resources Policy*, 74 (2021): 1-9.
9. Adeosun, O. T., Asare-Nuamah, P. and **Mabe, F. N.** (2021). Vulnerability analysis of Nigeria's agricultural output growth and climate change, *Management of Environmental Quality: An International Journal*, vol. ahead-of-print, no. ahead-of-print
10. Adjeso, T., **Issaka, A.**, & Yabasin, I. B. (2021). Review of rigid esophagoscopy in a Tertiary Hospital in Ghana. *The Pan African medical journal*, 39, 64. <https://doi.org/10.11604/pamj.2021.39.64.25438>.
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14. Tang, F. Z., **Alale, A. A.** & Seniwoliba, J. A. (2021). Attracting Students in a Competitive Environment in Ghana: A Case Study of the Faculty of Natural Resources and Environment, University for Development Studies. *Ghana Journal of Higher Education Management*, **7 (7)**, 1-12.
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16. Wonnia L. K., (2021) Succession Management in Public Universities in Ghana: Context, Prospects and Success Factors – A Review of Literature – *UDS International Journal of Development* [UDSIJDI] ISSN:2026-5336, Volume 8 No. 2, 2021, <https://www.udsijd.org>
17. **Wonnia, L. K.**, Alidu, A. I., & Ateng, M. A. (February 2022). Front Desk Office (FDO) in contemporary university administration: A case for the establishment of FDO at the University for Development Studies. Action Memorandum submitted to the Registrar, UDS (Accepted by the University).

DIRECTORATE OF INFORMATION COMMUNICATION AND TECHNOLOGY

The Directorate of ICT (DICT) continues to roll-out digital strategies in furtherance of teaching, learning, research and organisational efficiency. Led by the Director of ICT, the Directorate operates an effective governance framework that promotes division of labour and ensures continuity in day-to-day administration and service delivery. Essentially, all operations of the Directorate are tailored towards achieving the University's strategic objectives through the initiation and implementation of emerging technologies that will ensure organisational efficiencies and best student practice.

The Directorate of ICT currently has a staff strength of 25; comprising of 2 Senior Members, 22 Senior Staff and 1 Junior Staff.

Staff

Name	Qualification	Rank/Position
Mohammed, A. W.	B.Sc. (KNUST, Kumasi, Gh), M.Sc. (IUSS, Pavia, Italy), Ph.D. (UESTC, Chengdu, China)	Director of ICT
Samuel N. A. O	B.Sc. (Ghana Telecom Univ., Accra, Gh) M.Sc. (UESTC, Chengdu, China)	Head, SISU

The Directorate of ICT completed the following projects during the year under review:

System integration: The DICT extended the integration between the University Campus Manager (UCM) and Admissions System (AMS) to include student admissions. This new module essentially bridges the gap between the Academic Affairs Section and faculties for easy and real-time correspondence on matters of admission. To further decentralize management of the University's ICT services, the Directorate also integrated management of

institutional emails into UCM. This feature empowers campus ICT support units to handle student and staff emails at the campus level.

Assistive Admission module: This module is a decision support strategy implemented to boost the University's admissions process. Right from applications to the selection stage, there exists an underlying intelligence providing guidance to prospective students on programme selection. This strategy performs content filtering of programme choices by limiting prospective students to only programmes they can pursue based on results submitted. Also, admission officers are required to set controls that feed the algorithm to avoid misclassification in the admissions process.

Theses Module: A new module for management of student project/thesis has been incorporated onto UCM. With this module, projects/theses of students can be completely managed online. Monitoring of full project/thesis cycle is possible right from proposal submission to project/thesis defense.

Training and Stakeholder Engagement: The Directorate continued engaging stakeholders on ICT requirements of the University. With available systems and services, refresher training continued during the period under review. Both teaching and non-teaching staff participated in the training.

DIRECTORATE OF UNIVERSITY HEALTH SERVICES

The Health Directorate is one of the functional areas of the University for Development Studies. It has an overall mandate of ensuring the provision of quality Health Services to the University Community, (Staff, Students, Staff dependence and the General public). This includes:

- Health promotion
- Disease prevention
- Curative health and
- Rehabilitative Health

The Health Directorate which is headed by the Director of Health services provides Health advice to the University Management to shape policy formulation that will safely guard the health of the University community.

The Directorate of University Health Services consists of nine (9) Departments:

- Office of the Director
- Clinic Administration at Nyankplala and Dungu Campuses
- Accounts
- Medical

- Nursing
- Laboratory
- Pharmacy
- Claims
- Records

The Directorate has a total of 130 staff; (59) from the Ghana Health Services (GHS).

Staff

Name	Qualification	Rank/Position
Azeez K.K.	MBBS(IB), DLO (WACS, MPH(UG), MA.HRM (UCC)	Director
Dr. Kase T. John	MBBS	Snr. Medical Officer
Dr. Mustapha Abdul-Rahim	MBBS(UDS)	Medical Officer
Dr. Amofa Ebenezer	MBBS(UDS)	Medical Officer
Dr. Mohammed Issahaku	MBBS(UDS)	Medical Officer
Mavis Akolor	MCOM, ICAG	Accountant
Philomina Nyaaba	B.A (UEW), M.Phil.(UDS)	Jnr. Assistant Registrar

Activities

During the 2021/2022 academic year, the DUHS achieved the following;

- Provided first Aid for “DEANS CUP”
- Conducted Medical screening for 2021/2022 first year Students on the two (2) Campuses,
- Received National Service personnel, some support staff from the University and some Nurses from Ghana Health Service
- Collaborated with DKT (LYDIA CONTRACEPTIVES) to offer Reproductive Health Services to the University Community.
- Collaborated well with the Ministry of Health, Regional Health Directorate, Tolon District Health Directorate and the Ghana Association of Quasi Government Health Institution.
- We have also received medical equipment from Ministry of Health through GHAQI
- COVID-19 logistics received were distributed to Staff and Students for COVID-19 prevention.
- Construction of a new clinic at Nyankpala through a Qatar project
- Currently jabbing the second dose of the COVID-19 vaccine at the various Campuses
- The two Campuses have introduced the Child Welfare Clinic (CWC), Preconception Care and Comprehensive Abortion Care
- Aid in checking the validity of staff medical claims for refund
- Collaborating with health superintendents on the various Campuses to ensure good sanitation.

SPORTS DIRECTORATE

Staff

Name	Qualification	Rank/Position
<i>Shaibu I. T</i>	<i>M.Phil. (UEW, Winneba, Gh)</i>	<i>Director</i>
<i>Awunziya B</i>	<i>B.Ed., M.Phil. (UEW, Winneba, Gh)</i>	<i>Asst. Registrar</i>

The Sports Directorate of the University for Development Studies (UDS) has over the years gained a lot of successes both on the local and international grounds. Recently the Directorate has been added with the responsibility to supervise the operations of the University's Debate Club. The UDS Sport Team participated in a number of activities in the year 2022. Among them were; the 2022 GUSA Cross Country at the University of Health and Allied Sciences (UHAS) Ho, the GUSA games 2022 hosted by Kwame Nkrumah University of Science and Technology (KNUST) Kumasi, the debate championship in Kenya, the championship in Uganda and also the GUSA Cross Country 2023 recently hosted by the University of Ghana.

Gusa Cross Country 2022

GUSA cross country 2022 took place at University of Health and Allied Sciences (UHAS) Ho, on 9th August 2022. The university teams place third and fifth respectively in the female and male categories. The university lost the female title as the defending champion but rather won the individual category by Serah Koomson who was also the defending champion. This competition meant that there was a lot of home work to be than with the teams.

Gusa 2022 at Kwame Nkrumah University of Science and Technology (KUNST) Kumasi

The 28th GUSA games took place at the Kwame Nkrumah University of Science and Technology (kunst) Kumasi. The University took part in the following games; football male and female, volleyball male and female, handball male and female, basketball male, badminton female and athletics male and female. The University won a silver in the female football and bronze in the male category, the female volleyball team won silver and the men came in the 4th position. The female handball team also won bronze and the male team placed 5th. The basketball team placed 4th in their category. The athletic team won dash gold medal, dash silver medal and dash bronze. The above cumulatively, placed the university at the 5th position among 12 Universities that participated in the competition. The Directorate is working at improving its performance in subsequent competitions.

The Debate Championship in Kenya

The UDS saw a remarkable performance in the area of debate. The University participated in the Africa Universities Debate championship held in Nairobi Kenya, where the UDS team put up an outstanding performance by clenching a third-place position among several Universities in Africa.

The Debate Championship in Uganda

The performance by the team in Kenya motivated the university to participate in the Uganda championship which saw the university lifting the overall trophy of the championship, making the university the current number one in Africa.

GUSA Cross Country 2023

The University also participated in the recent GUSA Cross Country race staged at the University of Ghana, Legon. The UDS Team lost in both the individual and team bids in the female category which used to be the university's strong hold. The defending champion Sarah Koomson of UDS could not end the race due to stomach troubles. As a result of which, the UDS female team placed 5th in that category. The male team also placed 7th position instead of its usual 4th or 5th position

DIRECTORATE OF COMMUNITY RELATIONS AND OUTREACH PROGRAMMES (DCROP)

The Directorate of Community Relations and Outreach Programmes (DCROP) is one of the Directorates under the Office of the Vice-Chancellor. By its setup, the Directorate is responsible for the planning and implementation of all outreach programmes of the University, including the Third Trimester Field Practical Programme (TTFPP). The Directorate carries out its activities in collaboration with the Deans and Directors of Schools/Faculties and Heads of Academic Departments, Administrative Directorates, Sections and Units of the University. Activities at the directorate are planned by the DCROP Planning Committee which is chaired by the Pro Vice-Chancellor. Each School/Faculty has a DCROP Coordinator to help coordinate activities of community outreach programmes at that level (see Table 1). Two of the School/Faculty Coordinators have additional responsibilities as coordinators for Tamale and Nyankpala Campuses. The Directorate has a total of 9 staff including a Principal Administrative Assistant and a Driver.

Staff

Name	Qualification	Rank/Position
Addah, W.	BSc. (UDS, Tamale, Gh), MSc. (KNUST, Kumasi, Gh), PhD (Alberta, Canada)	Asso. Professor/Director
Sulemana, N.	B.Sc. (UCC, Cape Coast, Gh) M.Sc., PhD. (Wageningen, The Netherlands)	Senior Lecturer/Deputy Director, Documentation and Resources Mobilization
Adjeso, T.	B.Sc., MBChB (KNUST, Kumasi, Gh), FGCS (Ghana)	Senior Lecturer/Deputy Director, TTFPP and COBES
Asante, T.	B.A., (UCC, Cape Coast, Gh), M.A., MS., PhD. (Scranton)	Senior Lecturer/Deputy Director, Teaching Practice, Industrial Attachment and Practicum

Sumani O. M.	B.Sc. (Ghana), M.Sc., MPhil (UDS, Tamale, Gh)	Junior Assistant Registrar
Fusein, M.	B.Com (UCC, Cape Coast, Gh), ICAG, CEMBA (KNUST, Kumasi, Gh)	Accountant
Chikpah, S. K.	B.Sc., MPhil. (UDS, Tamale, Gh)	Coordinator (On study leave)

Table 1: School/Faculty DCROP Coordinators

Faculty/School	Campus	Name of TTFPP Coordinator
Faculty of Agriculture, Food and Consumer Sciences	Nyankpala	Dr. Sanatu Alidu Mustapha
School of Medicine	Tamale	Mr. Exekiel Vicar
School of Nursing	Tamale	Mr. Issahaku Awal
School of Public Health	Tamale	Dr. Yaa Nyarko Agyeman
School of Allied Health Sciences	Tamale	*Dr. Clement Kubuga
School of Pharmacy and Pharmaceutical Sciences	Tamale	Mr. Matthew Aidoo
Faculty of Planning and Land Management	Wa	Dr. Maxwell Okrah
School of Engineering	Nyankpala	Dr. Lydia Kwoyiga
Faculty of Sustainable Development Studies	Tamale	Mr. Eric Kojo Majialuwe
Faculty of Education	Tamale	Mr. Mahama Alhassan
Faculty of Biosciences	Nyankpala	**Dr. Emmanuel Delwin Abarike
School of Applied Economics and Management Studies	Nyankpala	Dr. Mubarick Salifu
Faculty of Communication and Cultural Studies	Nyankpala	Dr. Sammuel Abokyi
Faculty of Natural Resources and Environment	Nyankpala	Dr. Conrad Weobong
Faculty Mathematical Sciences	Navrongo	Mr. Luu Yin
Faculty of Applied Sciences	Navrongo	Dr. Millicent Captain-Esoah
School of Business and Law	Wa	Mr. Allou Leanda A.
Faculty of Integrated Development Studies	Wa	Dr. Amos Dordah

*Tamale Campus Coordinator **Nyankpala Campus Coordinator

Major Activities

Key activities carried out by the Directorate included:

- Signing of MOU between UDS through DCROP/IIR and Creative Associates International under the Littoral Regional Initiative (LRI) on the Violent Extremism Project.
- Stakeholders dialogue with Deans and Directors on the Violent Extremism Project
- Training of L100 district coordinators on the Violent Extremism Project
- Student Guides for TTFPP and COBES reviewed.
- Community entry and re-entry processes for Level 100 and 200, respectively completed.

Extent of Coverage

In all, a total of 7,860 Levels 100 and 200 students from the Nyankpala and Tamale Campuses were deployed in 786 rural communities in 35 districts spread across Bono, Ahafo, Northern, North-East, Oti and Savannah regions (see Table 2). A total of 3,580 Level 300 students were involved in Field Practicum/Industrial attachments organised at the departmental level across Nyankpala, Tamale, Wa and Navrongo Campuses.

Table 2: Student distribution in 2021/2022

Level	No. of Districts	No. of Communities	No. of Students
200	18	419	3,395
100	17	367	3,954
Total	35	786	7,349

City Campus

1 Graduate School

2 Directorates

2 Institutes

- Graduate School
- UDS- Business Directorate
- Directorate of Colleges of Education Affiliation
- Institute for Distance and Continuing Learning (IDCL)
- Institute for Interdisciplinary Research (IIR)



GRADUATE SCHOOL

The Graduate School is the main Coordinating Unit of graduate programmes run by Faculties and Schools in the University. It is currently located at the City Campus, Tamale. All the Graduate programmes are at the levels of PGD, MA, MSc, M. Com, MPhil, and PhD. These programmes as listed below are run either on sandwich or full-time basis or both from the respective Campuses.

A. SANDWICH PROGRAMMES

TAMALE CAMPUS:

i. Faculty of Education

- Postgraduate Diploma in Education
- M.Ed. Training and Development
- M.Ed. Agriculture Education
- MA Development Education
- M.Ed. Educational Management and Planning
- M.Ed. Basic Education
- M.Ed. Health Science Education

NYANKPALA CAMPUS:

ii. Faculty of Agriculture

- MSc. in Horticulture (options: Postharvest Physiology, Postharvest Technology, Olericulture, Pomology, Seed Technology, Landscape Design and Floriculture).
- M.Sc. in Agricultural Economics
- MSc. Animal Science (Option in Meat Science, Animal Breeding and Genetics, Animal Nutrition, Physiology/Reproductive Physiology, Pasture and Range, Production).
- M.Sc. Post-Harvest Technology
- M.Sc. Crop Science (options: Agronomy, Crop Physiology, Crop Protection, Plant Pathology, & Weed Science).
- M.Sc. Agricultural Economics
- M.Sc. Soil & Water Conservation & Management.
- M.Sc. Innovation Communication

B. FULL-TIME PROGRAMMES

NYANKPALA CAMPUS:

i. Faculty of Agriculture, Food and Consumer Sciences

- M.Phil./Ph.D. Post-Harvest Technology
- M.Phil./Ph.D. Soil & Water Conservation & Management

- M.Phil./Ph.D. Animal Science (Options: Meat Science, Nutrition, Breeding and Genetics, & Production)
- M.Phil./Ph.D. Crop Science (options: Agronomy, Crop Physiology, Crop Protection, Plant Pathology, & Weed Science)
- M.Phil./Ph.D. Horticulture (options: Postharvest Physiology, Postharvest Technology, Olericulture, Pomology, Seed Technology, Landscape Design and Floriculture).
- M.Phil./Ph.D. Innovation Communication
- M.Phil./Ph.D. Agricultural Economics
- MSc/MPhil/PhD Food Science and Technology (*GTEC Approved Programme*)

ii. Faculty of Environment and Natural Resources

- MSc/MPhil/PhD Environmental Management and Sustainability

iii. Faculty of Biosciences

- MPhil Fisheries
- MSc./M.Phil. /Ph.D. in Biotechnology
- PhD Fisheries (*GTEC Approved Programme*)
- PhD Sustainable Aquaculture (*GTEC Approved Programme*)

iv. School of Engineering

- MSc/MPhil/PhD in Irrigation and Drainage Engineering

v. West African Centre for Water, Irrigation and Sustainable Agriculture (WACWISA)

- MSc/MPhil/PhD Climate Change Resilience of Ecosystem Services

TAMALE CAMPUS

i. School of Allied Health Sciences

- MSc. /MPhil Public Health Nutrition (PHN) - Modular
- PhD Public Health Nutrition
- MPhil/PhD Chemical Pathology
- MSc/MPhil (Community Health and Development) Modular

ii. School of Public Health

- MPhil Public Health
- MPhil Public Health (Maternal and Child Health)
- MPhil (Environmental Health Sciences)
- MPhil Public Health (Developmental Health)
- MSc/MPhil (Disaster Resilience Studies)

iii. School of Medicine*GTEC Approved Programmes*

- MPhil/PhD Molecular Medicine and Biochemistry
- MPhil/PhD Clinical Microbiology and Infectious Diseases
- MPhil/PhD Clinical Sciences

iv. Faculty of Education

- MPhil. Training and Development
- MPhil. Agriculture Education
- MPhil Special Education
- MPhil Educational Management and Planning
- MPhil Measurement and Evaluation
- MPhil Health Professional Education (*GTEC Approved Programme*)
- MPhil Basic Education
- MPhil Health Science Education
- PhD Basic Education

v. Faculty of Sustainable Development

- MA/MPhil/PhD Development Education Studies

vi. Faculty of Communication and Cultural Studies

- MSc. Integrated Rural Development (Full-time)
- MA/MPhil/PhD Politics and Governance

Members of the Board of Graduate School

The School Board is constituted based on relevant provisions in the University Statutes. Membership of the Board of Graduate School during the year under review is as follows:

S/No.	Name	Faculty/School
1.	Prof. Francis Kweku Amagloh	Dean, GS/Chairman
2.	Prof. Samuel A. Donkor	School of Agricultural Economics and Management Sciences
3.	Prof. Emmanuel Owusu Sekyere	Directorate of Colleges of Education Affiliation
4.	Ing. Prof. Ibrahim Yakubu Seini	School of Engineering
5.	Prof Abubakari Abdul-Halim	Faculty of Agriculture, Food and Consumer Sciences
6.	Prof. Abdulai Abubakari	School of Public Health
7.	Prof. Callistus B. Kuubiere	School of Medicine
8.	Dr. Humphrey Garti	School of Allied Health Sciences
9.	Dr. Joseph Abazami	Institute of Interdisciplinary Research
10.	Dr. Simon B. Bani	School of Allied Health Science

11.	Dr. Dzigbodi A. Doke	Faculty of Natural Resources and Environment
12.	Dr. Raymond Adongo	Faculty of Natural Resources and Environment
13.	Dr. Nelson Opoku	Faculty of Biosciences
14.	Dr. Francis Addy	Faculty of Biosciences
15.	Dr. Maxwell Nyatsikor	Institute of Distance and Continuing Learning
16.	Dr. Felix T. Longi	Institute of Distance and Continuing Learning
17.	Mamudu A. Akudugu	Institute of Interdisciplinary Research
18.	Dr. Dzigbodi A. Doke	Faculty of Natural Resources and Environment
19.	Dr. Raymond Adongo	Faculty of Natural Resources and Environment
20.	Dr. Steven Tetteh	School of Applied Economics and Management Studies
21.	Dr. Issaka Cecilia Alimatu	Faculty of Education
22.	Dr. Mashoud Mohammed	Faculty of Education
23.	Dr. Musah Baba Iddrisu	Faculty of Sustainable Development Studies
24.	Dr. Katara Salifu	School of Engineering
25.	Dr. Simon B. Bani	School of Allied Health Sciences
26.	Prof. Eliasu Alhassan	Coordinating Dean, Wa Campus
27.	Lateef Adebayo Oseni	Coordinating Dean, Navrongo Campus
28.	Dr. Abukari Salifu	School of Public Health
29.	Dr. Moomin Abu	Faculty of Agriculture, Food and Consumer Sciences
30.	Dr. Abukari Salifu	School of Public Health
31.	Dr. Miriam Linda Akeriwe	Library
32.	Dr. Samuel Owusu Yeboah	Senior Assistant Registrar/ Secretary

Staff Strength and Faculty Support

The school has a small number of support/administrative staff to cater for central coordination of graduate activities including the day to day running of the school, whilst teaching and supervision of students' research and outreach activities of both sandwich and full-time programmes are handled by staff of Faculties/Schools. The staffing of some Schools/Faculties is augmented by appointed visiting Professors.

Apart from the Dean, the School has eight (8) support/administrative staff made up of a Senior Assistant Registrar, a Chief Accounting Assistant, a Chief Administrative Assistant, a Principal Administrative Assistant, a Senior Assistant Transport Officer, a Senior Administrative Assistant, one Accounting Assistant and one Administrative Assistant.

Staff

Name	Qualification	Rank/Position
Amagloh F.K.	B.Sc. (Ghana), M.Sc. (KNUST., Kumasi, Gh), Ph.D. (Massey, Palmerston North)	Associate Professor/Dean of Graduate School
Yeboah S.O.	B.Sc. (KNUST., Kumasi, Gh), M.Sc. (Hohenheim, Germany)	Senior Assistant Registrar

Graduation

There was a special congregation in April 2022. The Schools and faculties facilitated the graduation of a total of one hundred and forty-three (143) post graduate students who met the requirements in the various disciplines. The breakdown are as follows:

Faculty of Food, Agricultural and Consumer Sciences

i. Ph.D. Innovation Communication	2
ii. Ph.D. Soil & Water Conservation & Management	1
iii. Ph.D. Crop Science	1
iv. Ph.D. Animal Science	1
v. Ph.D. Animal Science	1
vi. M.Phil. Innovation Communication	2
vii. M.Sc. Innovation Communication	1
viii. M.Phil. Soil & Water Conservation & Management	3
ix. M.Phil. Crop Science	3
x. M.Phil. Post-Harvest Technology	1
xi. M.Sc. Post-Harvest Technology	1
xii. M.Phil. Animal Science	2
xiii. M.Phil. Agricultural Economics	7

Faculty of Education

i. M.Phil. Agricultural Science Education (Regular)	2
ii. M. ED Agricultural Science Education (Sandwich)	2
iii. Post Graduate Diploma in Education	1
iv. M. ED Training and Development	11

Faculty of Biosciences

i. Ph.D. Biotechnology	1
ii. M.Phil. Biotechnology	1
iii. M.Phil. Fisheries Sciences	1

Faculty of Integrated Development Studies

i. Ph.D. Social Administration	2
ii. M.Phil. Social Administration	3
iii. M.Phil. Development Studies (Sandwich)	4
iv. M.Phil. Development Studies (Regular)	3
v. M.Phil. Environment and Resource Management (Regular)	9

Faculty of Planning and Land Management

i. Development Management (Regular)	8
ii. M.Phil. Strategic Planning and Management	2

Faculty of Mathematical Science

i. Ph.D. Computational Mathematics	4
ii. Ph.D. Mathematics	1
iii. Ph.D. Applied Statistics	1
iv. M.Phil. Mathematics	1

School of Public Health

i. Master of Public Health	16
ii. M.Phil. Community Health and Development	6

Faculty of Applied Sciences

i. M.Phil. Applied Chemistry	2
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School of Allied Health Sciences

i. M.Phil. Public Health Nutrition	4
ii. M.Sc. Public Health Nutrition	1

School of Bussiness

i. MA Leadership and Development	1
ii. Master of Commerce (Accounting)	11
iii. Master of Commerce (Banking and Finance)	1
iv. M.Sc. in Accounting	2
v. Master of Commerce (Procurement and Supply Chain)	5

Faculty of Sustainable Development Studies

i. M.Phil. Development Education	8
ii. MA Development Education	4

Admissions

Statistics for admissions of Graduate Students would be reported by each Faculty/School under the various programmes.

Publications

Amagloh, F. K.

Book Chapter

Atuna, R. A., & **Amagloh, F. K.** (2020). COVID-19 pandemic, food & nutrition security: Impact & mitigation strategies. In J. X. Kugbe (Ed.), *Impact of COVID-19 on Food Production, Nutrition Security & Hospitality in Northern Ghana Mitigation Actions against the Pandemic* (pp. 95 - 110). Kolkata, India: Exceller Books.

Journal Publication

Atuna, R. A., Achaglinkame, M. A., Accorley, T. A. S., & **Amagloh, F. K.** (2021). Cassava orange-fleshed sweetpotato composite gari: A potential source of dietary Vitamin A. *Frontiers in Nutrition*, 8(230). doi: <https://doi.org/10.3389/fnut.2021.646051>

- Tetteh, O. N. A., Huyskens-Keil, S., Amaglo, N. K., **Amagloh, F. K.**, Oduro, I. N., Adarkwah, C., Förster, N. (2021). Effect of terroir on the glucosinolate content of *Moringa oleifera* grown in three agro-ecological zones of Ghana. *Journal of Applied Botany and Food Quality*, 94, 82 - 89. doi:<https://doi.org/10.5073/jabfq.2021.094.010>
- Amagloh, F. C., Yada, B., Tumuhimbise, G. A., **Amagloh, F. K.**, & Kaaya, A. N. (2021). The potential of sweetpotato as a functional food in Sub-Saharan Africa and its implications for health: A review. *Molecules*, 26(10), 2971. doi:<https://doi.org/10.3390/molecules26102971>
- Atuna, R. A., Sam, F. E., Ackah, S., & **Amagloh, F. K.** (2020). Bread consumption pattern and the potential of orange-fleshed sweetpotato-composite bread in Ghana. *African Journal of Food, Agriculture, Nutrition & Development*, 20(5), 16509 - 16521. doi:<https://doi.org/10.18697/ajfand.93.19325>
- Agbemafle, I., Hadzi, D., **Amagloh, F. K.**, Zotor, F. B., & Reddy, M. B. (2020). Nutritional, microbial, and sensory evaluation of complementary foods made from blends of orange-fleshed sweet potato and edible insects. *Foods*, 9(9), 1225.

Magazine Publication

- Atuna, R. A., & **Amagloh, F. K.** (2020). The role of biotechnology for a secured food and nutrition supply. *Everyday Science for Schools Magazine-Ghana Science Association*, 8(1), 20 -24.

Yeboah, S. O.

- Yeboah, S. O.**, Amponsah, I. K., Kaba, J. S., & Abunyewa, A. A. (2022). Variability of soil physicochemical properties under different land use types in the Guinea savanna zone of northern Ghana. *Cogent Food & Agriculture*, 8(1), 2105906.
- Yeboah, S. O.**, Nasare, L. I., & Abunyewa, A. A. (2022). Effect of landuse on floristic composition and diversity of medicinal plants in the Guinea Savanna zone of Ghana. *Heliyon*, 8(8), e10203.
- Yeboah, S. O.**, Amponsah, I. K., Kaba, J. S., & Abunyewa, A. A. (2022). Abundance, richness and use of medicinal plants under different land uses in the Guinea Savanna zone of Northern Ghana. *All Earth*, 34(1), 202-214.
- Yeboah, S. O.**, Amponsah, I. K., Kaba, J. S. and Abunyewa, A. A. (2022). Prioritization of woody medicinal plant species for conservation in the Agroforestry Parklands of Guinea Savanna Zone of Northern Ghana: An Integrated Ecological and Socioeconomic approach. *Economic Botany*, [In press].

UDS- BUSINESS DIRECTORATE

In May, 2022, the UDS Business Innovation and Incubation Centre (UDS-BIIC) was renamed the University for Development Studies Business Directorate (UDS-BD) with an expanded mandate. The Business Directorate was reorganized in respect of its expanded mandate to include two units namely; the UDS Business Innovation and Incubation Unit and the UDS Enterprises Unit.

The Business Innovation and Incubation Unit

The Business Innovation and Incubation Unit has a mandate to intervene in the Micro, Small and Medium Enterprise (MSME) sub-sector of the Ghanaian economy in manner that would allow it to achieve impact and scale. Thus, UDS-BD, through the Business Innovation and Incubation Unit, provides an environment conducive for identifying, nurturing and mentoring SMEs by leveraging on available internal and external resources. In this regard, the unit strives to develop business expertise, identify and nurture innovative start-ups among students, to enable them take advantage of business opportunities available to them under the enabling environment provided by UDS.

The UDS Enterprises Unit

The UDS Enterprises Unit has a mandate to coordinate all production units, centres, and businesses of the University. Thus, the UDS Business Directorate provides advisory and supervisory roles for all UDS businesses. The Directorate will also facilitate access to finance by assisting the Units to develop comprehensive business proposals and ensure the recruitment of suitable human resources for these businesses. The Directorate will ensure comprehensive business plans are produced and also ensure the expansion of the businesses by upgrading their product and thereby extending their marketing catchment area as well as formulate policies and guidelines that will guide the establishment of new businesses as well as the operation of the existing businesses.

Staff

Name	Qualification	Rank/Position
<i>Issaka, Y. B.</i>	<i>B.Sc. (UDS, Tamale, Gh), MPhil (Wageningen, Netherlands)</i>	<i>Director/Snr. Lecturer</i>
<i>Abdul-Rahaman, A.</i>	<i>BSc. MPhil (Ghana), PhD (Kiel, Germany)</i>	<i>Deputy Director/ Snr. Lecturer</i>
<i>Belko, S.</i>	<i>Dip (GII, Accra, Gh.), Dip (LSPR, UK), M.A. (MDX, UK), PG. Dip. (CIPR, UK), PG. Cert, (BBK, UoL, UK), MCIPR (UK), APR (IPR, Gh.).</i>	<i>Snr. Asst Registrar/ Head Admin</i>
<i>Panford, P.</i>	<i>BSc. (UGBS), MBA (UGBS)</i>	<i>Business Development Officer/Accountant</i>

Activities

Activities embarked upon by the Directorate within the year under review have been captured as follows:

- On January 17, 2022, BD embarked on a day visit to Ummiy farms at Libga, Savulugu Nanton Municipality and Mangnoba Mushrooms Production site at UDS Nyankpala Campus, to witness progress made by two awardees of the 2021 Vice-Chancellor's Business Innovation Challenge.

- The Directorate honoured an invitation by the Student Representative Council, Tamale Campus to their welcoming of fresher's of during which Dr. Yeboah, the Director, delivered a speech on the topic: "Starting with the end in Mind".
- On January 18, 2022, The UDS Business Directorate in collaboration with the Agricultural Development Bank Ltd, Northern Area organized a seminar under the theme "ACCESSING FINANCE FOR BUSINESS".
- On February 10, 2022, staff of the UDS Business Directorate and staff of other Departments and Directorates of the University received a team from Youth Challenge International, a potential partner to the Business Innovation and Incubation Centre under the Business Directorate. The meeting was held in the Boardroom of the UDS Graduate School. Youth Challenge International gave an overview of what they do and elaborated on programme they wish to partner BIIC with.
- On 21st February, 2022, the Vice-Chancellor Business Innovation Awards Scheme 2022 was open for application.
- On Friday, March 25th, 2022, a meeting was held at the offices of the Business Directorate with the Campus Director for the Hult Prize, Tamale Campus Chapter, Miss Theodora who introduced the Hult Prize to the Directorate. Miss Theodora indicated that the Hult prize is a global foundation with its headquarters located in the United States of America. The main focus of the organization is to support students with innovative ideas. They do so by organizing competitions at the Campus level and the winners from each Campus will contest at a regional level. The winners will then proceed to an acceleration program, at the end of which they will compete with other winners from other region for the global prize. The winner will receive USD 1000 to support their business.
- On March 30, 2022, a team from USAID visited the office to discuss possible partnership on upcoming projects. The team included William (II) SEAS the project Director, Musah Salifu Taylor and Michelle Stern who are both Consultants.
- Kosmos Innovation Centre in collaboration of UDS Business Directorate lunched the Agritech Challenge Classic 2022 and called for applications from student and graduate to participate in the Challenge. The challenge seeks to identify young people from the age of 18 to 35 years who have interest in undertaking business in agriculture to be trained and given the required skills to do their business.
- On the April 11, 2022, information session for the 2022 Vice-Chancellor's Business Innovation Challenge was held. All Applicants who have been shortlisted gathered at the lecture theatre 3 of the Graduate School block. The purpose of this meeting was to afford the Directorate the opportunity to explain the entire concept of the challenge to the participants to enable them prepare adequately for the Pitching.
- On April 25, 2022 application for Agritech Challenge Classic was closed and Shortlisting processes began.

- The first pitching for the 2022 Vice-Chancellor Business Innovation was held on April 27 and 28 2022 for Tamale and Nyankpala Campus respectively. For Tamale 13 contestants presented their ideas and 22 participant also presented their Business ideas.
- Shortlisted applicant for the Agritech Challenge were interviewed at the office of the Business Directorate from May 9 to May 11 2022. The interview was conducted by UDS Business Directorate with panel members from Various Faculties of the University.
- On the May 12, 2022, a team led by the Director of the Business Directorate visited two production unit of the University to wit, Elite Water and Meat Unit under the Faculty of Agriculture Food and Consumer Sciences located at Nyankpala Campus of the University.
- The Team continued their visit to the UDS Basic School and School of Engineering Workshop all located at Nyankpala Campus of the University on the 16th May, 2022. The purpose of the visit was to introduce the Directorate to the staff and also ascertain some of the challenges they are facing as a unit.
- Orientation was held on the 17th and 18th of May 2022 at the Andani Academic Board Chamber for the participant of the Agritech Challenge classic 2022. The two-day event brought about 132 young and energetic graduates and students to learn about KIC Agritech challenge.
- Online training was organized for the contestants of the 2022 Vice-Chancellor's Business Innovation Challenge to train them on how to develop their businesses. Some of the areas treated were market research, Budgeting and five-year income statement projection and how to prepare and contest for pitching.
- The second pitching for the 2022 Vice-Chancellor's Business Innovation Challenge was held on the 8th and 9th of June, 2022 at Nyankpala and Tamale Campuses respectively. Contestant who qualified from the first pitching came to present their business ideas. The presentations were very competitive as compared to the first pitching this can be attributed to the numerous trainings the contestant went through before the pitching.

Vice-Chancellor's Business Innovation Awards 2022

- In 2020, the then Business Innovation and Incubation Centre (BIIC), which is now a department under the Business Directorate, instituted its flagship award scheme- the annual Vice-Chancellor's Business Innovation Award Scheme. This award scheme aims to identify viable business ideas among students and alumni and to provide technical and financial support to enable awardees to actualize their business concepts while contributing to job creation for the youth.
- This year's Awards took place on July 28, 2022 and was held under the theme '*Unearthing the potential of the youth for job creation and employment: the role of academic institutions*'. Unlike the previous years, the scope for 2022 was broadened to ensure more diversified entries to reflect the character of the University. Thus, the

award recognized any business innovation that our judges deemed worthy of support and

- The Special Guest for the event was Mrs. Salma Abdulai, CEO of Amaati Co. Ltd. and was chaired by Alhaji Saibu Braimah, the CEO of Tamanaa Co. Ltd. This year saw three ladies emerge as winners- Fuseini Hanatu Bawire. Nimatu Alhassan and Naa Ayeley Tagoe Somo.

Publications

Belko, S.

Yussif, A-M., **Belko, S.** and Oavare, P.P. (2022). CSR as an Elixir for Enhanced Corporate Image: Experiences from the University for Development Studies, Tamale and C.K. Tedam University of Technology and Applied Sciences, Navrongo, Ghana. *The International Journal of Humanities and Social Studies*, vol. 10, No. 6, pp. 54-61.

DIRECTORATE OF COLLEGES OF EDUCATION AFFILIATION

The Directorate is headed by a Director and situated at the City Campus. The Directorate oversee the running of six (6) Colleges of Education Affiliated to University for Development Studies, Tamale. The six (6) Colleges of Education are; Gambaga College of Education, St. Vincent College of Education, McCoy College of Education, Dambai College of Education, and Al-Faruq College of Education.

The Directorate sees to the effective running of the various Colleges of Education in terms of Teaching and Learning, organization of examinations. The Directorate goes around all the Colleges for coordination and monitoring of their policies to be in line with University for Development policies. University for Development Studies is awarding institution in compliance with the Ghana Tertiary Education Commission (GTEC) policies. The six colleges of Education obtain accreditation from the Ghana Tertiary Education Commission (GTEC) through University for Development Studies.

Also in collaboration with Transforming Teaching Education and Learning, (T-TEL) with the University for Development Studies. The T-TEL assist the Directorate in running of some activities such as; workshops, Seminars, capacity building for the six Colleges of Education Affiliated to UDS.

Staff

Name	Qualification	Rank/Position
Owusu-Sekyere, E	B.Ed. (UCC, Cape Coast, Gh), MPhil, PhD (Ghana), Dip.Cert. (Nazareth, Israel)	Ass. Professor/Director
Lazarus A. A.	HND, B.M.S, (UCC, Cape Coast, Gh.) M.phil. (UDS, Tamale, Gh)	Junior Assistant Registrar

The Directorate has six staff strength which include three senior staff and three Senior Members who oversee to the running of the Directorate. The Directorate has an Exams Officer a Lecturer at the Faculty of Education, a Chief Administrative Assistant, Chief Accounting Assistant and Assistant Transport Officer.

Activities

1. Conducting of Examinations
2. Supervision of Examination
3. Marking of Scripts
4. Moderation of Questions
5. Assessment/Promotion of Non-Teaching Staff
6. Assessment/Promotion documents of Tutors
7. Vetting of Questions papers and results
8. Organizing of workshops/seminars for Tutor, Principals and coordinators

First Conference Marking of First Semester Examination for First Year Students

A Conference marking of First Semester examination was held on June 5, 2022 for first year's students at the Directorate of Colleges of Education of Affiliation. The six (6) Colleges of Education Affiliated to UDS.

A short ceremony was organized by the Head of Examination of the Directorate to outline the roles and to welcome each College members for the conference marking.

The Tutors/examiners were taking through registration process by filling details of the college they are coming from and subject areas. The marking was supervised by the Subject Lead Team Leaders. Tutors of the various colleges cooperated very well throughout the process. Tutors/examiners were made to submit their scripts and results in a week time.

Subject Lead Team Meeting

The Subject Lead Team meeting held on Thursday, June 16, 2022 to discuss modalities of the conference marking and other matters related to the various Colleges of Education to ensure effective administering of examination process.

Second Conference Marking of First Semester for Second and Third Year Students

The Directorate organized conference marking for the Second and Third year students on Monday, June 20, 2022 for all the six (6) Colleges of Education, St. Vincent College of Education, Dambai College of Education, Gambaga College of Education, McCoy College of Education, and Al-Faruq College of Education.

Tutors/examiners of the six Colleges gathered at the Directorate to mark the First Semester Examination of the Second and Third year students. The conference marking took place on Monday, June 20, 2022 with the supervision of the Subject Lead Team members of the various subjects.

The marking ended successful at the Directorate, various tutors/examiners were given one-week period to return the marked scripts with results to the Directorate.

Submission of Mark Scripts/Results

The marked scripts/results of the six (6) Colleges of Education for the First Semester Examination for Second and Third Year Students was returned on July 1, 2022 to the Directorate.

Income Received from Colleges

The Directorate of Colleges of Education Affiliation received First Semester Examination fees for 2021/2022 academic year. The fees are seventy (70%) percent of Examination fees paid by the six (6) Colleges of Education, namely, Tumu College of Education, McCoy College of Education, Gambaga College of Education, Dambai College of Education, St. Vincent College of Education and Al-Faruq College of Education.

Publications

- Lydia Koyiga and **Owusu-Sekyere, E.** (2022). Disaster Governance in Ghana: Legislations, Policies and Missing Links. In: Jude (eds) *Disaster Management in Sub-Saharan Africa: Policies, Institutions and Processes*, 193–214. Published by Emerald Publishing under an exclusive licence doi:10.1108/978-1-80262-817-320221008
- Owusu-Sekyere, E.** and Twumasi Amoah, S. (2021). Urban Design, Space Economy and Survival in the City: Exploring Women's World of Work in Kumasi, Ghana, In (eds) *Sustainability in Urban Planning and Design*. IntechOpen.
- Owusu-Sekyere, E.,** Rolanda, M., Toku, A. (2022). Mapping the Realities of Waste Crime in Urban Ghana. *Ghana Social Science Journal*, 17(2) 104-128.
- Nantui Mabe, F., **Owusu-Sekyere, E.,** Oluyemi Adeosun, T. (2021). Livelihood coping strategies among displaced small scale miners in Ghana. *Resources Policy* 74 (2021) 102291
- Toku, A., Osumanu, I., K., **Owusu-Sekyere, E.,** Amoah, S., T., (2021). Conflicting urban land uses at the fringes: issues and experiences of peri-urban farmers in an urbanizing city in Ghana. *SN Soc Sci* doi.org/10.1007/s43545-021-0013

INSTITUTE FOR DISTANCE AND CONTINUING LEARNING (IDCL)

The University for Development Studies (UDS) Institute for Distance and Continuing Learning (IDCL) is located at the City Campus at Choggu-Mmanayili; a suburb of Tamale and is adjacent the Tamale Technical University (TaTU). The IDCL is the brain child of the immediate past Vice Chancellor, Prof. Gabriel Ayum Teye. It was established in 2016 with

an initial student population of Two Hundred and Ninety-One (291) in Five (5) Learning Centres and currently has Twenty (20) Centres in Seven (7) regions namely Northern, Bono, Savannah, Oti, Upper East, Upper West and North East with a total student population of Eight Thousand, Seven Hundred and Eighty-Three (8,783) as presented in the table below. As part of its mandate, the IDCL was established to provide quality tertiary education through distance learning to Ghanaians who for many reasons cannot directly access the traditional campus based (face-to-face) learning.

Student Population by Gender

Programme	Male	Female	Total
DIPLOMA IN BASIC EDUCATION (L100)	731	1357	2,088
DIPLOMA IN BASIC EDUCATION (L200)	1165	1260	2,425
BED BASIC EDUCATION L200 (Laddering)	468	743	1211
BED BASIC EDUCATION L300	330	550	980
BED BASIC EDUCATION L400 AND	314	246	560
BED EARLY CHILDHOOD CARE AND EDUCATION	293	538	830
PGDE	15	8	23
BED BUSINESS STUDIES (L300)	33	8	41
BED BUSINESS STUDIES (L400)	35	18	53
DIPLOMA IN AGRIC. TECH. (L100)	20	8	28
DIPLOMA IN AGRIC. TECH. (L200)	29	5	34
BSc. AGRIC. TECHNOLOGY (L200)	92	47	139
BSc. AGRIC. TECHNOLOGY (L300)	135	15	150
BSc. AGRIC. TECHNOLOGY (L400)	94	38	132
BCOM (L100)	10	10	20
BCOM (L200)	4	0	4
BCOM (L300)	48	48	76
BCOM (L400)	42	18	60
Grand Total	3,858	4,925	8,783

Student Population by Centre and Gender

Centre	Male	Female	Total
TAMALE	1,206	1,286	2,496
BIMBILLA	610	587	1,192
WA	431	550	976
YENDI	372	242	609
SAWLA	272	251	518
KPANDAI	228	122	345
CHINDERI	234	121	350
BUIPE	126	145	266
JIRAPA	105	154	254
SANDEMA	81	167	243
WALEWALE	136	99	230
BAWKU	77	145	216
NKWANTA	128	82	205

DAMANGO	150	49	194
NAKPANDURI	55	79	129
DABOYA	102	96	193
WENCHI	65	48	109
SALAGA	53	26	74
KPASSA	19	11	25
NAVRONGO	25	22	42
Grand Total	4,475	4,308	8,783

Staff

Name	Qualification	Rank/Position
Longi Felix, Y. T.	Ph.D., M.phil. (Ghana), BA, Dip. Ed (UCC, Cape Coast, Gh)	Snr. Lecturer, Director
Maxwell K. N.	Ph.D. (UK), M.phil., B.Ed., (UCC, Cape Coast, Gh)	Snr. Lecturer, Deputy Director.
Bawa, Judith A. K.	M.A. (Reading, UK), PGC (Nairobi, Kenya), Dip (Ghana)	Snr. Research Fellow
Winbilah, K. A.	BED, Dip.R/S, M.Phil., (UCC, Cape Coast, Gh)	Snr. Asst. Registrar
Atambeogo, S.	Dip, M.Phil., (UDS. Tamale, Gh), B. Ed, (UEW, Winneba, Gh)	Jnr. Asst. Registrar

Publications**Felix Longi Y. T. (PhD)****Books**

Mbowura C. K. & **Longi Felix Y. T.** 2021, *The Great and Magnificent Heritage: Themes in African Civilization*, WOELI PUBLISHING SERVICE, Accra.

Book Chapter(s)

Abdulai Abubakari & **Longi Felix Y. T.**, 2022, Border Controls and Cross-Border Movements of Fulani Herdsmen into the Upper East Region of Ghana: Implications for Security. In Steve Tonah (Ed) *Farmer Herder Relations in Ghana*, Research and Publications Unit, Department of Sociology, University of Ghana, Legon.

Longi Felix Y. T., Bolaji, M. A. H. & Mbowura C. K., 2021, Conflicting Claims over Land: The Land Factor in Conflicts in Northern Ghana. In Seidu M. Alidu, Awaisu I, Ibrahim & Cletus K. Mbowura (Eds) *Contemporary Issues in Ghana: Politics, Security, Conflicts and Identity*, WOELI PUBLISHING SERVICES, Accra, pp. 87-105.

David, S. Y. & **Longi Felix Y. T.**, 2022, Developing Alternatives: Citizens Perspectives on the Causes and Ramifications of the 2003 Conflict in Darfur. *International Journal of Conflict Management*, Vol. 3, No. 1. Pp. 42-60. Online www.carijournals.org.

Nyatsikor, M.K.**Books**

Abroampa, W.K., **Nyatsikor, M.K.**, Bediako, A., Nsenyiane, A. M. & Nyaaba, M. (2021).

Differentiated planning, learning and multimedia development for 21st- Century Teacher Education. P.K. Sarpong publications, ISBN: 978-9988-3-2428-5.

Journal Articles

Nyatsikor, M.K., Bediako, A., Iddrisu, A., & Gyilku, A.N., (2022). Mediating Role of Positive Emotions on Students' Self-Regulated Learning and Academic Achievement: A Case of Colleges of Education in the Bono Region, Ghana. *East African Journal of Education and Social Sciences* 3(3) pages 18-28, doi.org/10.4314/eajess.v3i3.175.

Nyatsikor, M.K., Abroampa, W.K. & Esia-Donkoh, K. (2021). The influence of school type on pupils' proficiency in selected school subjects: Implications for Curriculum implementation in Ghana. *Global Journal of Educational Research*, 20,1-16. doi: <https://dx.doi.org/10.4314/gjedr.v20i1.1>.

Sarah Atambeogo (MPhil)

Journal Articles

Atambeogo, S. & Seniwoliba, A. J. (2022), Street Trading and its Associated Risks in the Tamale Metropolitan area of the Northern Region, Ghana. *International Journal of Multidisciplinary Studies and Innovative Research*, Vol. 10, No 1, pp. 1371-1382.

INSTITUTE FOR INTERDISCIPLINARY RESEARCH (IIR)

The Institute for Interdisciplinary Research (IIR) is a Unit of the University for Development Studies (UDS) established in 1992. The Institute is mandated to undertake, applied, and action-oriented research that is directly related to the development and environmental needs of Northern Ghana and Ghana as a whole. As part of its mandate, the Institute is to facilitate the coordination of research and grants in the university. The Institute has three (3) Departments. They are: Research and Grants Support, Consultancy and Academic Services, and Evidence, Planning and Policy.

Staff

Name	Qualification	Rank/Position
Abduali, A.	B.A, M.Phil., Ph.D. (Ghana)	Senior Research Fellow/Director
Akudugu, M. A.	B.Sc. (Ghana), M.Phil., Ph.D. (UK)	Associate Professor/Deputy Director /HOD, Research and Grants Support
Abazaami, J.	B.A, M.Sc. (Ghana), Ph.D. (Germany)	Senior Research Fellow/HOD, Consultancy and Academic Services
Wumbei, A	B.Sc. (Ghana), M.Sc., Ph.D. (Belgium)	Research Fellow/HOD, Evidence, Planning and Policy
Yirnuo, T. J.	HND, BMS, B.Sc. (Ghana), MBA. (Switzerland), ChPA (Ghana)	Junior Assistant Registrar

The Institute has a staff strength of eleven (11). This is made of five (5) senior members, five senior staff (5), and one (1) junior staff.

Activities

During the period under review, the Institute performed the following activities:

1. January 26, 2022, facilitated a capacity-building workshop in research and grants support services organized by the Faculty of Biosciences for its RaGSU members.
2. February 1-2, 2022, organized the Annual Harmattan School under the theme: Education for National Development: The Role of Academia, Industry and Development Partners.
3. Held stakeholder engagement with some members of the university community indicated as follows to discuss the Institute's strategy to involve stakeholders to facilitate the coordination of research and grants in the university:
 - April 6, 2022, Faculty Research and Grants Coordinators.
 - May 5, 2022, Research and Grants Support Unit (RaGSU) Coordinators Schools/Faculty/Campus Officers, Accountants, and Auditors
 - July 20, 2022, Campus Principals, Deans/Directors, and their Deputies.
 - August 15, 2022. Management of the University.
 - March 8, 2022, held the Institute's 1st Board meeting.
 - May 24, 2022, held Institute's 2nd Board meeting.
 - August 30, 2022, organized a National Dialogue on Ethics in the Professions, Corruption and Sustainable National Development/Launch of Professional Short Courses on Ethics in Professions.
 - September 7-8, 2022, organized the 15th Annual Interdisciplinary Conference under the theme: Contemporary Global Crises: Threats and Opportunities for Research and Academic Freedom.

Publications

Abdulai Abubakari

Abubakari A. and Prah E. (2021). ICT: Breaking Barriers to Contraceptives Information and Usage among Adolescents in the Sunyani East Municipality, Brong Ahafo Region, Ghana. *European Journal of Technology*, 5(1),16-33.

Abubakari A. and Adu I. K. (2021). Factors Influencing Access and Utilization of Maternal Health Services in Berekum Municipality, Brong Ahafo Region, Ghana. *IOSR Journal of Nursing and Health Science*, 10(5), 5-15.

Abubakari A. (2021). Sociological Enquiry about Perceived Corruption in Health Facilities in the Tamale Metropolis of Ghana. *IOSR Journal of Humanities and Social Science*, 26(3), 16-24.

Sulemana T. and **Abubakari A.** (2021). Factors Influencing Households' Choice of School: Exploring the Contributions and Limits of Private Schools in Achieving Universal Basic Education in Techiman Municipality, Ghana. *Journal of Emerging Trends in Educational Research and Policy Studies*. 12(5), 203 -212.

- Iddrisu S. and **Abubakari A.** (2021). Examining ICT situation and its effects on studies among Pre-Tertiary Education Students in the East Mamprusi District of Northern Region, Ghana. *Journal of Emerging Trends in Educational Research and Policy Studies*. 12(5), 220-228.
- Bridget Daborikuu and **Abdulai Abubakari** (2022). Examining the Causes of Neonatal Mortalities in the Tamale Metropolis. *Asian Research Journal of Arts & Social Sciences*. 17(4): 1-9.
- Owen Akowan Jnr Ati and **Abdulai Abubakari** (2022). Workplace Bullying against Certified Registered Anaesthetists in the Tamale Metropolis in the Northern Region of Ghana. *Asian Research Journal of Arts & Social Sciences*. 17(3): 52-62,

Book Chapters

- Abubakari A** and Longi F. T. Y. (2022). Border Controls and Cross-Border Movements of Fulani Herdsmen into the Upper East Region of Ghana: Implications for Security. In Steve Tonah (ed) *Farmer-Herder Relations in Ghana*. Research and Publication Unit, Department of Sociology, University of Ghana Legon, 144-160.
- Abdulai Abubakari** (2022). The Integration and Adaptation of the Fulani in the West Mamprusi District of Northern Ghana. In Steve Tonah (ed) *Farmer-Herder Relations in Ghana*, Research and Publication Unit, Department of Sociology, University of Ghana Legon, 161- 184.

Akudugu, M.A.

Book

- Akuriba, M. A., **Akudugu, M. A.** & Alhassan A-R. (2021). *Agribusiness for Inclusive Economic Growth in Africa: Practical Models for Tackling Poverty*. Palgrave Macmillan. Hardcover ISBN: 978-3-030-88758-2 and eBook ISBN: 978-3-030-88759-9. Doi: <https://doi.org/10.1007/978-3-030-88759-9>.

Peer Reviewed Journal Articles

- Antwi-Boateng, O. & **Akudugu, M. A.** (2021). Movers, Motives and Impacts of illegal Small-Scale Mining: A Case Study in Ghana. *Perspectives on Global Development and Technology*, Vol. 46, Issue 1; pp. 135 – 167. Doi: <https://doi.org/10.1111/polp.12342>
- Akudugu, M. A.**, Salifu, M & Millar, K. K. (2021). Analysis of Irrigation Investments for Jobs and Wealth Creation in Northern Ghana. *Ghana Journal of Agricultural Economics and Agribusiness*, Vol. 3, Issue 1, pp: 76 – 101.

Conference

- Akudugu, M. A.** The 16th Africa Higher Education Centres of Excellence (ACE) I and 7th ACE Impact Workshops, as the M&E Officer of the West Africa Center for Water, Irrigation and Sustainable Agriculture (WACWISA), UDS. It was held in Cotonou, Benin from 14th – 17th June 2022.
- World Water Forum held at the **Abdou Diouf International Conference Center (CICAD)** in Dakar, Senegal under the theme, “Water Security for Peace and Development” from March 21 – 26, 2022.

Adeniran, A.O., Ayambila, S.N. and **Akudugu, M.A.** (2022). Land and Demographic Attributes of Dry Season Farming in Small Reservoir-Based Irrigation Systems in Ghana, presented at the Third International Conference on Irrigation and Agricultural Development (IRAD 2022), held under the theme, *“Mining, Water Resources Management and Environmental Sustainability in Africa: Opportunities and Challenges”* at the UDS International Conference Centre (UDSICC), Tamale from February 22 – 23, 2022.

Akudugu, M. A. The 15th Africa Higher Education Centres of Excellence (ACE) I and 6th ACE Impact Workshops, as the M&E Officer of the West Africa Center for Water, Irrigation and Sustainable Agriculture (WACWISA), UDS. It was held online from 9th – 11th November 2021.

The Annual Interdisciplinary Conference (AIC) of the Institute for Interdisciplinary Research of the University for Development Studies held under the theme: *“Life Beyond Crises”*, at the Nyankpala Campus of UDS, from September 1 – 2, 2021.

Akudugu, M. A. The 14th Africa Higher Education Centres of Excellence (ACE) I and 5th ACE Impact Workshops, as the M&E Officer of the West Africa Center for Water, Irrigation and Sustainable Agriculture (WACWISA), UDS. It was held online from 24th – 28th May 2021.

Projects

Under the period under review, I work on the following projects:

1. “Improved AgriFood Value Chains for Fortified Blended Flour: A Nutrient-Rich, Healthy Recipe for School & Household Meals in Ghana. A collaborative project by the University for Development Studies, Ghana, University of York, UK and the Savannah and Sahel Company Ltd, Ghana funded by UKRI/INNOVATE-UK/KTN” as the Lead Academic.
2. Development of Extension Regulatory Framework and Standards in Ghana funded by Ministry of Food and Agriculture/ Alliance for a Green Revolution in Africa (AGRA) as the Lead Consultant.
3. Preventing and Countering Violent Extremism in Northern Ghana through Awareness Creation: Leveraging on the Third Trimester Field Practical Programme (TTFPP) of UDS sponsored by Creative Associates International/USAID as the Monitoring and Evaluation Expert.
4. Understanding and measuring pregnancy-related anxiety in low- and middle-income contexts: A pilot study in northern Ghana sponsored by UKRI/MRC, UK as the Project Administrator.
5. Climate Resilience Across the Rural-Urban Continuum (RURBANCLIMATE) sponsored by DANIDA as an Academic.
6. West Africa Centre of Water, Irrigation and Sustainable Agriculture (WACWISA), a World Bank sponsored African Centre of Excellence as the Monitoring and Evaluation Coordinator.

Abazaami, J.

Santuah, N. F., **Abazaami, J.**, Millar, K. N.-D. & Amikuzuno, J. (2022). An overview of agricultural extension in Ghana and Burkina Faso and implications for sustainable agriculture in West Africa. *Journal of Agricultural Extension and Rural Development*. Vol. 14(3), pp. 113-119, July-September 2022. ISSN: 2141-2170.

Abazaami J., Anab C. & Santuah N.F. (2022). Farmer-led Research in the Quest for Climate Resilience: Promising Dreams, Bitter Challenges. *UDS International Journal of Development*. Vol. 9 (1), pp 821-841. August 2022. ISSN: 20265336.

Anab, C., **Abazaami, J.** & Achanso, S.A J. (2022). Preventing the Tragedy of the Emerging Mineral Resource Boom in Northern Ghana: What Role for Civil Society Organisations? *UDS International Journal of Development*. Vol. 9 (1), pp 781-801. August 2022. ISSN: 20265336.

Santuah, N.F., **Abazaami, J.** & Amikuzuno, J. (2022). Similar Differences or Different Similarities? Assessing Food Security Policies in Ghana and Burkina Faso through the Lens of Smallholder Farmers. *UDS International Journal of Development*. Vol. 9 (1), pp 802-820. August 2022. ISSN: 20265336.

Abazaami J. (2022). Synthesizing CARE Ghana's Evidence on Agriculture Collectives for Gender-Transformative Food Systems. *CARE Food and Water Systems*. Vol. 6 (1), pp. 1-20. <https://www.care.org/news-and-stories/resources/agriculture-collectives-in-ghana/>

Anab C., **Abazaami J.** & Achanso, S.A. (2021): Sustaining the Peace, Security and Stability in Northern Ghana: What Does it Take? *Journal of Education Review*, Vol. 13 No. 1 January-June, 2021. ISSN: 0975-4792.

Santuah, N. F., **Abazaami, J.**, Amikuzuno, J., & Millar, K. N.-D. (2021). Food security, where is the fifth dimension? A comparative analysis of the four dimensions food security framework from the lens of West African smallholder farmers. *Advance Publications*. <https://doi.org/10.31124/advance.16661446.v2>

Book

Millar, K. N., **Abazaami J.** & Aniah P. (2021). Climate, Livelihoods and People of the Kasena-Nankana Municipality and the Bongo District of Ghana. AIT Consult, Accra, Ghana. ISBN 978-9988-3-0347-1.

Conferences

1. Global Solutions Summit 2022 | “The World Policy Forum”. Organized by the Global Solutions Initiative Foundation gemeinnützige GmbH, Rudi-Dutschke-Straße 26, 10969 Berlin, Germany. It was held online on the 29th March 2022.
2. Virtual Future Medicine Round Table “Are we prepared for the next pandemic?”. Der Tagesspiegel and the Berlin Institute of Health at Charité (BIH), Berlin, Germany. It was held online on 4th November, 2021.
3. 50th Annual General Conference of the Ghana Institute of Planners (GIP). Organized by the Ghana Institute of Planners at the Ghana Institute of Management and Public Administration (GIMPA), Legon, Accra. 25 – 26 November, 2021.

4. Global Solutions Summit 2021 | "*The Great Realignment in a post-Covid world*" Organized by the Global Solutions Initiative Foundation gemeinnützige GmbH, Rudi-Dutschke-Straße 26, 10969 Berlin, Germany. It was held online from 27 – 28 May, 2021.
5. World Food Convention 2021 "*Science for the Society - How to secure food in a Sustainable way*" Organized by Verlag Der Tagesspiegel, Berlin, Germany. It was held online from 22 – 24 June, 2021.
6. The Annual Interdisciplinary Conference (AIC) of the Institute for Interdisciplinary Research (IIR) of the University for Development Studies held under the theme: "*Life Beyond Crises*", at the Nyankpala Campus of UDS, from September 1 – 2, 2021.

Projects

In the period under review, I worked on the following projects:

1. Final Evaluation of the "*Northern Ghana Governance Activity (NGGA)/ Agriculture Governance, Resilience and Economic Empowerment (AGREE) Project*". Research carried out in partnership with USAID, CARE, ActionAid, WANEP and SEND Ghana. I was the Lead Investigator in this assignment.
2. Final Evaluation of the "*Scaling-up Local Capacity to Innovate for Food and Nutrition Security*" Project (SULCI-FANS) in Ghana, Burkina Faso, Cameroon and Kenya. Research carried out in partnership with MISEREOR (Germany) and ACDEP (Ghana) and partners (in Burkina Faso, Cameroon and Kenya). I was the Co-Investigator in this assignment.
3. Research on the Nature and Severity of Modern Slavery in Ghana in the Bono, Oti, Upper West and Northern Regions of Ghana. Research carried out in partnership with the Norwegian Agency for Development Cooperation (NORAD) and ActionAid Ghana. I was the Co-Investigator in this assignment.
4. Research on existing Social Protection Schemes in the Upper West, Upper East and Northern regions of Ghana under the Northern Ghana Integrated Development Project (NGIDP). Research carried out in partnership with EU, ActionAid Ghana, TreeAid and URBANET. I was the Co-Investigator in this assignment.
5. Farmer-led Research on Climate Resilient Strategies in 15 Districts of Northern Ghana (Upper East, Upper West, Northern and Savannah regions) under the Northern Ghana Integrated Development Project (NGIDP). Research carried out in partnership with EU, ActionAid Ghana, TreeAid and URBANET. I was the Co-Investigator in this assignment.
6. Situation Assessment of Early Childhood Development in the Five Regions of Northern Ghana. *Research carried out in partnership with Children Believe, (Canada) and partners in Ghana.* I was the Co-Investigator in this assignment.
7. Case Study on Early Childhood Development for Children Believe West Africa (Burkina Faso and Ghana). Research carried out in partnership with Children Believe (Canada). I was the Co-Investigator in this assignment.
8. Mid-Term Evaluation of the "*Northern Ghana Integrated Development Project (NGIDP)*". Research carried out in partnership with EU, ActionAid Ghana, TreeAid and URBANET. I was the Lead Investigator in this assignment.

9. Baseline research in support of the “*Combating Modern Slavery in Ghana Project*” Research carried out in partnership with the Norwegian Agency for Development Cooperation (NORAD), ActionAid Ghana and partners. I was the Co-Investigator in this assignment.
10. Baseline research in support of the “*Climate Information Made Available for Entrepreneurial Farmers*” (CLIMATE) Project. Research carried out in partnership with Canadian Feed the Children (CFTC) and Partners in Ghana. I was the Lead Investigator in this assignment.
11. Baseline research in support of the “*Research for Development and Innovation Agriculture and Learning Project (ReDIAL)*” Project. Research carried out in partnership with the EU, Friends of the Nation (FoN, Ghana), Tropenbos Ghana and FRNR/KNUST. I was the Lead Investigator in this assignment.
12. Mid-Term Review of Country Strategy Papers of Ghana and Burkina Faso (2020-2022). Research carried out in partnership with Children Believe (Canada) and the Ghana and Burkina Faso Country Offices. I was the Co-Investigator in this assignment.
13. Final Evaluation of Community-based Malaria Control Project in Ghana. Research carried out in partnership with Comic Relief and ADDRO-Ghana. I was the Lead Investigator in this assignment.
14. Final Evaluation of “*Building the Agency of Girls and Young Women for Inclusive Leadership*” (PPL3) Project. Research carried out in partnership with ActionAid Ghana. I was the Co-Investigator in this assignment.

Wumbei, A.

- Wumbei A.**, Gautier S. K. N., Kwodaga J. K., Joseph D. F., and Galani Y. J. H. (2022). State of the Art of Yam Production. DOI: 10.5772/intechopen.106504
- Nanyim J. K., Gbeti C., Abubakari A., Issahaku A. R. and **Wumbei A.** (2022). An Evaluation of the CLTS Implementation Process from the Beneficiary Perspective: A Cross-sectional Study from the Bole District of the Savannah Region, Ghana. American Journal of Environmental Protection. Vol. 11, No. 2, 2022, pp. 39-46. doi: 10.11648/j.ajep.20221102.15.

Tamale Campus

5 Schools

2 Faculties

3 Centres/
Institutes

- School of Medicine
- School of Allied Health Sciences
- School of Nursing and Midwifery
- School of Public Health
- School of Pharmacy and Pharmaceutical Sciences
- Faculty of Education (FoE)
- Centre for Educational Innovation and Leadership (CEIL)
- Faculty of Sustainable Development Studies
- Centre for Peace and Security Studies
- Drylands Research Institute (DRI)



SCHOOL OF MEDICINE

During the period under review, the School continued to execute its mandate by undertaking activities including teaching, research and collaborations.

Philosophy and Mission

The Philosophy and mission of the School of Medicine (SoM) is anchored on the mandate, method of teaching, research and community work extension of the University for Development studies (UDS). The focus of the School of Medicine SoM is to achieve human development through the training of highly qualified health professionals who will be ready and willing to serve with zeal in deprived communities. In order to achieve this Philosophy and Mission, the School of Medicine (SoM) provides a learning model that develops health professionals who are able to tackle the challenges in the health delivery system to build healthy communities.

Departments under School of Medicine

There are twenty-one (21) Departments in School of Medicine SoM

- Department of Anaesthesiology and Intensive Care
- Department of Anatomy
- Department of Biochemistry and Molecular Medicine
- Department of Clinical Microbiology
- Department of Clinical Psychology
- Department of Community and Preventive Medicine
- Department of Ear, Nose and Throat
- Department of Family Medicine and Primary Health Care
- Department of Health Professions Education and Innovative Learning
- Department of Internal Medicine and Therapeutics
- Department of Medical Research and Innovation
- Department of Obstetrics and Gynaecology
- Department of Ophthalmology
- Department of Paediatrics and Child Health
- Department of Pathology
- Physician Assistant Studies
- Department of Physiology and Biophysics
- Department of Radiology
- Department of Chemical Pathology
- Department of Psychiatry
- Department of Surgery.

Student Population For 2021/2022 Academic Year by Gender

The population of the School of Medicine (SoM) during the 2021/2022 academic year was one thousand three hundred and thirty-two (1332). This was made up of eight hundred and sixty-six (866) male students and four hundred and sixty-six (466) female students.

Student Population, Year on Year

Year	Male	Female	Total
PBL1	174	84	258
PBL2	101	80	181
PBL3	103	53	156
PBL4	64	24	88
PBL5	105	50	155
PBL6	141	69	210
PA1	103	75	178
PA2	18	18	36
NA200	6	4	10
NA 300	27	8	35
NA 400	24	1	25
Total	866	466	1332

Office of the Dean

Staff

Name	Qualification	Rank/Position
Tabiri, S.	MD, PhD, PGCS, FACS, Med (Adm)	Professor/Dean
Helegbe, G.K.	BSc, MPhil, (Ghana) PhD (Nagada)	Vice-Dean/HoD
Boahene, E. B.	MFA (Sculpture), KNUST (Kumasi Gh), BA, Art, KUNST (Kumasi Gh), Dip-MMA, MIR (UK), Grad. Dip, CIAMC-G	Deputy Registrar
Lois L. D.	MPhil, UDS (Tamale, Gh.) Diploma, TaTU (Tamale, Gh.), BBA. VVU (Techiman, Gh.)	Jnr. Assistant Registrar

Publications

Tabiri, S

Karolin Kroese Appiah Ofori, Darling Ramatu Abdulai, Mark Monahan, Angela Prah, Tabiri, S. (2021). Community engagement and involvement in Ghana: Conversations with community stakeholders to inform surgical research. *Res Involve Engagem*. <https://doi.org/10.1186/s40900-021-00270-5>

James Glasbey, Victoria Adeyeye, Adesoji Ademuyiwa, Alisha Bhatt, Bruce Biccard, Jane Blazeby, Peter Brocklehurst, Sohini Chakrabortee, Jean De La Croix Allen Ingabire, Francis Moïse Dossou, Irani Durán, Rohini Dutta, Dhruv Ghosh, Frank Gyamfi, Parvez Haque and Tabiri, S., Donna Smith, Aneel Bhangu. (2021). Feasibility and diagnostic accuracy of Telephone Administration of an adapted wound heaLing QuestiONnaire for assessment for surgical site infection following abdominal surgery in low and middle-

income countries (TALON): protocol for a study within a trial (SWAT). *BMC*: 21;22(1):471.

GlobalSurg Collaborative and National Institute for Health Research Global Health Research Unit on Global Surgery. (2021). Global variation in postoperative mortality and complications after cancer surgery: a multicentre, prospective cohort study in 82 countries. *The Lancet*: 397, (102720): 387-397.

Abdul-Mumin A, Cotache-Condor C, Owusu SA, Grimm A, Mahama H, Wright N, Abantanga FA, Smith ER, Tabiri, S. (2021). Global Initiative for Children Surgery. A retrospective review of gastroschisis epidemiology and referral patterns in northern Ghana. *Pediatr Surg Int*. 2021 Aug;37(8):1069-1078. doi: 10.1007/s00383-021-04898-y.

GlobalSurg Collaborative. (2021). Mortality from esophagectomy for esophageal cancer across low, middle, and high-income countries: An international cohort study. *Eur J Surg Oncol* 47(6):1481-1488. doi: 10.1016/j.ejso.2020.12.006

Department of Anaesthesiology and Intensive Care

Staff

Name	Qualification	Rank/P
Issaka, A.	MD (Ankara University, TR), Cert. Thoracic Surgeon (Marmara University, Istanbul, TR), FGCS (GCPS, GH)	Senior Lecturer/ HoD
Yabasin, B. I.	PhD Anaesthesiology (China), M. Phil Anaesthesiology (China), BSc. (UDS, Tamale, Gh)	Lecturer
Bamaalobong, P. P.	MSc. Medical Physics (UK), Postgrad Dip, in Informatics (Cuba), MSc. Chemical Engineering (Cuba), Dip Military Training (Ghana)	Lecturer

Publications

Issaka Adamu

1. COVIDSurg Collaborative (2021). Effect of COVID-19 pandemic lockdowns on planned cancer surgery for 15 tumour types in 61 countries: an international, prospective, cohort study. *The Lancet Oncology*, 22(11), 1507-1517. [https://doi.org/10.1016/S1470-2045\(21\)00493-9](https://doi.org/10.1016/S1470-2045(21)00493-9)
2. COVIDSurg Collaborative, & GlobalSurg Collaborative (2021). SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study. *Anaesthesia*, 10.1111/anae.15563. Advance online publication. <https://doi.org/10.1111/anae.15563>.
3. COVIDSurg Collaborative, & GlobalSurg Collaborative (2021). Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study. *Anaesthesia*, 10.1111/anae.15560. Advance online publication. <https://doi.org/10.1111/anae.15560>.
4. Adjeso, T., Issaka, A., & Yabasin, I. B. (2021). Review of rigid esophagoscopy in a Tertiary Hospital in Ghana. *The Pan African Medical Journal*, 39, 64. <https://doi.org/10.11604/pamj.2021.39.64.25438>.

5. **Issaka, A.**, Adjeso, T., & Yabasin, I. B. (2021). Flexible bronchoscopy in Ghana: initial experience in a tertiary hospital. *The Pan African Medical Journal*, 38, 298. <https://doi.org/10.11604/pamj.2021.38.298.25833>.
6. COVIDSurg Collaborative, GlobalSurg Collaborative (2021). SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study. *The British journal of surgery*, znab101. Advance online publication. <https://doi.org/10.1093/bjs/znab101>.
7. COVIDSurg Collaborative, & GlobalSurg Collaborative (2021). Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study. *Anaesthesia*, 76(6), 748-758. <https://doi.org/10.1111/anae.15458>.
8. Bonaana G., Fuseini Y., **Issaka A.**, Akorli P., Abdulai A., Der E. (2021). Bilateral metastatic orbital neuroblastoma with unusual clinico-radiologic manifestation. *Journal of Medical and Biomedical Sciences*, 8(1), 8-11.

Conference Presentations

1. Mahamadu, W., Yabasin, I. B., **Issaka, A.** (2021). SS-75. Effects of Pain on Respiration After Thoracic Procedures at The Tamale Teaching Hospital. Proceedings of 24th Annual Conference Turkish Thoracic Society, 17-21 November, Antalya, Turkey. (Virtual oral presentation)
2. **Issaka, A.**, Arslan, S., Adjeso, T., Bostanci, K., Yüksel, M. (2021). PB-026. Surgical Management of Chest Trauma in A Developing Country: Initial Experience in Northern Ghana. Proceedings of Biannual 11th Turkish Thoracic Surgery Society Conference, 24-27 October, Antalya, Turkey. (Poster presentation)
3. Ampah A., Agyeman Y. N., Nukpezah N. R., Magdiel R. L., Ansah-Agyei D., Antwi K. F., **Issaka A.**, Yabasin I. B., Adjeso T (2021). Patients' knowledge and satisfaction with informed consent at Tamale Teaching Hospital. TTH clinical meeting. 6th October (Virtual presentation)
4. Adjeso, T., Dzantor. E., Agyeman, Y. N., Magdiel, R. L., Ansah-Agyei, D. A., Antwi, K. F., Yabasin, I. B., **Issaka, A.** (2021). Ear, Nose and Throat specialty as a career preference for medical students in Northern Ghana. Tamale Teaching Hospital (TTH) clinical meeting. 1st Sept (Virtual presentation).

Yabasin Baba Iddrisu

1. Ohene, B. E., **Yabasin, I. B.**, Xiao, J. X., Jian, H., Zhang, Q. H., & Yang, Z. Q. (2021). Asymptomatic Adult Type ALCAPA Syndrome Coexisting with Bicuspid Aortic Valve; A Case Report. *J Cardiol Cardiovasc Res*, 2(2), 1-6. [doi.org/10.37191/Mapsci-JCCR-2\(2\)-031](https://doi.org/10.37191/Mapsci-JCCR-2(2)-031).
2. Issaka, A., Adjeso, T., & **Yabasin, I. B.** (2021). Flexible bronchoscopy in Ghana: initial experience in a tertiary hospital. *The Pan African Medical Journal*, 38. doi: 10.11604/pamj.2021.38.298.25833.
3. Adjeso, T., Issaka, A., & **Yabasin, I. B.** (2021). Review of rigid esophagoscopy in a Tertiary Hospital in Ghana. *The Pan African Medical Journal*, 39. doi: 10.11604/pamj.2021.39.64.25438.
4. Sanches, J. G. P., Song, B., Zhang, Q., Cui, X., **Yabasin, I. B.**, Ntim, M., Xinlong, Li., Jiabei, H., Yao Z., Jun M., Ying Lu., & Li, L. (2021). The Role of KDM2B and EZH2 in Regulating

- the Stemness in Colorectal Cancer Through the PI3K/AKT Pathway. *Frontiers in oncology*, 11, 500. doi.org/10.3389/fonc.2021.637298
5. COVIDSurg Collaborative, & GlobalSurg Collaborative. (2021). Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study. *Anaesthesia*, 76(6), 748-758. doi.org/10.1111/anae.15458.
 6. COVIDSurg Collaborative, & GlobalSurg Collaborative. (2021). Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study. *Anaesthesia*, 76(11), 1454-1464. doi.org/10.1111/anae.15560.
 7. COVIDSurg Collaborative, & GlobalSurg Collaborative. (2021). SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study. *Anaesthesia*. doi.org/10.1111/anae.15563.
 8. COVIDSurg Collaborative, & GlobalSurg Collaborative. (2021). SARS-CoV-2 vaccination modelling for safe surgery to save lives: Data from an international perspective cohort study. *British Journal of Surgery*, 1 – 8. doi.org/10.1093/BJS/ZNAB101.
 9. Ohene, B. E., Bian, X., Jiang, X., He, J., Zhang, Q. H., Luan, **Yabasin I. B.**, & Tamatey, M. N. (2021). Diverticulum of Kommerell with Micro Aneurysm, an Aberrant Right Subclavian Artery and Ventricular Septal Defect in a 39 years Old Female: case report. *J Cardiol Cardiovasc Res*, 2(3), 1-6.

Conference proceedings

1. Mahamadu, W., **Yabasin, I. B.**, Issaka, A. (2021). SS-75. Effects of Pain on Respiration After Thoracic Procedures at The Tamale Teaching Hospital. Proceedings of 24th Annual Conference Turkish Thoracic Society, 17-21 November, Antalya, Turkey. (Virtual oral presentation)
2. Ampah A., Agyeman Y. N., Nukpezah N. R., Magdiel R. L., Ansah-Agyei D., Antwi K. F., Issaka A., **Yabasin I. B.**, Adjeso T (2021). Patients' knowledge and satisfaction with informed consent at Tamale Teaching Hospital. TTH clinical meeting. 6th October (Virtual presentation)
3. Adjeso, T., Dzantor. E., Agyeman, Y. N., Magdiel, R. L., Ansah-Agyei, D. A., Antwi, K. F., **Yabasin, I. B.**, Issaka, A. (2021). Ear, Nose and Throat specialty as a career preference for medical students in Northern Ghana. Tamale Teaching Hospital (TTH) clinical meeting. 1st Sept (Virtual presentation).

Bamaalobong P. Peter

1. **Bamaalobong, P. P.**, Asiedu, N. Y., Neba, F. A., Baidoo, F., & Addo, A. (2021). Theoretical formulations and simulations of one-dimensional inhibition kinetics of ethanologenic microorganisms in batch fermenters. *SN Applied Sciences*, 3(9), 1-16. <https://doi.org/10.1007/S42452-021-04771-6/TABLES/11>
2. **Bamaalobong, P. P.**, Sarfo-Antwi, F., & Malick, M. M. D. (2021). Dopamine Transporter Scan: Determining the Diagnostic Performance of Hermes Brain Registration and Analysis Software Suite with Parkinson Disease and Essential Tremor Disease Patients. *International Journal of Innovative Research in Medical Science*, 6(09), 530-540. <https://doi.org/10.23958/IJIRMS/VOL06-I09/1187>

3. Malick, M. M. D., Nyarko, E., & **Bamaalabong, P. P.** (2021). Role of Certified Registered Anesthetists (CRAs) in the Prevention and Management of Supine Hypotension during Cesarean Delivery under Spinal Anesthesia at the Tamale Teaching Hospital (TTH), Ghana. *International Journal of Innovative Research in Medical Science*, 6(11), 745-753. <https://doi.org/10.23958/IJIRMS/VOL06-I11/1237>
4. Terence, K. D., Malick, M. M. D., **Bamaalabong, P. P.** (2021). Assessing occupational health and safety among certified registered anesthetists at the tamale teaching hospital | *International Journal of Recent Scientific Research. International Journal of Recent Scientific Research*, 12(11), 43430-43437.
5. Asumadu, O. E., Kuugbee, E. D., **Bamaalabong, P. P.** (2021). The impact of Covid-19 on accessibility and quality of healthcare delivery in Asutifi South District (Hwidiem) in the Ahafo Region: Ghana. *International Journal of Innovative Research and Advanced*

Department of Anatomy

Staff

Name	Qualification	Rank/Position
Faakuu, E	B.Sc. (UDS, Tamale, Gh,) MPhil. (KNUST Kumasi, Gh)	Lecturer/Ag. HOD
Osabutey, K. E	B.Sc., MPhil., KNUST (Kumasi, Gh)	Lecturer/Sch. Exams officer
Tania, G. M	MD, Fellowship (Cuba)	Lecturer

Publications

Faakuu, E.

1. **Bimpong, S., Abaidoo, C. S., Faakuu, E., and Osabutey, E. K. (2021).** Relationship between Maternal Booking Visit Lipid Profile and Placental Morphometric Outcome in the Kumasi Metropolis, Ghana. *Open Access Library Journal*, 8(10), 1-14.

Osabutey, E. K.

1. **Osabutey, E.K. and Ba-Etilayoo, A. (2021).** Dermatoglyphic Patterns of Children with Special Educational Needs. *Int J Ant Res*;9(2)
2. **Bimpong, S., Abaidoo, C. S., Faakuu, E., and Osabutey, E. K. (2021).** Relationship between Maternal Booking Visit Lipid Profile and Placental Morphometric Outcome in the Kumasi Metropolis, Ghana. *Open Access Library Journal*, 8(10), 1-14.

Department of Biochemistry and Molecular Medicine

Name	Qualification	Rank/Position
Helegbe, G. K	BSc., MPhil. (Ghana), PhD (Nagasaki)	Asso. Professor/HOD
Dongdem, J. T.	BSc., MPhil. (Ghana), MPhil. PhD (Nottingham)	Senior Lecturer
Falagan, A. A.	MD, MSc. (Cuba)	Lecturer
Suurbaar, J.	BSc., MPhil. (UDS Tamale, Gh)	Lecturer
Frederick, S-A.	BSc., MPhil. (Ghana),	Assistant Lecturer
Anabire, N. G.	BSc.,(UDS,Tamale,Gh), MPhil. (Ghana)	Assistant Lecturer

Publications

Helegbe, GK

1. Ahenkorah B, Sakyi SA, **Helegbe G**, Owiredo EW, Fondjo LA, Ofosu W, Der EM, Amoani B, Larbi AA, Cheetham S, Arthur-Johnson P, Kwablah GJ, Gyan B. (2022). Foeto-maternal complications associated with low birth weight: A prospective multicenter study in northern Ghana. *PLoS One*. 17(4): e0266796. doi: 10.1371/journal.pone.0266796.
2. Nuerter BD, Addai J, Kyei-Bafour P, Bimpong KA, Adongo V, Boateng L, Mumuni K, Dam KM, Udofia EA, Seneadza NAH, Calys-Tagoe BN, Tette EMA, Yawson AE, Soghoian S, **Helegbe GK**, Vedanthan R. (2022). Home-Based Remedies to Prevent COVID-19-Associated Risk of Infection, Admission, Severe Disease, and Death: A Nested Case-Control Study. *Evid Based Complement Alternat Med*. 4559897. doi: 10.1155/2022/4559897.
3. Dongdem JT, **Helegbe GK**, Opare-Asamoah K, Wezena CA, Ocloo A. (2022) Assessment of NSAIDs as potential inhibitors of the fatty acid amide hydrolase I (FAAH-1) using three different primary fatty acid amide substrates in vitro. *BMC Pharmacol Toxicol*. 23(1):1. doi: 10.1186/s40360-021-00539-1.
4. Nyasulu PS, Weyer J, Tschopp R, Mihret A, Aseffa A, Nuvor SV, Tamuzi JL, Nyakarahuka L, **Helegbe GK**, Ntinginya NE, Gebreyesus MT, Doumbia S, Busse R, Drosten C. (2021). Rabies mortality and morbidity associated with animal bites in Africa: a case for integrated rabies disease surveillance, prevention and control: a scoping review. *BMJ Open*. 11(12): e048551. doi: 10.1136/bmjopen-2020-048551.

Dongdem, JT

1. Dongdem JT, **Helegbe GK**, Opare-Asamoah K, Wezena CA, Ocloo A. (2022) Assessment of NSAIDs as potential inhibitors of the fatty acid amide hydrolase I (FAAH-1) using three different primary fatty acid amide substrates in vitro. *BMC Pharmacol Toxicol*. 23(1):1. doi: 10.1186/s40360-021-00539-1.
2. **Dongdem JT**, Dawson SP, Layfield R. (2021). Modification of small ubiquitin-related modifier 2 (SUMO2) by phosphoubiquitin in HEK293T cells. *Proteomics*. 21(15): e2000234. doi: 10.1002/pmic.202000234.

Anabire, NM

1. Hoffmann-Veltung H, **Anabire NG**, Ofori MF, Janhmatz P, Ahlborg N, Hviid L, Quintana MDP. (2022). Analysis of allelic cross-reactivity of monoclonal IgG antibodies by a multiplexed reverse FluoroSpot assay. *Elife*. 11: e79245. doi: 10.7554/eLife.79245.
2. Ansah F, Suurbaar J, Darko D, **Anabire NG**, Blankson SO, Domson BKS, Soulama A, Kpasra P, Chirawurah JD, Amenga-Etego L, Kanyong P, Awandare GA, Aniweh Y. (2021). Development of Cooperative Primer-Based Real-Time PCR Assays for the Detection of *Plasmodium malariae* and *Plasmodium ovale*. *J Mol Diagn*. 23(10):1393-1403. doi: 10.1016/j.jmoldx.2021.07.022.

Suurbaar J

1. **Suurbaar J**, Moussiliou A, Tahar R, Olsen RW, Adams Y, Dalgaard N, Baafour EK, Adukpo S, Hviid L, Kusi KA, Alao J, Ofori MF, Ndam NT, Jensen AR. (2022). ICAM-1-binding Plasmodium falciparum erythrocyte membrane protein 1 variants elicits opsonic-phagocytosis IgG responses in Beninese children. *Sci Rep.* 12(1):12994. doi: 10.1038/s41598-022-16305-0.
2. Olsen RW, **Suurbaar J**, Jensen AR. (2022). Receptor Affinity-Based Purification of PfEMP1 Proteins. *Methods Mol Biol.* 2470:299-308. doi: 10.1007/978-1-0716-2189-9_22.
3. Olsen RW, **Suurbaar J**, Jensen AR. (2022) Affinity Purification of PfEMP1-Specific Antibodies from Human Blood. *Methods Mol Biol.* 2470:369-379. doi: 10.1007/978-1-0716-2189-9_27.
4. Olsen RW, **Suurbaar J**, Jensen AR. (2022). Production of anti-PfEMP1 Polyclonal Antisera in Rats and Mice. *Methods Mol Biol.* 2470:381-389. doi: 10.1007/978-1-0716-2189-9_28.
5. Olsen RW, **Suurbaar J**, Jensen AR. (2022). Analysis of Antibody Inhibition of PfEMP1 Binding by Competition ELISA. *Methods Mol Biol.* 2022;2470:485-491. doi: 10.1007/978-1-0716-2189-9_36.
6. Ansah F, Suurbaar J, Darko D, **Anabire NG**, Blankson SO, Domson BKS, Soulama A, Kpasra P, Chirawurah JD, Amenga-Etego L, Kanyong P, Awandare GA, Aniweh Y. (2021). Development of Cooperative Primer-Based Real-Time PCR Assays for the Detection of Plasmodium malariae and Plasmodium ovale. *J Mol Diagn.* 23(10):1393-1403. doi: 10.1016/j.jmoldx.2021.07.022.

Frederick, S-A

1. **Frederick Sarfo-Antwi**, Christopher Larbie, Benjamin Obukowho Emikpe and Regina Appiah-Openg (2021). Ethnobotany, Phytochemistry and Pharmacology of *Pericopsis laxiflora* (Baker) Meeuwen (Leguminosae) – A Review. *International Journal of Biochemistry Research and Review*, 30(2): 1-7. DOI: 10.9734/IJBCRR/2021/v30i230248
2. Bamaalabong P.P., **Sarfo-Antwi F.**, and Mumuni M. D. M., (2021). Dopamine Transporter Scan: Determining the Diagnostic Performance of Hermes Brain Registration and Analysis Software Suite with Parkinson Disease and Essential Tremor Disease Patients. *International Journal of Innovative Research in Medical Science*, 6(9).

Department of Clinical Microbiology

Staff

Name	Qualification	Rank/Position
Karikari, A. B.	BSc. (UCC, Cape Coast, Gh), MSc., PhD (KNUST, Kumasi, Gh)	Senior Lecturer/HoD
Walana, W.	BSc. (UCC, Cape Coast, Gh), MSc. (KNUST, Kumasi, Gh), PhD (Dalian, China).	Senior Lecturer
Vicar, E. K.	BSc. (KNUST, Kumasi, Gh), MPhil (KNUST, Kumasi, Gh)	Lecturer
Boakye, A. N.	BSc. (KNUST, Kumasi, Gh), MSc. (UG, Ghana)	Asst. Lecturer
Akwetey, S. A.	BSc., MPhil (UCC, Cape Coast, Gh.)	Asst. Lecturer

Publications

1. **Karikari AB**, Saba CK, Yamik DY. (2022). Reported Cases of Urinary Tract Infections and the Susceptibility of Uropathogens from Hospitals in Northern Ghana. *Microbiol Insights*;15:11786361221106109. doi: 10.1177/11786361221106109. PMID: 35769634;
2. **Karikari AB**, Kpordze SW, Yamik DY and Saba CKS (2022) Ready-to-Eat Food as Sources of Extended Spectrum b-Lactamase Producing Salmonella and E. coli in Tamale, Ghana. *Front. Trop. Dis.* 3:834048. doi: 10.3389/fitd.2022.834048
3. Saba CKS, Hussein H, Kpordze SW & **Karikari AB** (2022). Prevalence of methicillin-resistant *Staphylococcus aureus* on water closet seats in public washrooms in Tamale metropolis and Tolon district, Ghana. *Journal of Health and Environmental Sciences*.
4. **Karikari, A.B.**, Saba, C.K.S. and Kpordze, S.W. (2021.). Biotyping of Multidrug Resistant *Campylobacter jejuni* from Poultry and Humans in Northern Region of Ghana. *Open Journal of Medical Microbiology*, 11, 18-31. <https://doi.org/10.4236/ojmm.2021.111002>
5. **Karikari A. B.**, Saba, C. K. S., Yamik D. Y. (2021) Bacterial Resistance in Urinary Tract Infections: Multidrug Resistant ESBL Producing Gram Negative Uropathogens from Patients. In (ed) *Urinary Tract Infection and Nephropathy-Insights into Potential Relationship*. India: Intechopen. DOI: 10.5772/intechopen.98466. Available from: <https://www.intechopen.com/online-first/77066> (Book chapter).
6. Courage Kosi Setsoafia Saba, Joseph Nzeh, Francis Addy, **Akosua Bonsu Karikari**. COVID-19: Knowledge, Perceptions and Attitudes of Residents in the Northern Region of Ghana, West Africa. DOI: 10.20944/preprints202008.0060.v1
7. Al-Azab, M., **Walana, W.**, Wei, J., Li, W., Tang, Y., Wei, X., ... & Wang, B. (2021). TL1A/TNFR2 Axis Enhances Immunoregulatory Effects of Bone Marrow Derived Mesenchymal Stem Cell by Indian Hedgehog Signaling Pathway. *International Journal of Stem Cells*, 14(1), 58.
8. Idiiatullina, E., Al-Azab, M., **Walana, W.**, Pavlov, V., & Liu, B. (2021). EnDuo, a novel derivative of Endostar, inhibits the migration of colon cancer cells, suppresses matrix metalloproteinase-2/9 expression and impedes AKT/ERK activation. *Biomedicine & Pharmacotherapy*, 134, 111136.
9. **Vicar EK**, Acquah, S. E. K., Williams, W., Kuugbee, E. D., Saba, C. K. S., & Mensah, G.I.: Antibiotic Resistant Bacteria Infecting Wounds of Rural Community Dwellers in Northern Ghana. *European Journal of Medical and Health Sciences* 2021, 3(1):112-117.
10. Victoria Klutse, **Samuel Addo Akwetey**, Priscilla Abena Ankamaa Opare & Godwin KwakyeNuako. (2021). The Potential Risk of the Used *Thaumatococcus danielli* (Benn) Leaves in Food Packaging Process in Transmission of Antibiotic Resistant Pathogens in Ghana. *International Journal of Tropical Disease & Health*, 42(6): 17-26
11. John Alake, **Samuel A. Akwetey**, Wisdom Ahlidja, Francis A. Armah and Isaac Kingsley Amponsah. (2021). Indigenous knowledge affords antimicrobial plants for the management of infections. *International Journal of Tropical Disease & Health*, 42(3): 12-21. Doi: 10.9734/IJTDP/2021/v42i330441
12. Isaac Kyei Barffour, Roselind Kyei Baah, Augustine Suurinobah Brah, **Samuel Addo Akwetey**, Benjamin Aboagye, Desmond Omane Acheampong. (2021). Alkaloidal Extract *Carica papaya* seeds Ameliorates CCL4-induced Hepatocellular carcinoma in rats. *Heliyon*.

13. Isaac Kyei Barffour, Roselind Kyei Baah Kwarkoh, Ophelia Duke Arthur, **Samuel Addo Akwetey**, Desmond Omane Acheampong, Benjamin Aboagye, Augustine Brah Suurinobah, Isaac Kingsley Amponsah, Christian Adokoh (2021). Alkaloidal extract from *Zanthoxylum zanthoxyloides* stimulates insulin secretion in nicotinamide/streptozotocin-induced diabetic rats. *Heliyon*.
14. **Samuel A. Akwetey**, Ernest Oduro-Kwarteng, Priscilla Ocran, Kumi N. Anokye, Allswell Donkor, Priscilla A. Opere, Desmond O. Acheampong, Godwin Kwakye-Nuako (2021). Assessing the Bacteriological Quality of Potable Water Consumed in Cape Coast and Takoradi Metropolis, Ghana. *Microbiological Research Journal International*.
15. Mensah, G. I., **Boakye, A. N.**, Basingnaa, A., Owusu, E., Antwi-Baffour, S., Ofori, M. F., ... & Adekambi, T. (2021). Identification of Serum Cytokine Biomarkers Associated with Multidrug Resistant Tuberculosis (MDR-TB). *Immuno*, 1(4), 400-409.

Department of Clinical Psychology

Staff

Name	Qualification	Rank/position
Hoedoafia, R. E.	B.ED, (UCC, Cape Coast, Gh.), M.SC, (IPS, Arlington, USA.), Ph.D. (PUG, Rome, It.)	Lecturer/Head of Department Clinical Psychology
Amadu, P. M.	B.ED, (UCC, Cape, Coast, Gh., M.Phil., (UCC, Cape, Coast Gh.)	Assistant Lecturer

Department of Community Health and Preventive Medicine

Staff

Name	Qualifications	Rank/Position
Stephen, A.	B.Sc., (UDS, Tamale, Gh), M.Sc., (Pompeu Fabra, Bcelona, Spain), M.Sc., (Pompeu Fabra, Bcelona, Spain)	Senior Lecturer/HoD

Publications

1. Chirawurah, D., Santua, N., Apanga, S. (2022). Interactions Among Cross-Border Contiguous Communities and Implications for Managing Pandemics - The case of Ghana and Burkina Faso During the Ebola Outbreak in West Africa: A Qualitative Study. *Annals of Global Health*, 88(1), p.40.

Department of Family Medicine

Staff

Name	Qualification	Rank/Position
Rodrigues, C. Y. D.	MBChB (Havana School of Medicine, Cub). Specialist Family Medicine (Havana School of Medicine, Cub). Fellow GCP at the Division of Physician Gh)	Senior Lect/HoD
Emmanuel, V. A.	MBChB, CEMBA, MGCP	Lecturer

Department of Ear Nose and Throat

Staff

Name	Qualification	Rank/Position
Adjeso, T.	B.Sc., M.B.Ch.B. (KNUST, Kumasi, Gh), FGCS (GCPS, Accra, Gh)	Senior Lecturer/HOD
Labrada, R. M.	MD.(Cuba), Fellowship (Cuba)	Lecturer/Skills Coordinator
Ansah-Agyei, D. A	B.Sc., M. B.Ch. B (UG, Accra, Gh), DO- HNS (UK), MRCS (UK)	Assistant Lecturer/ Exam Off.
Antwi, K. F.	B.Sc. (UEW, Winneba, Gh), MSc (KNUST, Kumasi, Gh)	Assistant Lecturer

Publications

Journal Article

1. **Magdiel R. L.**, Sosa M. E., & Truffin H. R. (2022). Orientation of the student's self preparation in the ENT subject in fifth year of Medicine. *Edumecentro*.14: e2119
2. **COVIDSurg Collaborative and GlobalSurg Collaborative** (2021). SAR-CoV-2 infection and thromboembolism after surgery: an international prospective cohort study. *Anaesthesia*. <http://doi.org/10.1111/anae.15563>
3. **COVIDSurg Collaborative and GlobalSurg Collaborative** (2021). Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study. *Anaesthesia* doi:10.1111/anae.15560.
4. **Adjeso T.**, Adamu I., & Yabasin I. B. (2021). Review of rigid esophagoscopy in a Tertiary Hospital in Ghana. *Pan African Medical Journal*. 39:64. doi:10.11604/pamj.2021.39.64.25438
5. Appiah-Thompson P., Derkyi-Kwarteng L., & **Adjeso T.** (2021). Hypopharyngeal Schwannoma: A Case Report from Ghana. *Postgraduate Medical Journal of Ghana Vol 10* (1), 66-69.
6. **COVIDSurg Collaborative** (2021). UK Head and neck cancer surgical capacity during the second wave of the COVID-19 pandemic: Have we learned the lessons? *Clinical Otolaryngology*; Vol 46 (4), 729-735. <http://doi.org/10.1111/coa.13749>
7. **COVIDSurg Collaborative**. (2021). SAR-CoV-2 vaccination modelling for safe surgery to safe lives: data from an international perspective cohort study. *BJS* <https://academic.oup.com/doi/10.1093/bjs/znab101/6182412>

Department of Health Professions Education and Innovative Learning

Staff

Name	Qualification	Position
Mogre, V	BSc (UDS, Tamale, Gh), MHPE, PhD, (Maastricht, The Netherlands)	Associate Professor/ and HoD
Kpebu, S. E. A.	BA (Ghana), MPhil (Bergen, Norway)	Assistant Lecturer
Abugre, B. A	Bed (UDS, Tamale, Gh)	Senior Research assistant
Abdul-Majeed W. S.	BSc, Winneba; PDip, (UDS, Tamale, Gh)	Senior Admin. Assistant

Publications/Journal articles

Mogre, V

1. Amoores, B. Y., Gaa, P. K., Ziblim, S-D., & **Mogre, V.** (2022). Preparedness of medical students to provide nutrition care following a nutrition education intervention. PREPRINT (Version 2) available at Research Square. DOI: <https://doi.org/10.21203/rs.3.rs-1564360/v2>.
2. Kalog, G. L. S., Kasim, F., Anyebuno, B., Tei, S., Kubuga, C. K., **Mogre, V.**, & Aryee, P. A. (2022). Food advertisement influences food decision making and not nutritional status: a study among university students in Ghana. *BMC Nutr*, 8(1), 72. doi:10.1186/s40795-022-00571-2
3. Abdul-Mumin, A., Yakubu, R. C., Owusu, S. A., Kunfah, S. M. P., & **Mogre, V.** (2021). Screening for wasting and underweight in children aged 6-59 months presenting to the outpatients' clinic of a Tertiary Hospital: a retrospective study. *Health Sciences Investigations (HSI) Journal*, 2(2), 253-260.
4. Kumbiley J, Amalba A, Aryee PA, Azure SA, **Mogre V.** (2021). Determinants of Nutrition Care Practice by Midwives and Nurses in the Antenatal and Postnatal Care Settings: A Multi-Site Cross-Sectional Survey from Ghana. *Glob Pediatr Health*. Sep 28; 8: 2333794X211048382. doi: 10.1177/2333794X211048382. PMID: 34604461; PMCID: PMC8481714.

Department of Internal Medicine and Therapeutics

Staff

Name	Qualification	Rank / Position
Rivera, O H	MD, (Guantanamo Medical University, Cuba), MSc (Guantanamo Medical University, Cuba) FCCP (Cuba), FGCP (Ghana), Certificate of Leadership and Management in Health, (Washington University).	Senior lecturer/HOD
Akanbong, P	MBChB, Ghana, MGCP/Ghana	Senior lecturer
Braimah, B. A.	MBChB (UDS, Tamale, Gh), MGCP(Ghana), (Maastricht University)	Senior lecturer
Atik	MBChB (UDS, Tamale, Ghana) MGCP (Ghana), MHPE (Maastricht University)	Senior lecturer

Publications

1. **Dadzie E, Rebecca E., M, Quaye, Helegbe G., Ziekah, M., Y., Abubakari, B., B., Aniweh, Y., and Abdul-Karim, A. (2022)**, Prevalence of Plasmodium Species among Humans and Monkeys at Mole National Park in Northern Ghana *Austin Environ Sci* 7(1):1070
2. Nuertey, B., D., Ekremet, K., Abdul-Rashid H., Mumuni, K., Addai, J., Attibu, R., I., E., Damah, M., C., Duorinaa, E., Seidu, A., S., Adongo, V., C., Adatsi, R., K., Hisyovi C., S., Abdul-Karim K., A., **Abubakari, B., B.**, Weyori, E., E., Allegye-Cudjoe, A., S., Owusu, M., Odame, R., P., (2021), Performance of COVID-19 associated symptoms and temperature checking as a screening tool for SARS-CoV-2 infection. *PLoS ONE* 16(9): e0257450. <https://doi.org/10.1371/journal.pone.0257450>

Department of Medical Research and Innovation

Name	Qualification	Rank/Position
<i>Sam, N. B.</i>	<i>PhD (Anhui Medical University, Hefei, China), MSc (KNUST, Kumasi, Gh), BSc (UCC, Cape-Coast, Gh), HND (Takoradi Polytechnic, Takoradi, Gh)</i>	<i>Senior Lecturer /HoD</i>
<i>Bob Millar, G.</i>	<i>PhD-On-going (University of the Witwatersrand, Johannesburg, South Africa), MSc (Brunel University, West London, UK), BA (KNUST, Kumasi, Gh)</i>	<i>Lecturer</i>

Sam, N. B.

1. Zhu QQ, Wang J, **Sam, N.B.**, Luo J, Liu J, Pan HF. Factors Associated with Non-Adherence for Prescribed Treatment in 201 Patients with Multidrug-Resistant and Rifampicin-Resistant Tuberculosis in Anhui Province, China. *Med Sci Monit*, 2022; 28: e935334. DOI: 10.12659/MSM.935334.
2. Lan, YJ, **Sam N.B.**, Cheng, MH, Pan HF, Gao J. Progranulin as a Potential Therapeutic Target in Immune-Mediated Diseases. *J Inflamm Res.* 2021;14:6543-6556 <https://doi.org/10.2147/JIR.S339254>.
3. He YS, Wang GH, Wu ZD, **Sam N.B.**, Chen Y, Tao JH, Fang XY, Xu Z, Pan HF. Association between non-optimal temperature and hospitalizations for gout in Anqing, China: a time-series analysis. *Environ Sci Pollut Res Int.* 2021 Oct 1. doi: 10.1007/s11356-021-16580-w. Epub ahead of print. PMID: 34599442.
4. Ashuro, A.A., Fan, YG., Fu, YS., Di, DS., **Sam, N.B.**, Pan, HF. and Ye, DQ. 2021. The Effect of Rosuvastatin on plasma/serum levels of high sensitivity C-reactive protein, Interleukin-6 and D-dimer in people living with Human Immunodeficiency Virus: a systematic review and meta-analysis. *AIDS Research and Human Retroviruses*. DOI: 10.1089/AID.2020.0273.
5. Dan, YL., Zhao, CN., Mao, YM., Wu, Q., He, YS., Hu, YQ., Xiang, K., Yang, XK., **Sam, N.B.**, Wu, GC. and Pan, HF. 2021. Association of PER2 gene single nucleotide polymorphisms with genetic susceptibility to systemic lupus erythematosus. *Lupus*.961203321989794. doi: 10.1177/0961203321989794. Epub ahead of print. PMID: 33497301.

Research interests: Statistics, Biostatistics, Epidemiology, Propensity Score Matching, Time series, Meta-Analysis, Network Meta-Analysis, Multilevel/Longitudinal Models, Survival Analysis, Bayesian Analysis, Structural Equation Modelling, Data Visualization, Data Analysis, Data Science, Data Analytics and Data Envelopment Analysis.

Department of Obstetrics and Gynaecology

Staff

Name	Qualification	Rank/Position
Simono Ch, A.M.	MD (Guantanamo, Cuba), MSc (Guantanamo, University Cuba) University), Surgeons (FCCS), Leadership and management in Health certificate. University of Washington	Senior Lecturer/ HOD
Amoako, A. S.	MD (Volvograd University), Fellow (Moscow), Ph.D (Moscow)	Senior lecturer
Kolbilla Z, D.	MD (Ukraine University), Specialist in Obstetrics and Gynecology. (Kumasi). Fellow of WACS	Senior Lecturer
Munkaila, A.	MBChB (UDS, Tamale, Gh), MGCPS (Ghana), MHPE (Maastricht university). Specialist in Obstetrics and Gynecology. Member of Ghana College of Surgeons.	Senior Lecturer
Malechi, H.	MBChB (Ghana) Medical school	Lecturer

Publications:

1. Souseg, David., Simono Ch, A.M., et al (2021). Rupture Interstitial Ectopic Pregnancy at 18 weeks: How failure of Early Detention Resulted in a Maternal Near-Miss. Journal of Gynecology and Obstetrics (JGO). ISSN Print: 2376-7812; ISSN Online:2376-7820.
2. D Nepogodiev, JFF Simoes, E Li, M Picciochi, Simono Ch, A.M.et al (2021). GlobalSurg-CovidSurg Week: A global cohort study aiming to determine the timing to undergo surgery after a SARS-CoV-2 infection: an international prospective. The Authors. Anaesthesia published by John Wiley & Sons Ltd on behalf of Association of Anaesthetists. <https://globalsurg.org/publications>. <https://doi.org/10.1111/anae.15458>. ISSN0003-2409. eISSN1365-2044. Volume76. Pages748 – 758
3. NIHR Global Health Research Unit on Global Surgery, Birmingham, UK. COVIDSurg Collaborative and GlobalSurg. 2021). Collaborative Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study
4. Titigah, A.B., Simono Ch, A.M., Avosinge, A. (2021). Early Diagnosis and treatment of vesicouterine fistula using low-tech methos in low resource setting northern Ghana. A case report. Journal of gynecology & reproductive medicine 5(2):55-58: ISSN: 2576-2842
5. JJ Nutor, A Laar, RA Aborigo, H Malechi. et al (2021). Job satisfaction among healthcare workers in Ghana and Kenya during COVID-19 pandemic: Role of perceived preparedness, stress, and burnout. Journal Plos One. <https://doi.org/10.1371/journal.pgph.0000022>
6. Afulani, P. A., Gyamerah, A.O., Malechi. H., et al. (2021). Inadequate preparedness for response to COVID-19 is associated with stress and burnout among healthcare workers in Ghana. Journal Plos One. <https://doi.org/10.1371/journal.pone.0250294>
7. Sadat, S.A., Souseg, D. P., Munkaila, A., et al (2021). Giant Encapsulated Anterior Abdominal Wall Haematoma Complicating Mesh Incisional Hernia Repair: Challenges of Management in a High-Risk Term Pregnancy in a Low Resource. International Journal of Innovative Research in Medical Science (IJIRMS) Volume 06, Issue 01, January 2021, <https://doi.org/10.23958/ijirms/vol06-i01/1028>

8. Amoako, E.A., Kofi, S.A., Munkaila, A., et al. (2021). Income Level but Not Nutrition Knowledge Is Associated with Dietary Diversity of Rural Pregnant Women from Northern Ghana. *Journal of nutrition and metabolism*. Volume 2021. Article ID 5581445. <https://doi.org/10.1155/2021/5581445>
9. NIHR Global Research Health Unit on Global Surgery. (2021). Reducing surgical site infections in low-income and middle-income countries (FALCON): a pragmatic, multicentre, stratified, randomised controlled trial. *The Lancet*. <https://www.sciencedirect.com/journal/the-lancet/vol/398/issue/10312>

Department of Ophthalmology

Staff

Name	Qualification	Rank/Position
Bonsaana, G. B.	B.Sc., M.B.Ch.B. (Ghana), M.Med-Ophth. (Nairobi), FCOphth (E.C.S.A).	Senior Lecturer/HOD
Imoro, I.	Doctor of Optometry (Cape Coast), MSc (Norway)	Assist. Lecturer/Examination Officer

Publications

Journal Article

1. Casey A, Multiple Authors, Bonsaana G. B. (2022). Global Health Research Group on Children's Non- Communicable Diseases Collaborative. Impact of the COVID- 19 Pandemic on Patients with Paediatric Cancer in Low- Income, Middle- Income and High- Income Countries: A Multicentre, International, Observational cohort study. *BMJ Open* 12:e054690(4):1–12. doi: 10.1136/bmjopen-2021-054690.
2. Bonsaana, G. B., Fuseini, Y. H., Issaka, A., Abdulai, A. B., & Der, E. M. (2021). Bilateral Metastatic Orbital Neuroblastoma with Unusual Clinico- radiologic Manifestation. *Journal of Medical and Biomedical Sciences* 8(1) 8–11.

Research Interest Areas

1. Genetics of Retinoblastoma
2. Refractive errors of children

Department of Paediatrics and Child Health

Staff

Name	Qualification	Rank/Position
Abdul-Mumin, A	MD (Gazi, Ankara, TR), Cert Specialty-Paed (Haceteppe, Ankara, TR), APGD(JLI, Singapore),MSc (Memphis, USA) FGCP(Gh)	Associate Prof./HoD
Yakubu, R.C	MBChB (KNUST, Kumasi, Gh), MGCP (Gh), MWACP (Gh), FWACP (Gh)	Senior Lecturer
Owusu, S. A	MBChB (UDS, Tamale, Gh), APGD (JLI, Singapore), MGCP(Gh)	Lecturer
Bani, F	MBChB (UDS, Tamale, Gh) MGCP(Gh), MWACP(Gh)	Lecturer

Edenam, A. E	MBChB (UDS, Tamale, Gh) MGCP(Gh), MWACP(Gh)	Lecturer
Sánchez, D. O	MD (Villa Clara, Cuba) Cert Specialty-Paed (Villa Clara, Cuba), MS (Havana, Cuba)	Lecturer

Publications

Abdul-Mumin, A.

1. **Abdul-Mumin, A.**, Rotkis, L. N., Gumanga, S., Fay, E. E., and Denno, D. M. (2022). Could ultrasound midwifery training increase antenatal detection of congenital anomalies in Ghana?. *PloS one*, 17(8), e0272250.
2. Ajinkpang, S., Anim-Boamah, O., Bimpong, K. A., Kanton, F. J., Pwavra, J., and **Abdul-Mumin, A.** (2022). Sickle Cell Disease in Children: Knowledge and Home-Based Management Strategies among Caregivers at a Tertiary Facility in Northern Ghana. *BioMed research international*, 2022, 3384813.
3. Heuschen, A.K., **Abdul-Mumin, A.**, Adokiya, M. et al. (2022). Impact of the COVID-19 pandemic on malaria cases in health facilities in northern Ghana: a retrospective analysis of routine surveillance data. *Malar J* 21, 149.
4. Global Health Research Group on Children's Non-Communicable Diseases. Collaborative (with **Abdul-Mumin, A.**) (2022). Impact of the COVID-19 pandemic on patients with paediatric cancer in low-income, middle-income and high-income countries: a multicentre, international, observational cohort study. *BMJ Open* 12: e054690.
5. **Abdul-Mumin, A.**, Abubakari, A., Agbozo, F., Abdul-Karim, A., Nuerthey, B.D., Mumuni, K, et al.(2021) Field evaluation of specificity and sensitivity of a standard SARS-CoV-2 antigen rapid diagnostic test: A prospective study at a teaching hospital in Northern Ghana. *PLOS Glob Public Health* 1(12):e0000040.
6. Bimpong, K.A., Nuerthey, B.D., Seidu, A.S., Ajinkpang, S., and **Abdul-Mumin, A.** (2021). "Decline in Uptake of Childhood Vaccinations in a Tertiary Hospital in Northern Ghana during the COVID-19 Pandemic", *BioMed Research International*, vol. 2021.
7. **Abdul-Mumin, A.**, Yakubu, R. C., Owusu, S. A., Kunfah, S. M. P., & Mogre, V. (2021). Screening for wasting and underweight in children aged 6-59 months presenting to the outpatients' clinic of a Tertiary Hospital: a retrospective study. *Health Sciences Investigations (HSI) Journal*, 2(2), 253-260
8. **Abdul-Mumin, A.**, Bimpong, K.A., Owusu, S.A., and Kpiniong, M.J. (2021). Burden and outcomes of birth asphyxia in neonates admitted to the neonatal intensive care unit of the Tamale Teaching Hospital. *Postgraduate Medical Journal of Ghana*, 10(2), 119-125.
9. **Abdul-Mumin, A.**, Bimpong, K. A., Buunaaim, A. D. B.- ib, Cheyuo, E. K.-E., and Osman, K. A. (2021). Factors associated with birth injuries in neonates admitted to the neonatal intensive care unit: a retrospective study in a Ghanaian tertiary care setting. *Health Sciences Investigations (HSI) Journal*, 2(1), 196-201.
10. COVIDSurg Collaborative and GlobalSurg Collaborative (with **Abdul-Mumin, A.**) (2021). SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study. *Anaesthesia*.
11. Heuschen, AK., Lu, G., Razum, O., **Abdul-Mumin, A.**, Sankoh, O., Seidlein, L.V., D'Alessandro, U., and Muller, O. (2021). Public health-relevant consequences of the

COVID-19 pandemic on malaria in sub-Saharan Africa: a scoping review. *Malar J* 20, 339 (2021).

Research interests: Neonatal medicine, paediatric infectious diseases and global child health

Yakubu, R.C

1. **Yakubu, R.C.**, Ayi-bisah, N., and Nguah, S.B. (2022). Accuracy of weight Estimation in Children Using the Broselow, PAWPER XL, PAWPER XL-MAC, and Mercy Tapes. *Pediatric Emergency Care*.
2. Abdul-Mumin, A., **Yakubu, R. C.**, Owusu, S. A., Kunfah, S. M. P., & Mogre, V. (2021). Screening for wasting and underweight in children aged 6-59 months presenting to the outpatients' clinic of a Tertiary Hospital: a retrospective study. *Health Sciences Investigations (HSI) Journal*, 2(2), 253-260.

Research Interests: Paediatric asthma, paediatric emergency care, paediatric nutrition

Sanchez, D.O.

Research Interests: Paediatric nutrition, paediatric infectious diseases and paediatric nephrology

Owusu, S.A.

1. Abdul-Mumin, A., Yakubu, R. C., **Owusu, S. A.**, Kunfah, S. M. P., and Mogre, V. (2021). Screening for wasting and underweight in children aged 6-59 months presenting to the outpatients' clinic of a Tertiary Hospital: a retrospective study. *Health Sciences Investigations (HSI)Journal*,2(2),253-260.
2. COVID Surg Collaborative (**with Owusu S.A**). (2021) Impact of Bacillus Calmette-Guérin (BCG) vaccination on postoperative mortality in patients with perioperative SARS-CoV-2 infection, *BJS Open*, vol 5, Issue 6, zrab131.
3. Sylverken, J., Afari, P., Martyn-Dickens, C., **Owusu, S. A.**, Oppong, E., Akwetey, F., ... and Antwi, S. (2021). A typical Kawasaki syndrome in COVID-19 infection: a case report of a multisystem inflammatory syndrome in a child (MIS-C). *Ghana Medical Journal*, 55(2), 64-67.
4. Abdul-Mumin, A., Bimpong, K.A., **Owusu, S.A.**, and Kpiniong, M.J. (2021). Burden and outcomes of birth asphyxia in neonates admitted to the neonatal intensive care unit of Tamale Teaching Hospital. *Post graduate medical journal*, vol 10, No 1.

Research interests: Neonatal medicine, paediatric infectious diseases and global health

Bani, F.

Research interests: Paediatric oncology and haematology, and psychosocial Paediatrics

Edenam, A.E.

Research interests: paediatric nephrology, neonatal medicine, paediatric infectious disease, and global health.

Department of Pathology

Staff

Name	Qualification	Rank/Position
Der, E. M.	Bsc Human Biology (UDS Tamale, GH), MBChB (Tamale), MGCPs, Ghana), FWACP (Nigeria)	Associate Professor/ HOD

Publications

Prof. Edmund Muonir Der

1. Mohammed, A. L., Sumbo, N. R., & **Der, E. M.** (2022). Assessing the knowledge, attitude and practice of exclusive breastfeeding in the Nkwanta South Municipality. *World journal of advance healthcare research*. 6(7):18-26
2. Ahenkorah, B., Sakyi, S.A., Helegbe, G., Owiredun, E.W., Fondjo, L.A., Ofosu, W., **Der, E.M.**, Amoan, B., Larbi, A.A., Cheatham, S., Arthur-Johnson, P., Kwablah, J.G., & Gyan, B. (2022). Foeto-maternal complications associated with low birth weight: A prospective multicenter study in northern Ghana. *PLoS ONE* 17(4): e0266796
3. **Der, E.M.** (2022). The Prognostic Significance of the Size of Primary Malignant Breast Tumour in Ghanaian Women: A Retrospective Histopathological Review (2001-2014) in the Department of Pathology, Korle-Bu Teaching Hospital (KBTH). *West Afr J Med*. 39(2):198-203. PMID: 35279043.
4. Nyame, F. K. U., Otu, S. E., & **Der, E. M.** Anaemia in pregnancy: the prevalence and associated risk factors in the Nkwanta south Municipality of the Oti region of Ghana (2021) *World journal of advance healthcare research*. 5(5):26-36
5. Nang-Bayi, J., Wie, S.F., Siepaal, V., Kuufira, P. & **Der, E.M.** (2021) Factors Associated with Rising Trend in Teenage Pregnancy within the West Gonja Municipality of the Savannah Region of Ghana. *Open Journal of Obstetrics and Gynecology*, 11, 1273-1290. <https://doi.org/10.4236/ojog.2021.119119>
6. Adu-Kyere, D., Kwarase, R., & **Der, E. M.** (2021). Knowledge, Attitude and Perception towards contraception use among adolescents in the Bongo District of the Upper East Region of Ghana. *World journal of advance healthcare research*. 5(5):26-36
7. **Der, E.M.**, Gyasi, R.K., Naporo, S., Adu-Bonsaffoh, K., Alhassan A.R., & Seffah, J.D (2021). Trends in direct causes of maternal deaths as seen at the Korle-Bu Teaching Hospital Mortuary (1995 -2014): A retrospective autopsy study. *Postgraduate Medical Journal of Ghana*. 2(2).
8. **Der, E.M.**, Awal, S., & Sherif, M. (2021). Breast malignancies in Northern Ghana: A 7-year histopathological review at the Tamale Teaching Hospital (2013 - 2019). *Postgraduate Medical Journal of Ghana*. 2(2).
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10. Yenli, E. M., Bimpong, K. A., Salifu, N., Kwarteng, P. G., Cheyuo, E. K., Fuseini, Y. H., Anyekase, D.-D., Akorli, E., & Der, E. (2021). Infant Bladder Rhabdomyosarcoma in a Shared-Care Centre in Ghana: Case Report and Review of the Literature. *International Journal of Innovative Research in Medical Science*, 6(05), 351 - 355. <https://doi.org/10.23958/ijirms/vol06-i05/1122>

Department of Physician Assistant Studies

Staff

Name	Qualification	Position
Dun Bo-Ib Buunaaim	MMED, FCS (ECSA),	HOD
Alexis (Dr.)	FGCPS (Trauma/Orthopedics)	Senior Lect
Naab Alice	BMS UCC GH, MBA in Human Resource (CIAMC)	Principal Admin. Assist

Publications

Dr Alexis Dun Bo-Ib Buunaaim

1. **Buunaaim, A. D. B.**, Osman, I., Bukari, M.I.S., Asumah, H., Abanga, J.A. & Yempabe, T. (2021). Transverse acetabular and ipsilateral segmental femoral shaft fractures in a young male: rare case report. *EAJ*,15(2),117-122
2. Abdul-Mumin, A., Bimpong, K.A., **Buunaaim, A.D.B.**, Cheyuo, E.K.A. & Osman, K.A. (2021). Factors associated with birth injuries in neonates admitted to the neonatal intensive care unit: a retrospective study in a Ghanaian tertiary care setting. *HSI Journal*,2(1),196-201.
3. COVIDSurg., GlobalSurg Collaborative (**Buunaaim, A.D.B.**, (2021). SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study. *Anaesthesia*.
4. COVIDSurg., GlobalSurg Collaborative (**Buunaaim, A.D.B.**, (2021). Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery:an international prospective cohort study. *Anaesthesia*.
5. **Buunaaim.A.D.B.**, Seidu, A.S., Mohammed, I.S.B., Alatiga, J.A., Tano, K.E., Yempabe, T., (2021). Rising Trend of "Veil Entanglement Injuries" in Northern Ghana: A Case Series.*JOCR*:11(5),33-37.
6. Yempabe, T., Waliu J.S., **Buunaaim.A.D.B.**, Hussein, H., Mock.C.N., (2021). Epidemiology of Surgical Amputations in Tamale Teaching Hospital, Ghana. *JMBS*:8(1),34-43
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8. Amesiya, R., **Buunaaim, A.D.B.**, Nyati, M., Mwaka, E., Norbert, Orowtho., (2021). Giant Cell Tumour as the cause of an early Vertebra Plana. A Rare Case Report and Review of Literature.*JMBS*:7(1),31-34
9. Tano, E.K., Adu, E.J.K., Yiadom, J.B., **Buunaaim, A.D.B.**, (2021). The pattern of fingertip injuries in kumasi, ghana. *EAJ*:15(1),26-32

Student Population by Gender

Programme	Male	Female	Total
B.Sc. L 200	18	18	18+18
B.Sc. L 100	103	75	103+75
Grand Total	18+103	18+75	Sum(214)

Department of Physiology and Biophysics**Staff**

Name	Qualification	Rank/Position
Hernandez Gonzalez, R.C	B.Sc., (Santiago de Cuba, Cuba), M.Sc., (Guantánamo, Cuba), MD. Fellowship. , (Guantánamo, Cuba)	Lecturer/HoD
Anormah, B.R	Dip (Ghana), B.Sc. (UDS, Tamale, Gh), MPhil (Ghana)	Assistant Lecturer

Department of Clinical Psychology**Staff**

Name	Qualification	Rank/position
Hoedoafia, R. E	B.ED, (UCC, Cape Coast, Gh.), M.SC, (IPS, Arlington, USA.), Ph.D. (PUG, Rome, It.)	Lecturer/Head of Department Clinical Psychology
Amadu, P. M.	B.ED, (UCC, Cape, Coast, Gh.) M.Phil., (UCC, Cape, Coast Gh.)	Assistant Lecturer

Department of Psychiatry**Staff**

Name	Qualification	Rank/Position
Koomson, W.F.H.	B.Sc. (K.N.U.S.T., Kumasi, Gh) MBChB (K.N.U.S.T., Kumasi, Gh), Membership (Ghana College of Physicians and Surgeons (Psych)), Gh	HoD/Lecturer
Annan, S	B.Sc. (U.D.S., Tamale, Gh). MBChB (U.D.S., Tamale, Gh),. Membership (Ghana College of Physicians and Surgeons (Psych)), Gh	Lecturer

Publications:

1. World Health Organization (2022). Overview of the mental health system of Ghana, WHO-AIMS project 2020.
2. Daliri, D. et al (2022). Recurrent episodes of dissociative fugue with comorbid severe depression and alcohol dependence syndrome. Hindawi case reports in psychiatry

Department of Surgery

Staff

Name	Qualifications	Rank/Position
Yenli, E.M.T.	MBChB (Ghana), MGCS(Ghana), FGCS(Ghana), FICS	Senior Lecturer
Tabiri, S	MD, Kharkov-Ukraine, Certificate General Surgery (Kharkov), PhD, Kharkov-Ukraine, FGCS, FACS, Chicago, MEd Cape Coast, FWACS, Senegal,	Professor
Abantanga, F. A	MD,; Cert Paed Surg (Kharkov),; PhD (Moscow), ; FWACS, Cert Paed Surg (Halle); FGCS; FICS,	Professor
Kuubiere, C	FACH (Germany) FGCS	Assoc Prof
Buunaaim, A.D. B	Bsc., MBChB (Ghana) 2005, MMED, Makerere-Uganda, FCS (ORTHO) ECSA	Senior Lecturer
Issaka, A	MD (Ankara University), Ankara, Turkey, specialist in Thoracic surgery (Mamara University) Istanbul, Turkey, FGCS(Ghana)	Senior Lecturer
Kyereh, M	MBChB (Ghana), Post-Grad. Part II Surgery, FWACS	Senior Lecturer
Afoko, A. A	PhD, Moscow, Specilaist Cert. Urology, MD, Rostov Med. Univ.	Senior Lecturer
Muntaka Abdul-Jalil	MBChB (Ghana), MGCS, FGCS(Ghana)	Senior Lecturer
Adam, A.	FACH (Germany), FGCS(Ghana),	Senior Lecturer
Azahares, A.L.	MBChB (Cuba) , Specialist Paediatric Surgery, (Cuba)	Senior Lecturer
Bukari, M.I. S	Human Biology, (UDS Tamale Ghana), MBChB, (Ghana), MGCS	Lecturer
Calas R.A.R.	M.D(Cuba), Specialist colorectal surgery (Cuba)	Senior Lecturer

Yenli, E.M.T

1. Knight S.R., Qureshi A.U., Drake T. M., Lapitan M.C.M, Maimbo M., **Yenli E.**, Tabiri S., Ghosh D, Kingsley P.A., Sundar S., Shaw C., Valparaiso A.P., Bhangu A., Brocklehurst P., Magill L., Morton D.G., Norrie J., Roberts T.E., Theodoratou E., Weiser T.G., Burden S. & Harrison E. M. (2022) The impact of preoperative oral nutrition supplementation on outcomes in patients undergoing gastrointestinal surgery for cancer in low- and middle-income countries: a systematic review and meta-analysis. *Scientific Reports*, 12(1), 12456. Available at <https://www.nature.com/articles/s41598-022-16460-4>.
2. Sowerbutts, A. M., Knight, S. R., Lapitan, M. C. M., Qureshi, A. U., Maimbo, M., **Yenli, E. M. T.**, Tabiri, S., Ghosh, D., Kingsley, P. A., Sundar, S., Shaw, C. A., Valparaiso, A., Alviz, C. A., Bhangu, A., Theodoratou, E., Weiser, T. G., Harrison, E. M., & Burden, S. T. (2022) A Qualitative Exploration of Nutrition Screening, Assessment and Oral Support Used in Patients Undergoing Cancer Surgery in Low- and Middle-Income Countries. *Nutrients*, 14(4), 863.
DOI: <https://doi.org/10.3390/nu14040863> Available at <https://europepmc.org/article/med/35215513>.
3. **Yenli, E. M. T.**, Bimpong, K. A., Salifu, N., Kwarteng, P. G., Cheyuo, E. K., Fuseini, Y. H., Anyekase, D.-D., Akorli, E., & Der, E. (2021). Infant Bladder Rhabdomyosarcoma in a Shared-Care Centre in Ghana: Case Report and Review of the Literature. *International Journal of Innovative Research in Medical Science*, 6(05), 351-355. <https://doi.org/10.23958/ijirms/vol06-i05/1122>

4. **Yenli E.M.T.**, Amedor C, Acquah S. K., Gyamerah P.B., Salifu A, and Zeyeh D.E. (2021). "Microbial Isolates in Augmented Water Receptacles and Their Antimicrobial Susceptibility Pattern at the Tamale Teaching Hospital, Tamale, Ghana." *Journal of Medical and Biomedical Sciences* 8(1):18-33
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6. **COVIDSurg Collaborative and GlobalSurg Collaborative (2021b)**. "Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: An international prospective cohort study." *Anaesthesia*, n/a(n/a). DOI: 10.1111/anae.15560
7. **COVIDSurg Collaborative and GlobalSurg Collaborative (2021c)**. "SARS-CoV-2 Vaccination Modelling for Safe Surgery to Save Lives: Data from an International Prospective Cohort Study." *British Journal of Surgery* (znab101). doi: 10.1093/bjs/znab101.
8. **COVIDSurg Collaborative and GlobalSurg Collaborative (2021d)** "Timing of Surgery Following SARS-CoV-2 Infection: An International Prospective Cohort Study." *Anaesthesia* n/a(n/a). doi: <https://doi.org/10.1111/anae.15458>.
9. **GlobalSurg Collaborative (2021)**. Global variation in postoperative mortality and complications after cancer surgery: A multicentre, prospective cohort study in 82 countries. *The Lancet*, 0(0). [https://doi.org/10.1016/S0140-6736\(21\)00001-5](https://doi.org/10.1016/S0140-6736(21)00001-5)

Tabiri, S.

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3. Opare-Asamoah, K., Majeed, S., F., Owusu, O., A., Okyere, K., Abem, E., O., Wondoh, P., M., Kunfah, S., M., P., Fosu, S., E., Yorke, J., Yakong, V., N., Tabiri, S. (2022). The Prevalence and Risk Factors of Hepatitis B Virus Infection Among Dwellers in A Peri-Urban District of Ghana: A Cross-Sectional Study. *JMBS*. 8(2): 13-21.
4. Equitable access to quality trauma systems in Low- and Middle Income Countries: assessing gaps and developing priorities in Ghana, Rwanda and South Africa. *BMJ Global Health*, 7(4), e008256, 2022. doi:10.1136/bmjgh-2021-008256.
5. NIHR Global Research Health Unit on Global Surgery. (2022). Global guidelines for emergency general surgery: systematic review and Delphi prioritization process. *BJS Open*, 2022, zrac005. <https://doi.org/10.1093/bjsopen/zrac005>

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8. Gyamfi1, F., E., Yorke, J., Shaw., C., **Tabiri, S.** (2021). The impact of delays on the outcomes of emergency abdominal surgeries in Komfo Anokye Teaching Hospital, Kumasi, Ghana. *JMBS*. **8** (2): 8-17.
9. COVIDSURG collaborative. (2021). Early outcomes and complications following cardiac surgery in patients testing positive for coronavirus disease 2019: An international cohort study. *J Thorac Cardiovasc Surg.* <https://doi.org/10.1016/j.jtcvs.2021.03.091>. *J Thorac Cardiovasc Surg* 2021;:-e1-180022-5223/\$36.00.
10. COVIDSurg Collaborative. (2021). Preoperative nasopharyngeal swab testing and postoperative pulmonary complications in patients undergoing elective surgery during the SARS-CoV-2 pandemic. *Eur J Surg Oncol*. 2021 Jan; **47**(1): e4.
11. COVIDSurg Collaborative. (2021). Effect of COVID-19 pandemic lockdowns on planned cancer surgery for 15 tumour types in 61 countries: an international, prospective, cohort study. *Lancet Oncol* 2021 Nov;**22**(11):1507-1517. doi: [10.1016/S1470-2045\(21\)00493-9](https://doi.org/10.1016/S1470-2045(21)00493-9). Epub 2021 Oct 5.
12. COVIDSurg Collaborative. (2021). Machine learning risk prediction of mortality for patients undergoing surgery with perioperative SARS-CoV-2: the COVIDSurg mortality score. *BJS*, 2021, **108**, 1274–1292. *BJS*, 2021, **108**, 1274–1292. DOI: [10.1093/bjs/znac183](https://doi.org/10.1093/bjs/znac183).
13. GlobalSurgery Collaborative. (2022). Reducing surgical site infections in low-income and middle-income countries (FALCON): a pragmatic, multicentre, stratified, randomised controlled trial. *The Lancet*. Doi.org/[10.1016/S0140-6736\(21\)01548-8](https://doi.org/10.1016/S0140-6736(21)01548-8). doi: [10.1016/j.ejso.2020.11.021](https://doi.org/10.1016/j.ejso.2020.11.021).
14. COVIDSurg Collaborative and GlobalSurg Collaborative. (2021). ARS-CoV-2 infection and venous thromboembolism after surgery: international prospective cohort study. *Anaesthesia*. doi:[10.1111/anae.15563](https://doi.org/10.1111/anae.15563).
15. PaedSurg Africa Research Collaboration. (2021). Paediatric surgical outcomes in sub-Saharan Africa: a multicentre, international, prospective cohort study. *BMJ Global Health*. doi:[10.1136/bmjgh-2020-004406](https://doi.org/10.1136/bmjgh-2020-004406).
16. PaedSurg Research Collaboration. (2021). Mortality from gastrointestinal congenital anomalies at 264 hospitals in 74 low-income, middle-income, and high-income

- countries: a multicentre, international, prospective cohort study. *The Lancet*. DOI:[https://doi.org/10.1016/S0140-6736\(21\)00767-4](https://doi.org/10.1016/S0140-6736(21)00767-4).
17. COVIDSurg Collaborative and GlobalSurg Collaborative. (2021). Timing of surgery following SARS-CoV-2 infection: an international prospective cohort stud. *Anaesthesia*. doi:10.1111/anae.15458.
 18. Coidsurg collaborative. (2021). SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study. *BJs*. doi: 10.1093/bjs/znab101.
 19. GlobalSurg Collaborative. (2021). Feasibility and diagnostic accuracy of Telephone Administration of an adapted wound heaLing QuestiONnaire for assessment for surgical site infection following abdominal surgery in low and middle-income countries (TALON): protocol for a study within a trial (SWAT). *BMC*. <https://doi.org/10.1186/s13063-021-05398-z>.
 20. Kroese, K., Ofori, B., A., Abdulai, D., R., Monahan, M., Prah, A., Tabiri, S. (2021). Community engagement and involvement in Ghana: conversations with community stakeholders to inform surgical research. *BMC*. <https://doi.org/10.1186/s40900-021-00270-5>.
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 22. Abdul-Mumin, A., Cotache-Condor, C., Owusu, S. A., Grimm, A., Mahama, H., Wright, N., Abantanga, F. A., Smith, E. R., Tabiri, S. (2021). A retrospective review of gastroschisis epidemiology and referral patterns in northern Ghana. Vol.:(0123456789)1 3Pediatric Surgery International. *Pediatr Surg Int*. 2021 May 31. doi: 10.1007/s00383-021-04898-y. Epub ahead of print. PMID: 34059928.

Abantanga F.A

1. Francis A. Abantanga. Medical Education and Residency Training – The Need to Move with The Times. *PMJG*. Editorial; March 2022
2. Global PaedSurg Research Collaboration. Mortality from gastrointestinal congenital anomalies at 264 hospitals in 74 low-income, middle-income, and high-income counties: a multicentre, international, prospective cohort study. *The Lancet*. 2021; 398(10297); 325 – 339.
3. Alhassan Abdul-Mumin, Cesia Cotache-Condor, Sheila A. Owusu, Andie Grimm, Haruna Mahama, Naomi Wright, **Francis A. Abantanga**, Emily R. Smith, Stephen Tabiri. A retrospective review of gastroschisis epidemiology and referral patterns in northern Ghana. *Paed Surg Int*. 2021; 37:1069 – 1078
4. Adam Gyedu, Barclay Stewart Cameron Gaskill Emmanuella Salia Raymond Wadie Francis Abantanga, et al. A Nationwide Enumeration of Operations Performed for Pediatric Patients in Ghana. *Eur J Pediatr Surg* 2021; 31(02): 199-205 DOI: 10.1055/s-0040-1705130.
5. GlobalSurg Collaborative: Reducing surgical site infections in low-income and middle-income countries (FALCON): a pragmatic, multicentre, stratified, randomised controlled trial. *The Lancet* 2021; 395(Suppl 12). [http://dx.doi.org/10.1016/S0140-6736\(21\)01548-8](http://dx.doi.org/10.1016/S0140-6736(21)01548-8)

6. Paediatric Surgery Research Collaboration. Paediatric surgical outcomes in sub-Saharan Africa: a multicentre, international, prospective cohort study. *BMJ Global Health* 2021;6:e004406. Doi: 10.1136/bmjgh-2020-004406

Issaka A.

1. COVIDSurg Collaborative, & GlobalSurg Collaborative (2021). SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study. *Anaesthesia*, 10.1111/anae.15563. Advance online publication. <https://doi.org/10.1111/anae.15563>.
2. COVIDSurg Collaborative, & GlobalSurg Collaborative (2021). Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study. *Anaesthesia*, 10.1111/anae.15560. Advance online publication. <https://doi.org/10.1111/anae.15560>.
3. Adjeso, T., **Issaka, A.**, & Yabasin, I. B. (2021). Review of rigid esophagoscopy in a Tertiary Hospital in Ghana. *The Pan African medical journal*, 39, 64. <https://doi.org/10.11604/pamj.2021.39.64.25438>.
4. **Issaka, A.**, Adjeso, T., & Yabasin, I. B. (2021). Flexible bronchoscopy in Ghana: initial experience in a tertiary hospital. *The Pan African medical journal*, 38, 298. <https://doi.org/10.11604/pamj.2021.38.298.25833>.
5. COVIDSurg Collaborative, GlobalSurg Collaborative (2021). SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study. *The British journal of surgery*, znab101. Advance online publication. <https://doi.org/10.1093/bjs/znab101>.
6. COVIDSurg Collaborative, & GlobalSurg Collaborative (2021). Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study. *Anaesthesia*, 76(6), 748–758. <https://doi.org/10.1111/anae.15458>.
7. Bonsaana G., Fuseini Y., **Issaka A.**, Akorli P., Abdulai A., Der E. (2021). Bilateral metastatic orbital neuroblastoma with unusual clinico-radiologic manifestation. *Journal of Medical and Biomedical Sciences*, 8(1), 8-11.

Buunaaim A.D.B.

1. COVIDSurg., GlobalSurg Collaborative (**Buunaaim., A.D.B., (2021).** *SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study.* *Anaesthesia* 2021.
2. COVIDSurg., GlobalSurg Collaborative (**Buunaaim., A.D.B., (2021).** *Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study.* *Anaesthesia* 2021.
3. Arpi, M., Nayeri, N.D., Danzima, N.Y., Tabari, F., Buunaaim, A.D.B., Afoko, V., (2021). *A Heideggerian Phenomenological Study of the Lived Experiences of Ghanaian Patients Living with End-Stage Renal Disease.*
4. **Buunaaim.A.D.B.**, Seidu, A.S., Mohammed, I.S.B., Alatiga, J.A., Tano, K.E., Yempabe, T., (2021). *Rising Trend of "Veil Entanglement Injuries" in Northern Ghana: A Case Series.* *JOCR*:11(5), 33-37.

5. Yempabe, T., Waliu J.S., **Buunaaim.A.D.B.**, Hussein, H., Mock.C.N., (2021). *Epidemiology of Surgical Amputations in Tamale Teaching Hospital, Ghana*. JMBS:8(1),34-43
6. Baidoo, P.K., Kumah-Ametepey, R., Segbefia, M., **Buunaaim, A.D.B.**, (2021). *Treatment and outcomes of pediatric supracondylar humeral fractures in Korle Bu Teaching Hospital*. OTA International:4(2), e124
7. Amesiya, R., **Buunaaim, A.D.B.**, Nyati, M., Mwaka, E., Norbert, Orowtho., (2021). *Giant Cell Tumour as the cause of an early Vertebra Plana. A Rare Case Report and Review of Literature*. JMBS:7(1),31-34
8. COVIDSurg., GlobalSurg Collaborative (**Buunaaim., A.D.B.**, (2021). *SARS-CoV-2 vaccination modelling for safe surgery to save lives: Data from an international perspective cohort study*. BJS:2021,1-8
9. COVIDSurg., GlobalSurg Collaborative (**Buunaaim., A.D.B.**, (2021). *Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study*. Anaesthesia 2021.
10. Tano, E.K., Adu, E.J.K., Yiadom, J.B., **Buunaaim., A.D.B.**, (2021). *The pattern of fingertip injuries in kumasi, ghana*. EAOJ:15(1),26-32
11. Danzima, Y.N., Nayeri, N.D., Arpi, M., **Buunaaim.A.D.B.**, Tijani, A., (2021). *The Lived Experiences of Postpartum Women in Ghana Regarding Nursing Care During Childbirth and Their Concept of Care-A Phenomenological Study*. Research Square.

Afoko A.A.

1. **Afoko, A. A.**, Williams, H., Vivian, A., & Adams, Y. (2021). Fournier's Gangrene: Experience with Two Severe Cases. *Open Journal of Urology*, 11(7), 273-281. <https://doi.org/10.4236/oju.2021.117025>

Department Of Chemical Pathology.

Staff

Name	Qualification	Rank/Position
Dongdem, J. T.	BSc., MPhil (UG, Legon, Gh) MPhil, Ph.D. (UoN, Nottingham, UK),	Senior Lecturer/HoD

Chapters in Books

- Dongdem, J. T.** and Wezena, C. A. (2022). Functional Significance of the E3 Ubiquitin Ligases in Disease and Therapeutics. In: S. Haider, A.P.A. Haider, and A. Catala (Eds.). *Hydrolases*. IntechOpen. London. pp.137 – 152. <https://doi.org/10.5772/intechopen.100534>

Refereed Journal Publications

- Dongdem, J.T.**, Helegbe, G.K., Opare-Asamoah, K. and Ocloo, A. (2022). Assessment of NSAIDs as potential inhibitors of the fatty acid amide hydrolase I (FAAH-1) using three different primary fatty acid amide substrates in vitro. *BMC Pharmacol Toxicol.*, 23: 1(2022). <https://doi.org/10.1186/s40360-021-00539-1>

- Mishio, B.E., Mensah-Onumah, D., **Dongdem, J.T.** and Wezena, C.A. (2021). Prevalence, awareness and risk factors of hypertension among public sector workers aged 40 years and above in the Tamale metropolis of Ghana. *JAMMR.*, 33(17): 202 – 213.
- Dongdem, J.T.**, Dawson, S.P. and Layfield, R. (2021). Modification of small ubiquitin-related modifier 2 (SUMO2) by phosphoubiquitin in HEK293T cells. *Proteomics*, e2000234. <https://doi.org/10.1002/pmic.202000234>
- Dongdem, J.T.**, Simon P. Dawson and Layfield, R. (2021). Protein identification datasets generated in scaffold files (Version 1). *Zenodo*. <https://doi.org/10.5281/zenodo.4776429>
- Dongdem, J.T.**, Dawson, S.P. and Layfield, R. (2021). Phosphorylation-mediated regulation of ubiquitin recognition. *Biochemistry and Pharmacology Open Access*, 10 (1):05 Short communication. <https://www.longdom.org/abstract/phosphorylationmediated-regulation-of-ubiquitin-recognition-61411.html>

Conference Proceedings – National

- Dongdem, J.T.**, Abugri, J. and Asakedola, C.A. (2022). Microbial contaminants of poha beer: a local non-alcoholic beverage in the Bolgatanga municipality, Ghana. Presentation prepared for the '1ST GSA-Tamale On-Line Conference and Abstract Presentation' on The Role of Food Safety for Health in Tamale, Ghana. 25th August, 2022. p1
- Issah, A-H. G., Apiung, T., Genfi, A.K.A., Oware, S., Majeed, S.F., Oboako, I., Opore Asamoah, K., **Dongdem, J.T.**, Addy, F. and Wezena, C.A. (2022). Detection of useful HBV markers: implications for disease diagnosis. Presentation prepared for the '1st GSA Tamale On-Line

SCHOOL OF ALLIED HEALTH SCIENCES

The School of Allied Health Sciences (SAHS), formally known as the Department of Allied Health Sciences was carved out of the then School of Medicine and Health Sciences in the year 2015. In line with the University's mandate and its method of teaching, research and community work extension, the SAHS was established to run programmes focused on human development through the training of highly qualified health professionals who will provide the needed health services in deprived communities particularly to improve on quality of life. In line with its Philosophy and Vision, the SAHS provides an integrated approach to learning with the mission to develop health professionals who will play recognizable leading roles in building healthy communities. The core values that guide teaching, learning and research activities of SAHS are; Academic Services, Leadership, Discovery, Diversity and Engagement, Sustainability and Resourcefulness, Innovation, Efficiency and Effectiveness and Professionalism. SAHS expects that the adherence to these core values will produce graduates dedicated to health promotion and disease prevention in communities and population groups. Despite attending challenges within the local and global landscape, the SAHS is fulfilling its mandate, as evidenced by the visible presence of students in rural communities over the years.

International Collaborations/ Linkages

- Signed MoU with Catholic University of Applied Sciences, North Rhine Westphalia (KathO NRW) to harness their complementary resources and expertise to work together to develop and pursue cooperative activities considered to be of benefit to each party.
- UBCO Global Nursing Citizen's scholarship award for Graduate Students whose research area is in maternal and child health and community development (2 students from MChad awarded this year).
- Collaboration with the University of British Colombia (UBC), Okanagan for the past sixteen years. The trust of the collaboration is to enhance nursing education, capacity building and to offer exchange programmes.
- Signed MoU with the West African Postgraduate College of Medical Laboratory Science (WAPCMLS) to foster collaboration in training/research works of post-graduate students (MPhil and PhD) of either party.

Departments under SAHS

- Department of Nutritional Sciences
- Department of Biomedical Laboratory Sciences
- Department of Medical Imaging
- Department of Clinical Chemistry
- Department of Haematology

- Department of Immunology and Immunodiagnostics
- Department of Histology & Histotechnology
- Department of Infectious Diseases

SAHS Student Population by Programme and Gender

The School has a student population of Two Thousand Two Hundred and Twenty Seven (2,227) during the 2021/2022 academic year, consisting of One Thousand Two Hundred and Thirteen (1,213) males and One Thousand and Fourteen (1,014) females.

The detailed student population is shown in the Table below.

DEPARTMENTS	MALE	FEMALE	TOTAL
DEPARTMENT OF NUTRITIONAL SCIENCES			
B.Sc. Community Nutrition	172	524	696
BSc Dietetics	5	9	14
M.Phil./M.Sc. Public Health Nutrition	19	16	35
PhD Public Health Nutrition	2	3	5
DEPARTMENT OF BIOMEDICAL LAB. SCIENCES			
Doctor of Medical Lab. Science	908	403	1,311
M.Phil. Chemical Pathology	7	00	07
PhD Chemical Pathology	7	00	07
DEPARTMENT OF MEDICAL IMAGING			
B.Sc. Medical Imaging Technology	93	59	152
GRAND TOTAL	1,213	1,014	2,227

Office of the Dean

Staff

Name	Qualification	Rank/Position
Garti, H.	B.Sc., M.Sc. (KNUST, Kumasi, Gh), Ph.D. (Newcastle, Upon Tyne, UK)	Snr. Lecturer/Dean
Quaye, L.	B.Sc., M.Phil., Ph.D. (KNUST, Kumasi, Gh)	Snr. Lecturer/Vice-Dean
Antwi, E. A.	B.Ed., (UCC, Cape Coast, Gh), M.Phil. (UCC, Cape Coast, Gh), CMC, ChPA (CIAMC, Accra, Gh)	Snr. Asst. Registrar/ Faculty Officer

Department of Nutritional Sciences

Staff

Name	Qualification	Rank/Position
Wemakor, A.	BSc (UDS, Tamale, Gh), MSc (Ghent, Belgium), PhD (Jordanstown, United Kingdom)	Senior Lecturer/ Head of Department
Garti, H	BSc, MSc (KNUST, Kumasi, Gh), PhD (Newcastle Upon Tyne, United Kingdom)	Senior Lecturer/ Dean
Aryee, P. A.	BSc, MPhil (Ghana), MMedSc (Sheffield, United Kingdom), PhD (Southampton, United Kingdom)	Associate Professor
Saaka, M.	BSc (Ghana), MMedSc (Sheffield, United Kingdom), PhD (Perth, Australia)	Senior Lecturer

Kubuga, C. K.	BSc (UDS, Tamale, Gh), MSc (Ghent, Belgium), PhD (Michigan, United States of America)	Senior Lecturer/ School's TTFPP Coordinator
Suara, S. B.	BSc (UDS, Tamale, Gh), MSc (UDS, Tamale, Gh), PhD (Tehran, Iran)	Lecturer
Wiafe, M. A.	BSc (UDS, Tamale, Gh), MSc (KNUST, Kumasi, Gh), PhD (KNUST, Kumasi, Ghana)	Lecturer
Garti, H. A.	BSc (UDS, Tamale, Gh), MSc (Southampton, United Kingdom)	Lecturer
Abu, N.	BSc (UCC, Cape Coast, Gh), MSc (Ghana)	Lecturer/ Senior Hall Tutor
Atosona, A.	BSc (UDS, Tamale, Gh), MPhil (KNUST, Kumasi, Gh)	Lecturer
Kpewou, D. D. E.	BSc (UDS, Tamale, Gh), MPhil (KNUST, Kumasi, Gh)	Assistant Lecturer
Awuni, V.	BSc, MPhil (UDS, Tamale, Gh)	Assistant Lecturer
Kalog, G. L. S.	BSc (UDS, Tamale, Gh), MPhil (KNUST, Kumasi, Gh)	Assistant Lecturer
Hashim, A. M.	BSc (UDS, Tamale, Gh), MPhil (KNUST, Kumasi, Gh)	Assistant Lecturer
Gaa, P. K.	BSc (UDS, Tamale, Gh), MPhil (KNUST, Kumasi, Gh)	Assistant Lecturer
Ziyaaba, A.	BSc (UDS, Tamale, Gh), MSc (Ghana)	Assistant Lecturer
Adam, Y.	BSc (UDS, Tamale, Gh), MPhil (Ghana)	Assistant Lecturer
Luguterah, O.	HND (KTU, Kumasi, Gh)	Technician
Bukari, M.	BSc (UDS, Tamale, Gh)	Senior Research Assistant

Publications

Wemakor, A.

Wemakor, A., Ziyaaba, A., & Yiripuo, F. (2022). Risk factors of anaemia among postpartum women in Bolgatanga Municipality, Ghana. *BMC nutrition*, 8(1), 1-11.

Atosona, A., Ali, Z., Abubakari, A., **Wemakor, A.**, & Saaka, M. (2022). Dietary diversity and associated factors among pregnant women in urban Northern Ghana. *Annals of Medical Laboratory Science*, 2(2), 55-62.

Aryee, P. A.

Kalog, G. L. S., Kasim, F., Anyebuno, B., Tei, S. N., Kubuga, C. K., Mogre, V., & **Aryee, P. A.** (2022). Food Advertisement Influences Food Decision Making and not Nutritional Status: A Study among Students of the University for Development Studies, Tamale Campus.

Asaarik, M. J. A., Aladago, D. A., Boakye-Yiadom, A., Tanko, F., Fiavor, F., & **Aryee, P. A.** (2022). Determinants of Unmet Need for Family Planning Among Women in Fertility Age (15-49 Years) In the West Mamprusi District, Northern Ghana. *Scholars Journal of Science and Technology*, 3(2), 636-647.

Datuah, J. N., Aninanya, G. A., Habib, I., & **Aryee, P. A.** (2021). Socio-Demographic Correlates of Job Satisfaction Among Nurses and Midwives in Health Facilities in the Bole District of The Savannah Region, Ghana. *UDS International Journal of Development*, 8(2), 674-687.

Kumbiley, J., Amalba, A., **Aryee, P. A.**, Azure, S. A., & Mogre, V. (2021). Determinants of Nutrition Care Practice by Midwives and Nurses in the Antenatal and Postnatal Care Settings: A Multi-Site Cross-Sectional Survey from Ghana. *Global Pediatric Health*, 8, 2333794X211048382.

Saaka, M.

Saaka, M., Awini, S., & Nang, E. (2022). Prevalence and predictors of appropriate complementary feeding practice among mothers with children 6–23 months in Northern Ghana. *World Nutrition*, 13(2), 14–23.

Sulley, I., & **Saaka, M.** (2022). Relationship between caesarean section delivery and risk of overweight/obesity among children aged 6–23 months in the Tamale Metropolis of Ghana. *Journal of Nutritional Science*, 11, E43. doi:10.1017/jns.2022.39

Atosona, A., Ali, Z., Abubakari, A., Wemakor, A., & **Saaka, M.** (2022). Dietary diversity and associated factors among pregnant women in urban Northern Ghana. *Annals of Medical Laboratory Science*, 2(2), 55–62.

Kubuga, C. K.

Kalog, G. L. S., Kasim, F., Anyebuno, B., Tei, S. N., **Kubuga, C. K.**, Mogre, V., & Aryee, P. A. (2022). Food Advertisement Influences Food Decision Making and not Nutritional Status: A Study among Students of the University for Development Studies, Tamale Campus.

Suara, S. B.

Suara, S. B., Ziblim, S., Abukari, S., Sarpong, N. N., & Sulemani, H. B. (2022). Household Food Insecurity is a Predictor of Acute Malnutrition but Not Chronic Malnutrition among Children (6–59 Months Old): A Cross-Sectional in Tamale South Constituency. *South Asian Research Journal of Medical Sciences*, 4(2), 31–36.

Ziblim, S.-D., **Suara, S. B.**, & Adam, M. (2022). Sexual behaviour and contraceptive uptake among female adolescents (15–19 years): A cross-sectional study in Sagnarigu Municipality, Ghana. *Ghana Journal of Geography*, 14(1), 141–154.

Wiaafe, M. A.

Wiafe, M.A., Apprey, C. and Annan, R.A., 2022. Effectiveness of nutrition education and counselling programme on iron deficiency anaemia among adolescents: A study protocol of a randomized trial. *Nutrition and Health*, p.02601060221074433. <https://doi.org/10.1177/02601060221074433>

Atosona, A.

Atosona, A., Ali, Z., Abubakari, A., Wemakor, A., & Saaka, M. (2022). Dietary diversity and associated factors among pregnant women in urban Northern Ghana. *Annals of Medical Laboratory Science*, 2(2), 55–62.

Alidu, H. W., **Atosona, A.**, & Amidu, N. (2022). Relationship between dyslipidemia and sexual dysfunction among type 2 diabetics in Tema Metropolis of Ghana. *Annals of Medical Laboratory Science*, 2(1), 13–22.

Ziyaaba, A.

Wemakor, A., **Ziyaaba, A.**, & Yiripuo, F. (2022). Risk factors of anaemia among postpartum women in Bolgatanga Municipality, Ghana. *BMC nutrition*, 8(1), 1-11.

Kalog, G. L.

Kalog, G. L. S., Kasim, F., Anyebuno, B., Tei, S. N., Kubuga, C. K., Mogre, V., & Aryee, P. A. (2022). Food Advertisement Influences Food Decision Making and not Nutritional Status: A Study among Students of the University for Development Studies

Department of Biomedical Laboratory Sciences**Staff**

Name	Qualification	Rank/Position
<i>Bani, S. B.</i>	<i>B.Sc., PhD., (KNUST, Kumasi, Gh), M.Phil. (Ghana)</i>	<i>Lecturer/Coordinator Chief Research</i>
<i>Banyeh, M.</i>	<i>B.Sc., (KNUST, Kumasi, Gh), M.Sc (UK)</i>	<i>Assistant Lecturer</i>
<i>Rahamani, A. A.</i>	<i>B.Sc., (Ghana), MLS.D (UDS, Tamale, Gh), MPhil (KNUST, Kumasi, Gh)</i>	<i>Assistant Lecturer</i>

Publications**Bani, S.B.**

Dapare, P.P.M., Adams, Y., **Bani, S.B.**, Banyeh, M., Bawa, E.M. and Blankson, E.F., 2021. A comparative study of glycaemic variability using four different Point-of-Care Testing (POCT) devices. *Annals of Medical Laboratory Science*, 1(2), pp.1-8.

Banyeh, M., **Bani, S.B.**, Pathak, R., Yakubu, D.D., Amankwaah, E. and Ahmed, L., 2022. Sex estimation from the percutaneous lengths of the femur and the ulna in a Ghanaian population using discriminant function analysis. *Canadian Society of Forensic Science Journal*, pp.1-14.

Banyeh, M., Akilla, M.A., Adams, Y., Dapare, P.P., **Bani, S.B.** and Amegatcher, G., 2021. Neutrophil to Lymphocyte ratio versus Monocyte to Lymphocyte ratio in predicting hypertensive diseases of pregnancy. *Annals of Medical Laboratory Science*, 1(1), pp.8-17.

Amidu, N., Banyeh, M., **Bani, S.B.**, Adam, Y., Dapare, P.P.M. and Zogli, K.E., 2021. Models for predicting height from percutaneous lengths of the ulna and femur in a Ghanaian population. *Canadian Society of Forensic Science Journal*, 54(1), pp.49-60.

Adams, Y., Afoko, A.A., Amidu, N., Quaye, L., Dapare, P.P.M., **Bani, S.B.** and Afoko, V., Factors Associated with Improved Semen Characteristics Following Microsurgical Sub-inguinal Varicocelelectomy among Infertile Men in Tamale, Ghana.

Banyeh, M.

Banyeh, M., Abdulai, A.-R., Shittu, S. O., Eric Osei, E., Owusu Poku, E., & Adinyira Komla, A. (2022). Sex and height estimation using percutaneous ulna and tibia length in a Ghanaian population: New data and a test of published equations. *Forensic Science International: Reports*, 100284. doi:<https://doi.org/10.1016/j.fsir.2022.100284>

Banyeh, M., Amidu, N., Abdul-Wahab, D., & Zakaria, A.-S. (2022). Sexual Dimorphism and Sex-2D : 4D Interactions on Fasting Lipid Variables in an Adult Ghanaian

- Population. *Journal of Lipids*, 2022, 3303588. doi:10.1155/2022/3303588
- Banyeh, M.**, Yeboah, N.-A., Seidu, L., & Doglikuu, A. F. (2022). Sex estimation accuracies from variables of the index and ring fingers in a Ghanaian population: Absolute lengths versus length ratios. *Forensic Science International: Reports*, 100277.
- Abdulai, A.-R., **Banyeh, M.**, & Adams, Y. (2022). Models for estimating age and sex from variables of the proximal femur in a Ghanaian population. *Forensic Science International: Reports*, 100270.
- Adusu, S. J., **Banyeh, M.**, Tashie, W., & Shittu, S. O. . (2022). Neutrophil gelatinase-associated lipocalin and Endothelin-1 as markers for the onset and severity of preeclampsia. *Annals of Medical Laboratory Science*, 2(1). doi:10.51374/annalsmls.2022.2.1.0055
- Banyeh M.**, Amidu N. (2022). The relationship between the 2D:4D ratio and lateral preference in a Ghanaian population. *African Journal of Biological Sciences*, 4(2), 120-132. doi:10.33472/AFJBS.4.2.2022.120-132
- Banyeh, M.**, & Amidu, N. (2022). The association between the 2D: 4D ratio and offspring sex at birth: A cross-sectional study in Ghana. *American Journal of Human Biology*, e23744.
- Banyeh, M.**, Bani, S. B., Pathak, R., Yakubu, D. D., Amankwaah, E., & Ahmed, L. (2022). Sex estimation from the percutaneous lengths of the femur and the ulna in a Ghanaian population using discriminant function analysis. *Canadian Society of Forensic Science Journal*. doi:10.1080/00085030.2022.2028358
- Banyeh M.**, K. T., Zogli K. E., Seidu, M. (2022). Determinants of Voluntary HIV/ AIDS Counseling and Testing among University Students in Ghana. *Asian Journal of Advanced Research and Reports*, 16(1), 10. doi:10.9734/AJARR/2022/v16i130448
- Akilla, M. A., **Banyeh, M.**, & Amegatcher, G. (2022). Placental and Umbilical Cord Morphometry in Hypertensive Diseases of Pregnancy. *Placental and Umbilical Cord Morphometry in Hypertensive Diseases of Pregnancy*, 5(2).
- Amidu, N., **Banyeh, M.**, & Adusu, S. J. (2021). Correlation between maternal variables and the onset and severity of preeclampsia. *F1000Research*, 10(620), 620.
- Amidu, N., **Banyeh, M.**, Bani, S. B., Adam, Y., Dapare, P. P. M., & Zogli, K. E. (2021). Models for predicting height from percutaneous lengths of the ulna and femur in a Ghanaian population. *Canadian Society of Forensic Science Journal*, 54(1), 47-58.
- Banyeh, M.**, Akilla, M. A., Adams, Y., Dapare, P. P., Bannison, S. B., & Amegatcher, G. (2021). Neutrophil to Lymphocyte ratio versus Monocyte to Lymphocyte ratio in predicting hypertensive diseases of pregnancy. *Annals of Medical Laboratory Science*, 1(1), 8-17.
- Banyeh, M.**, Amidu, N., & Quaye, L. (2021a). The relationship between 2D: 4D ratio and postpartum adult female variables in a Ghanaian population. *American Journal of Human Biology*, e23680.
- Banyeh, M.**, Amidu, N., & Quaye, L. (2021b). The relationship between offspring's 2D: 4D ratio and postpartum maternal circulating testosterone, estradiol, and their indices in a Ghanaian population. *American Journal of Human Biology*, e23684.
- Banyeh, M.**, Amidu, N., & Quaye, L. (2021c). Second to fourth (2D: 4D) digit ratio and their relationships among a mother and child population in Ghana. *Scientific Reports*, 11(1), 1-11.
- Banyeh, M.**, & Zogli, K. E. (2021). The sensitivity and specificity of the total prostate-specific antigen test in prostate cancer screening: A Short report.

Dapare, P. P. M., Adams, Y., Bani, S. B., **Banyeh, M.**, Bawa, E. M., & Blankson, E. F. (2021). A comparative study of glycaemic variability using four different Point-of-Care Testing (POCT) devices. *Annals of Medical Laboratory Science*, 1(2), 1-8.

Banyeh M., Adda, B. G. (2021). Fire Incident Statistics in the Tamale Metropolitan Area in the Northern Region of Ghana: A Retrospective Study. *Asian Journal of Advanced Research and Reports*, 9(15).

Department of Medical Imaging

Staff

Name	Qualification	Rank/Position
Mumuni, A. N.	B.Sc. (UDS, Tamale, Gh), M.Sc. (University of Aberdeen, UK), Ph.D. (University of Glasgow, UK)	Snr. Lecturer/HoD
Alhassan, I. Z.	B.Sc. (UDS, Tamale, Gh), M.Sc. (KNUST, Kumasi, Gh),	Asst. Lecturer/Sch. Exam Officer
Manson, E. N.	B.Sc. (UDS, Tamale, Gh), M.Phil. (University of Ghana)	Asst. Lecturer
Barima, T.	B.Sc. (University of Ghana), M.Sc. (University of Ghana)	Asst. Lecturer
Abubakari, I. O. M.	B.Sc. (University of Ghana), M.Phil. (University of Ghana)	Asst. Lecturer
Sulemana, H.	B.Sc. (UDS, Tamale, Gh), M.Phil. (University of Ghana)	Asst. Lecturer
Ohemeng, E.	B.Sc. (University of Ghana), M.Sc. (Sheffield Hallam University, UK)	Asst. Lecturer
Brobbey, F. I.	B.Sc. (Catholic University, Sunyani, Gh), M.Sc. (University of Ghana)	Asst. Lecturer

Publications

Mumuni, A. N.

Mumuni, A. N. (2022). Becoming a qualified Medical Physicist in Ghana: the challenges and prospects. *Everyday Science for Schools Magazine of the Ghana Science Association*, 9(2), 18-20.

Barima, T.

Ohemeng, E., Ba-Etilayoo, A., **Barima, T.**, & Antwi, L. N. (2022). Assessment of attitudes and barriers of Ghanaian radiographers towards postgraduate radiography education. *British Journal of Healthcare and Medical Research*, 9(3), 181-1987.

Atinga, B. E., **Barima, T.**, & Sekyere, E. O. (2021). Bilateral ectopic kidneys presenting as lower abdominal pain. *Open Journal of Urology*, 11(11), 404-412.

Atinga, B. E., **Barima, T.**, & Tsibo, K. T. (2021). Heterotopic pregnancy (ruptured) with subchorionic bleeding: a case report. *Journal of Biomedical Engineering and Medical Imaging*, 8(5), 38-46.

Ohemeng, E.

Ohemeng, E., Ba-Etilayoo, A., Barima, T., & Antwi, L. N. (2022). Assessment of attitudes and barriers of Ghanaian radiographers towards postgraduate radiography education. *British Journal of Healthcare and Medical Research-Vol*, 9(3), 181-1987.

Department of Histology and Histotechnology

Staff

Name	Qualification	Rank/Position
Nkansah, D. O.	Dip. (ATU, Accra, Gh), B.Sc., (Ghana), M.Phil. (Ghana)	Lecturer/Ag. HoD
Abdulai, A-R.	Dip., M.Phil., (Ghana), B.Sc., (UDS, Tamale, Gh)	Assistant Lecturer

Publications

Nkansah, D. O.

Krings, A., Boateng, G., Dunyo, P., Amuah, J.E., Adams, R.A., Adunyame, L., **Nkansah, D.O.**, Wormenor, C.M., Hansen, B.T., Gedzah, I. and Asmah, R.H., (2019). Dynamics of genotype-specific HPV clearance and reinfection in rural Ghana may compromise HPV screening approaches. *Papillomavirus Research*, 7, pp.45-51.

Department of Infectious Diseases

Staff

Name	Qualification	Rank/Position
Mensah-Attipoe, I.	Dip. (ATU, Accra, Gh), B.E. (ANU, Koforidua, Gh), M.Phil. (Ghana)	Lecturer/Ag. HoD
Acquah, S. E. K	B.Sc., MPhil (KNUST, Kumasi, Gh)	Lecturer
Kangkpi, T.	B.Sc., MPhil (KNUST, Kumasi, Gh)	Lecturer
Osumanu Alhasan, H.	B.Sc., (Ghana), MPhil (Univ. of Western Australia, Perth,)	Asist. Lecturer

Publications

Mensah-Attipoe, I.

Mensah-Attipoe, I., Opintan, J. A., Newman, M. J., & Pappoe-Ashong, P. (2020). Molecular Characterization of Ciprofloxacin Resistant *Escherichia coli* from Ghana. *Journal of Advances in Microbiology*, 22-33.

Acquah, S. E. K.

Acquah, S.K.E., Asare, P., Osei-Wusu, S., Morgan, P., Afum, T., Asandem, D.A., Danso, E.K., Otchere, I.D., Ofori, L.A., Obiri-Danso, K. and Kock, R., 2021. Molecular epidemiology and drug susceptibility profiles of Mycobacterium tuberculosis complex isolates from Northern Ghana. *International Journal of Infectious Diseases*, 109, pp.294-303.

Yenli, E. M., Amedor, C., **Acquah, S. K.**, Gyamerah, P. B., Salifu, A., & Zeyeh, D. E. (2021). Microbial Isolates in Augmented Water Receptacles and their Antimicrobial Susceptibility Pattern at the Tamale Teaching Hospital, Tamale, Ghana. *Journal of Medical and Biomedical Sciences*, 8(1), 18-33.

Vicar, E. K., **Acquah, S. E. K**, Walana, W., Kuugbee, E. D., Saba, C. K. S, and Mensah, G. I (2021). Antibiotic Resistant Bacteria Infecting Wounds of Rural Community Dwellers in Northern Ghana. *European Journal of Medical and Health Sciences*, Vol. 3 No. 1, <https://doi.org/10.24018/ejmed.2021.3.1.678>

Department of Immunology and Immunodiagnostics

Staff

Name	Qualification	Rank/Position
Adams, Y	B.Sc., (UDS, Tamale, Gh) M.Phil (UG, Accra, Gh)	Lecturer/Ag. HoD
Antuamwine, B. B	B.Sc., (KNUST, Kumasi, Gh) M.Sc	Lecturer
Zogli, K. E.	HND, (ATU, Accra, Gh), MLS.D (UDS, Tamale, Gh)	Senior Research Assistant
Mohammed, T. M.	MLS.D (UDS, Tamale, Gh)	Senior Research Assistant

Publications

Adams, Y.

Adams Yussif, Afoko A.A., Amidu N., Quaye L., Bani S.B., Dapare P.P.M. and Afoko V. (2022) Effect of Varicocele on Gonadal Function among Patients Reporting with Sexual Dysfunction in Ghana. *Open Journal of Urology* 12(6), 305-330. <https://doi.org/10.4236/oju.2022.126031>

Adams Yussif, Robert Kofi Bugarh, and Dapare Peter Paul M. (2022) Clinical significance of body temperature in SARS-COV-2 positivity: A prospective study among travelers. *Annals of Medical Laboratory Science* 2(2), 45-54. <https://doi.org/10.51374/annalsmls.2022.2.2.0064>

Abdulai A.-R., Banyeh M. and **Adams Yussif** (2022) Models for estimating age and sex from variables of the proximal femur in a Ghanaian population. *Forensic Science International: Reports* 5100270. DOI: <https://doi.org/10.1016/j.fsir.2022.100270>

Adams Yussif, Afoko A.A., Amidu N., Quaye L., Dapare P.P.M., Bani S.B. and Afoko V. (2022) Factors associated with improved semen characteristics following microsurgical sub-inguinal varicocele among infertile men in Tamale, Ghana. *Asian Journal of Research and Reports in Urology* 5(1), 17-26.

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Afoko Akisibadek Alekz, **Yussif Adams** and Afoko Vivian (2021) Circumcision and meatal stenosis of boys with bladder/urethral stones in a hospital in Northern Ghana: Case series. *Asian Journal of Research and Reports in Urology* 4(4), 84-90.

Abukari S., Issah H., **Adams Yussif**, Zogli K.E. and Bonney P. (2021) Prevalence and Types of Sexual Dysfunction Among Female Medical Students. *Annals of Medical Laboratory Science* 1(2), 18-29. <https://doi.org/10.51374/annalsmls.2021.1.2.0039>.

Dapare Peter Paul M., **Adams Yussif**, Simon Bannison Bani, Moses Banyeh, Bawa E.M. and Blankson E.F. (2021) A comparative study of glycaemic variability using four different Point-of-Care Testing (POCT) devices. *Annals of Medical Laboratory Science* 1(2), 1-8. <https://doi.org/10.51374/annalsmls.2021.1.2.0037>.

Afoko Akisibadek Alekz, Hoyte Williams, Afoko Vivian and **Yussif Adams** (2021) Fournier's Gangrene: Experience with Two Severe Cases. *Open Journal of Urology* 11(7), 273-281. DOI: 10.4236/oju.2021.117025.

Moses Banyeh, Martin A. Akilla, **Adams Yussif**, Dapare Peter Paul M., and Simon Bannison Bani (2021) Neutrophil to lymphocyte ratio versus monocyte to lymphocyte ratio in

predicting hypertensive diseases of pregnancy. *Annals of Medical Laboratory Science* 1(1), 8-17. <https://doi.org/10.51374/annalsmls.2021.1.1.0014>.

Nafiu Amidu, Moses Banyeh, Simon Bannison Bani, **Yussif Adams**, Peter Paul M. Dapare and Kervin Edinam Zogli (2021) Models for predicting height from percutaneous lengths of the ulna and femur in a Ghanaian population. *Canadian Society of Forensic Science Journal* 54(1), 47-58. DOI: 10.1080/00085030.2021.1880725; Article no.JAMPS.62494. ISSN: 2394-1111.

Antuamwine, B. B.

Antuamwine B.B., Herchel E.D. and Bawa E.M. (2022) Comparative prevalence of hepatitis B virus infection among pregnant women accessing free maternal care in a tertiary hospital in Ghana. *PloS one* 17(3), e0263651.

Akilla M.A., Dapare P.P.M., Bawa E.M., **Antuamwine B.B.** and Awinibuno I.A.N. (2021) Placental Oxidative Stress in the pathogenesis of Hypertensive Disorders of Pregnancy. *Annals of Medical Laboratory Science* 1(2), 39-49. <https://doi.org/10.51374/annalsmls.2021.1.2.0041>

Department of Clinical Chemistry

Staff

Name	Qualification	Rank/Position
Dapare, P. P. M.	B.Sc., MPhil. (KNUST, Kumasi, Gh)	Lecturer/Coordinator
Amidu, N.	B.Sc., PhD (KNUST, Kumasi, Gh)	Professor
Quaye, L.	B.Sc., MPhil., PhD (KNUST, Kumasi, Gh)	Senior Lecturer
Idris, H. C.	BSc., (KNUST, Kumasi, Gh)	Senior Research Assistant

Publications

Dapare, P. P. M.

Adams Y., Afoko A.A., Amidu N., Quaye L., Bani S.B., **Dapare P.P.M.** and Afoko V. (2022) Effect of Varicocele on Gonadal Function among Patients Reporting with Sexual Dysfunction in Ghana. *Open Journal of Urology* 12(6), 305-330.

Adams Y., Afoko A.A., Amidu N., Quaye L., **Dapare P.P.M.**, Bani S.B. and Afoko V. (2022) Factors Associated with Improved Semen Characteristics Following Microsurgical Sub-inguinal Varicocele among Infertile Men in Tamale, Ghana. *Asian Journal of Research and Reports in Urology* 1(5), 17-26.

Adams Y., Bugah R.K. and **Dapare P.P.M.** (2022) Clinical significance of body temperature in SARS-COV-2 positivity: A prospective study among travelers. *Annals of Medical Laboratory Science* 2(2), 45-54.

Dapare, P. P. M., Adams, Y., Bani, S. B., Banyeh, M., Mishio Bawa, E., & Blankson, E. F. (2021). A comparative study of glycaemic variability using four different Point-of-Care Testing (POCT) devices. *Annals of Medical Laboratory Science* 1(2), 1-8.

Akilla, M. A., **Dapare, P. P. M.**, Mishio Bawa, E., Antuamwine, B. B., & Awinibuno, I. A. N. (2021). Placental Oxidative Stress in the Pathogenesis of Hypertensive Disorders of Pregnancy. *Annals of Medical Laboratory Science*, 1(2), 39-49.

- Amidu, N., Banyeh, M., Bani, S. B., Adam, Y., **Dapare, P. P. M.**, & Zogli, K. E. (2021). Models for predicting height from percutaneous lengths of the ulna and femur in a Ghanaian population. *Canadian Society of Forensic Science Journal*, 54(1), 47-58.
- Banyeh, M., Akilla, M. A., Adams, Y., **Dapare, P. P. M.**, Bannison, S. B., & Amegatcher, G. (2021). Neutrophil to Lymphocyte ratio versus Monocyte to Lymphocyte ratio in predicting hypertensive diseases of pregnancy. *Annals of Medical Laboratory Science*, 1(1), 8-17.
- Amidu, N.**
- Adams Y., Afoko A.A., **Amidu N.**, Quaye L., Bani S.B., Dapare P.P.M. and Afoko V. (2022) Effect of Varicocele on Gonadal Function among Patients Reporting with Sexual Dysfunction in Ghana. *Open Journal of Urology* 12(6), 305-330.
- Adams Y., Afoko A.A., **Amidu N.**, Quaye L., Dapare P.P.M., Bani S.B. and Afoko V. (2022) Factors Associated with Improved Semen Characteristics Following Microsurgical Subinguinal Varicocele among Infertile Men in Tamale, Ghana. *Asian Journal of Research and Reports in Urology* 1(5), 17-26.
- Alidu H.W., Atosona A. and **Amidu N.** (2022) Relationship between dyslipidemia and sexual dysfunction among type 2 diabetics in Tema Metropolis of Ghana. *Annals of Medical Laboratory Science* 2(1), 13-22.
- Banyeh M. and **Amidu N.** (2022) The association between the 2D: 4D ratio and offspring sex at birth: A cross-sectional study in Ghana. *American Journal of Human Biology* 23744.
- Banyeh M. and **Amidu N.** (2022) The relationship between the 2D: 4D ratio and lateral preference in a Ghanaian population. *African Journal of Biological Sciences* 4(2), 120-132.
- Banyeh M., **Amidu N.**, Abdul-Wahab D. and Zakaria A.-S. (2022) Sexual Dimorphism and Sex-2D: 4D Interactions on Fasting Lipid Variables in an Adult Ghanaian Population. *Journal of Lipids* 2022.
- Banyeh M., **Amidu N.** and Quaye L. (2022) The relationship between 2D: 4D ratio and postpartum adult female variables in a Ghanaian population. *American Journal of Human Biology* 34(4), e23680.
- Banyeh M., **Amidu N.** and Quaye L. (2022) The relationship between offspring's 2D: 4D ratio and postpartum maternal circulating testosterone, estradiol, and their indices in a Ghanaian population. *American Journal of Human Biology* 34(4), e23684.
- Alidu H., Luuse A.T., Abaka-Yawson A., Kwadzokpui P.K., Kortei N.K., Koryo-Dabrah A., Bawah A.T. and **Amidu N.** (2021) Menopausal Transition and Its Association With the Sexual Quality of Life of Male Partners.
- Amidu N.**, Banyeh M. and Adusu S.J. (2021) Correlation between maternal variables and the onset and severity of preeclampsia. *F1000Research* 10(620), 620.
- Banyeh M., **Amidu N.** and Quaye L. (2021) Second to fourth (2D: 4D) digit ratio and their relationships among a mother and child population in Ghana. *Scientific Reports* 11(1), 1-11.
- Amidu, N.**, Banyeh, M., Bani, S. B., Adam, Y., Dapare, P. P. M., & Zogli, K. E. (2021). Models for predicting height from percutaneous lengths of the ulna and femur in a Ghanaian population. *Canadian Society of Forensic Science Journal*, 54(1), 47-58.

Quaye, L.

- Acquah S.E.K., Asare P., Danso E.K., Tetteh P., Tetteh A.Y., Boateng D., Osei-Wusu S., Afum T., Ayamdooh Y.I., Akugre E.A., Samad O.A., **Quaye L.**, Obiri-Danso K., Kock R., Asante-Poku A. and Yeboah-Manu D. (2022) Molecular epidemiology of bovine tuberculosis in Northern Ghana identifies several uncharacterized bovine spoligotypes and suggests possible zoonotic transmission. *PLOS Neglected Tropical Diseases* 16(8), e0010649.
- Adams Y., Afoko A.A., Amidu N., **Quaye L.**, Bani S.B., Dapare P.P.M. and Afoko V. (2022) Effect of Varicocele on Gonadal Function among Patients Reporting with Sexual Dysfunction in Ghana. *Open Journal of Urology* 12(6), 305-330.
- Adams Y., Afoko A.A., Amidu N., **Quaye L.**, Dapare P.P.M., Bani S.B. and Afoko V. (2022) Factors Associated with Improved Semen Characteristics Following Microsurgical Sub-inguinal Varicocele among Infertile Men in Tamale, Ghana. *Asian Journal of Research and Reports in Urology* 1(5), 17-26.
- Banyeh M., Amidu N. and **Quaye L.** (2022) The relationship between 2D: 4D ratio and postpartum adult female variables in a Ghanaian population. *American Journal of Human Biology* 34(4), e23680.
- Banyeh M., Amidu N. and **Quaye L.** (2022) The relationship between offspring's 2D: 4D ratio and postpartum maternal circulating testosterone, estradiol, and their indices in a Ghanaian population. *American Journal of Human Biology* 34(4), e23684.
- Obirikorang C., Adu E.A., Acheampong E., Anto E.O., **Quaye L.**, Amoah B.Y., Annani-Akollor M.E., Kwakye A.S., Fokuoh F. and Appiah M. (2021) Interplay of Transcription Factor 7-Like-2 Polymorphisms with Type 2 Diabetes Mellitus in a Ghanaian Population.
- Obirikorang C., Adu E.A., Anto E.O., Acheampong E., **Quaye L.**, Amoah B.Y., Annani-Akollor M.E., Kwakye A.S., Fokuoh F. and Appiah M. (2021) Association between Transcription Factor 7-like-2 Polymorphisms and Type 2 Diabetes Mellitus in a Ghanaian Population. *Sci* 3(4), 40.
- Opere-Asamoah K., Koffuor G.A., Abdul-Mumin A., Sulemana B.M., Saeed M. and **Quaye L.** (2021) Clinical characteristics, medication prescription pattern, and treatment outcomes at the neonatal intensive care unit of a tertiary health-care facility in Ghana. *Journal of Research in Pharmacy Practice* 10(1), 30.

Department of Haematology**Staff**

Name	Qualification	Rank/Position
Acquah, S.E.K.	B.Sc., M.Phil., (KNUST, Kumasi, Gh)	Lecturer/Coordinator
Appiah K.S.	B.Sc., M.Phil., (KNUST, Kumasi, Gh)	Asst. Lecturer
Nkansah C.	B.Sc. (UCC, Gh), M.Phil. (KNUST, Gh)	Asst. Lecturer
Mensah K.	B.Sc. (UCC, Gh), M.Phil. (KNUST, Gh)	Asst. Lecturer
Daud S.	B.Sc. (UDS, Tamale, GH), M.Phil., (KNUST, Kumasi, Gh)	Asst. Lecturer
Abbam, G.	B.Sc., M.Phil., (KNUST, Kumasi, Gh), MBA IB (Amity, India)	Asst. Lecturer

Publications

Acquah, S.E.K.

Acquah, S. E. K., Asare, P., Danso, E. K., Tetteh, P., Tetteh, A. Y., Boateng, D., ... & Yeboah-Manu, D. (2022). Molecular epidemiology of bovine tuberculosis in Northern Ghana identifies several uncharacterized bovine spoligotypes and suggests possible zoonotic transmission. *PLoS Neglected Tropical Diseases*, 16(8), e0010649.

Appiah K.S.

Felix Osei-Boakye, Otchere Addai-Mensah, Michael Owusu, Abdul-Razak Saasi, **Samuel Kwasi Appiah**, Charles Nkansah, Yaw Amo Wiafe & Alexander Yaw Debrah (2022): Effect of pulmonary tuberculosis on natural anticoagulant activity in therapy-naïve Ghanaian adults; a case-control study. *Journal of Immunoassay and Immunochemistry*. DOI: 10.1080/15321819.2021.2001002

Nkansah C., Addai-Mensah O., Mensah K., Owusu M., Ephraim R.K.D., **Appiah K.S.** et al. (2021). Plasminogen activator inhibitor 1 in poorly controlled vs well controlled type-2 diabetes mellitus patients: a cross-sectional study in a district hospital in Ghana. *PLOS ONE*. 16(4): e0250090. doi.org/10.1371/journal.pone.0250090

Dorcas Serwaa, Folasade Adenike Bello, Kayode O Osungbade, Charles Nkansah, Felix Osei-Boakye, **Samuel Kwasi Appiah**, Maxwell Hubert Antwi, Mark Danquah, Tonnies Abeku Buckman, Ernest Owusu. (2021). Prevalence and determinants of low testosterone levels in men with type 2 diabetes mellitus; a case-control study in a district hospital in Ghana. *PLOS Global Public Health*; 1(12) e0000052

Nkansah C.

Nkansah C., Serwaa D., Osei-Boakye F. & Owusu-Ampomah R. (2022). Magnitude and trend of HIV and *Treponema pallidum* infections among blood donors in Offinso-North District, Ghana: a nine-year retrospective, cross-sectional study. *African Health Sciences*, DOI: 10.4314/ahs.v22i1.55

Osei-Boakye F., Addai-Mensah O., Owusu M., Saasi A-R., Appiah S. K., **Nkansah C.**, Wiafe A. Y. & Debrah Y. A. (2022). Effect of pulmonary tuberculosis on natural anticoagulant activity in therapy-naïve Ghanaian adults; a case-control study. *Journal of Immunoassay and Immunochemistry*, DOI: 10.1080/15321819.2021.2001002

Serwaa D., Bello A. F., Osungbade O. K., **Nkansah C.**, Osei-Boakye F, Appiah K. S., Antwi H. M., Danquah M., Buckman A. T. & Owusu E. (2021). Prevalence and determinants of low testosterone levels in men with type 2 diabetes mellitus; a case-control study in a district hospital in Ghana. *PLOS Global Public Health*, 1(12) e0000052

Serwaa D., Osei-Boakye F., **Nkansah C.**, Ahiatrogah S., Lamptey E., Abdulai R., Antwi H. M., Wirekoh Y. E., Owusu E., Buckman A. T. & Danquah M. (2021). Non-life-threatening adverse reactions from COVID-19 vaccine; a cross-sectional study with self-reported symptoms among Ghanaian healthcare workers. *Human Vaccines & Immunotherapeutics*, 17:11, 3881-3886, DOI: 10.1080/21645515.2021.1963600

Ephraim R. K. D., Duah E., **Nkansah C.**, Amoah S., Fosu E., Afrifa J., Botchway F., Okyere P., Essien-Baidoo S., Mensah K., Serwaa D., Asamoah SS, Adoba P., Linda .F., Ninnoni J.P., and Gyasi A.Y.B. Psychological impact of COVID-19 on diabetes mellitus patients in Cape Coast, Ghana: a cross-sectional study. *Pan African Medical Journal*, 2021;40(76). 10.11604/pamj.2021.40.76.26834

Mensah K.

Ephraim R. K. D., Duah E., Nkansah C., Amoah S., Fosu E., Afrifa J., Botchway F., Okyere P., Essien-Baidoo S., **Mensah K.**, Serwaa D., Asamoah SS, Adoba P., Linda A.F., Ninnoni J.P., and Gyasi A.Y.B. Psychological impact of COVID-19 on diabetes mellitus patients in Cape Coast, Ghana: a cross-sectional study. *Pan African Medical Journal*, 2021;40(76). 10.11604/pamj.2021.40.76.26834

SCHOOL OF NURSING AND MIDWIFERY

The School of Nursing and Midwifery (SoNM) was established in October 2020 following the restructuring of Faculties and Schools of the University. The School was carved out from the School of Allied Health Sciences. The School has the mandate to train mainstream nursing and midwifery professionals that would provide health services to deprived rural dwellers in particular to improve their wellbeing as well as the country and beyond.

International Collaborations/Linkages

The School has collaboration with the University of British Colombia (UBC), Okanagan, Canada and Pace University in New York, USA. The trust of the collaborations is to enhance nursing education, capacity building and to offer exchange programmes.

Workshops

The School organized workshops to train teaching staff in the following topics:

1. Ministry of Health Policies and Guidelines on Nursing and Midwifery Education and Practice
2. Data Management
3. Online teaching methodologies

Departments Under the SoNM

The School currently has **six (6) academic departments** namely:

1. Department of General Nursing
2. Department of Midwifery and Women's Health
3. Department of Paediatric Nursing
4. Department of Advanced Nursing Practice
5. Department of Preventive Health Nursing
6. Department of Mental Health Nursing

Student Population

The School had a student population of 5,489 for the 2021/2022 academic year which was made of 1,912 males and 3,577 females.

Student Population by Gender

Programme	Male	Female	Total
BSc. Nursing (Regular)	301	444	745
BSc. Nursing (Matured)	342	289	631
BSc. Nursing (Top-Up)	187	94	281
BSc. Nursing (Sandwich)	887	548	1435
BSc. Midwifery (Regular)	7	821	828
BSc. Midwifery (Matured)	20	298	318

BSc. Midwifery (Top-Up)	14	471	485
BSc. Midwifery (Sandwich)	28	523	551
BSc. Paediatric Nursing	42	78	120
BSc. Nurse Practitioner	84	11	95
Grand Total	1,912	3,577	5,489

Office of the Dean

Staff

Name	Qualification	Rank/Position
<i>Yakong, V. N.</i>	<i>RN (NTC, Bolgatanga, Gh), Dip. NP. (UDS, Tamale, Gh), BSN, MSN/Ph.D. (UBC, Okanagan, Canada)</i>	<i>Senior Lecturer/Dean</i>
<i>Nachinab, G. T.</i>	<i>RGN (NTC, Bawku), BSc. (UCC), MPhil (Ghana), PhD (South Africa)</i>	<i>Ag. Vice Dean</i>
<i>Mohammed A.</i>	<i>BA, MA (Ghana)</i>	<i>Senior Assistant Registrar</i>

There are also eight (8) Senior Staff (Administration) in the School.

Department of General Nursing

Staff

Name	Qualification	Rank/Position
<i>Nukpezah, R. N.</i>	<i>RN (NMTC, Tamale, Gh), Dip Nursing (UG, Legon, Gh), B.Sc. (UDS, Tamale, Gh), MHPE (Maastricht/Suez, Netherlands/Egypt), MN (UCC, Cape Coast, Gh), PG Pead. (PXL University, Belgium), Ph.D. (TUMS, Iran)</i>	<i>Senior Lecturer/HoD</i>
<i>Lakpab, J.</i>	<i>RN (NTC, Bolgatanga, Gh), B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana)</i>	<i>Assistant Lecturer/School Quality Assurance Officer</i>
<i>Adugbire, B. A.</i>	<i>RN (NTC, Bolgatanga, Gh), B.Sc. (UCC, Cape Coast, Gh), M.Phil. (Ghana)</i>	<i>Assistant Lecturer</i>
<i>Adam, A. B</i>	<i>RN (MNTC, Tamale, Gh), B.Sc. (UDS, Tamale, Gh), MN (UCC, Cape Coast, Gh)</i>	<i>Assistant Lecturer</i>
<i>Laari, C. K</i>	<i>RN (PNTC, Bawku, Gh), B.Sc. (Central Univ. Accra, Gh) M.Phil. (Ghana)</i>	<i>Assistant Lecturer</i>
<i>Anaba. C. Y.</i>	<i>B.Sc. (UDS, Tamale, Gh)</i>	<i>Senior Research Assistant</i>
<i>Jia, P. A.</i>	<i>B.Sc. (UDS, Tamale, Gh)</i>	<i>Senior Research Assistant</i>

Programmes

- BSc. Nursing (Regular)
- BSc. Nursing (Matured)
- BSc. Nursing (Top-Up)
- BSc. Nursing (Access Upgrade/Sandwich)

Publications

Nukpezah, R. N.

- Ibrahim, M. M., Jibril, A., Razak, A. A. A., & **Nukpezah, R. N.** (2021). First-aid Resources Availability and Attitudes of Senior High School Students in Tamale Metropolis, Ghana. *Asian Journal of Medicine and Health*, 19(9), 9-16. <https://doi.org/10.9734/ajmah/2021/v19i930362>
- Nukpezah, R. N.**, Khoshnavay, F. F., Hasanpour, M., & Nasrabadi, A. N. (2021). Striving to reduce suffering: A Phenomenological Study of nurse's experience in caring for children with cancer in Ghana. *Nursing Open*, 8(1), 473-481.
- Nukpezah, R.N.**, Khoshnavay Fomani, F., Hasanpour, M. & Nasrabadi, A. N. (2021). A qualitative study of Ghanaian pediatric oncology nurses' care practice challenges. *BMC Nurs* 20, 17 (2021). <https://doi.org/10.1186/s12912-021-00538-x>
- Abdul-Wahab, I., Nungbaso, A. M., **Nukpezah, R. N.**, & Dzantor, E. K. (2021). Adolescents Sexual and Reproductive Health: A Survey of Knowledge, Attitudes and Practices in the Tamale Metropolis, Ghana. *Asian Research Journal of Gynaecology and Obstetrics*, 6(1), 31-47.
- Nukpezah, R. N.**, Fuseini, A., Bawa, F., Napari, A., Wuffele, G., Asumadu, O., ... & Asare, R. (2021). Reflective Practice: Its Knowledge, Practice and Perception During Covid-19 Among Paediatric Nursing Students. *American Journal of Health, Medicine and Nursing Practice*, 6(3), 39-52.
- Nungbaso, A. M., Ziba, F. A., **Nukpezah, R. N.**, Abdulai, A., Evelyn, M. A., Zakiyya, M., & Yussif, M. M. (2021). "Awareness and Use of Insecticide-Treated Bed Nets (ITNs) among Students in the Second Cycle Institutions in the Tamale Metropolis of Northern Region" Ghana. *Asian Journal of Research in Nursing and Health*, 4(4), pp. 1-12.
- Nayeri, N. D., **Nukpezah, R. N.**, & Kiwanuka, F. (2021). Strategies for Stress Management among Paediatric Nurses in Oncology/Haematology Settings: A Systematic Review. *Asian Journal of Research in Nursing and Health*, 4(3), pp. 18-36.
- Nukpezah, R. N.**, Salisu, W. J., & Doat, A. R. (2021). Self-Care Practices among Children and Adolescents with Diabetes: An Integrative Review. *Asian Journal of Research in Nursing and Health*, 4(3), pp. 37-54.
- Nukpezah, R. N.**, Alenyorige, R. L., Abdul-Wahab, I., Asaana, F. M., Adinga, G., Nungbaso, A. M., & Dzantor, E. K. (2021). Knowledge and Practice of Breast Self-Examination among Undergraduate Midwifery Students of the University for Development Studies, Ghana. *Advances in Research*, 22(4), 26-37. <https://doi.org/10.9734/air/2021/v22i430308>

Department of Midwifery and Women's Health

Name	Qualification	Rank/Position
Wuffele, G. M.	B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana), FGCNM	Lecturer/Ag. HoD
Awal, I.	B.Sc (UDS, Tamale, Gh), M.Phil. (Ghana)	Assistant Lecturer/DCROP Coordinator
Abdulai, D. S	B.Sc. (UCC, Cape Coast, Gh), MN (UCC, Cape Coast, Gh), PhD (South Africa)	Assistant Lecturer

Boateng, K-H. T.	B.Sc (UDS, Tamale, Gh), MGCNM (Accra, Gh)	Assistant Lecturer/Skills Coordinator
Yakubu, H. N.	B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana)	Assistant Lecturer
Afaya, R. A.	B.Sc. (UDS, Tamale, Gh), M.Phil. (KNUST, Kumasi, Gh)	Assistant Lecturer/School Exams Officer
Chanayireh, L.	B.Sc. (UDS, Tamale, Gh) Mphil-(Ghana)	Senior Research Assistant
Asakiya, B.	B.Sc. (UDS, Tamale, Gh)	Senior Research Assistant
* Kumoji A. H	B.Ed. (UCC, Cape coast, Gh), M.Sc. (UDS, Tamale, Gh)	Lecturer

* Staff on study leave

Programme(s)

- BSc. Midwifery (Regular)
- BSc. Midwifery (Matured)
- BSc. Midwifery (Top-Up)
- BSc. Midwifery (Access Upgrade/Sandwich)

Publications

Wuffele, G

Nukpezah, R. N., Fuseini, A. T., Hospital, T. T., Bawa, F., Mamprusi, E., Health, M., Napari, A. A., Hospital, T. C., **Wuffele, G.**, Duah, O., Asumadu, K., Peprah, W., & Asare, R. O. (2021). Reflective Practice : Its Knowledge , Practice And Perception During Covid-19 Among Paediatric. *American Journal of Health, Medicine and Nursing Practice* (AJHMN), VOL.6 No.3,pp. 39-52. <http://www.ajpo.org/>

Awal I

Issah, H., Salifu, A & **Awal I.**(2022). Knowledge of contraceptives, Knowledge of types and Identified Challenges to contraceptives use among undergraduate nursing students in the university forDevelopment Studies. *Open Access Library Journal*, Vol 9. e8530. <https://doi.org/10.4236/oalib.1108530>

Salifu, D.A.,

Salifu, D.,A., Yolande H., Christmal D., C. (2022). A Simulation-Based Clinical Nursing Education Framework for a Low-Resource Setting: A Multimethod Study. *Healthcare*. Vol.10 No.9 1639; <https://doi.org/10.3390/healthcare10091639>

Salifu D. A. Christmal D., C., Gerda, M., R.,(2022). Frameworks for the design, implementation, and evaluation of simulation-based nursing education: A scoping review. *Nursing & Health Sciences* <https://doi.org/10.1111/nhs.12955>

Salifu, D. A. Heymans, Y., & Christmals, C., D. (2022). Facilitating the Development of Clinical Competence in a Low-Resource Setting: Perceptions and Challenges of Nurse Educators. *Nurse Media Journal of Nursing*, Vol 12, No.1 pp42-60.<https://doi.org/10.14710/nmjn.v12i1.43995>

Salifu, D. A., Heymans, Y. & Christmals, C., D. (2022). Teaching and Learning of Clinical Competence in Ghana: Experiences of Students and Post-Registration Nurses. *Healthcare*. Vol.10 No.3 538; <https://doi.org/10.3390/healthcare10030538>

Department of Paediatric Nursing

Staff

Name	Qualification	Rank/Position
<i>Afoko, V.</i>	<i>B.A., MSc., (Legon, Gh). Ph.D. (Birmingham, UK)</i>	<i>Lecturer/ Ag.HoD</i>
<i>Alem, J. N</i>	<i>B.Sc., (UDS, Tamale Gh). M.Phil. (Legon, Accra. Gh)</i>	<i>Assistant Lecturer</i>
<i>Suglo, S</i>	<i>B.Sc., (UDS, Tamale, Gh) M.Phil. (University of Cape Coast)</i>	<i>Assistant Lecturer</i>
<i>Kala, M</i>	<i>B.Sc., (KNUST, Kumasi, Gh), M.Phil. (Legon, Gh)</i>	<i>Assistant Lecturer</i>

Publications

Afoko V.

Newham, R., Hewison, A., Neilson, S., & **Afoko, V.** (2022) Moral distress experienced by neonatal intensive and paediatric care nurses in Northern Ghana: a qualitative study. *Journal of Research in Nursing*.
<http://www.uk.sagepub.com/journals/Journal201720>

Adams, Y., Afoko, A.A., Amidu, N., Quaye, L., Dapare, P.P.M., Bani, S.B. and **Afoko, V.** (2022) Factors Associated with Improved Semen Characteristics Following Microsurgical Sub-inguinal Varicocelelectomy among Infertile Men in Tamale, Ghana. *Asian Journal of Research and Urology Report*. Pp. 01-15.

Adams, Y., Afoko, A.A., Amidu, N., Quaye, L., Bani, S.B., Dapare, P.P.M. and **Afoko, V.** (2022). Effect of Varicocelelectomy on Gonadal Function among Patients Reporting with Sexual Dysfunction in Ghana. *Open Journal of Urology*, 12(6), pp.305-330.

Alem, J. N.

Kumbeni, M. T., Apanga, P. A., Chanase, M.-A. W., **Alem, J. N.**, & Mireku-Gyimah, N. (2021). The role of the public and private health sectors on factors associated with early essential newborn care practices among institutional deliveries in Ghana. *BMC health services research*, 21(1), 1-8.

Kala, M

Kala, M., Bam, V. B., & Agana, F. A. (2022). Psychosocial Experiences among Postnatal Women after Caesarian Section in the Tamale Metropolis, Ghana. *Asian Journal of Pregnancy and Childbirth*, 5(3), 26-36. Retrieved from <https://journalajpcb.com/index.php/AJPCB/article/view/30173>

Department of Advanced Nursing Practice

Name	Qualification	Rank/Position
<i>Aarah-Bapuah, M.</i>	<i>RN (NMTC, Tamale, Gh), B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana), FGCNM</i>	<i>Lecturer/Departmental Coordinator</i>
<i>Osman, W.</i>	<i>RN (MNTC, Tamale, Gh), B.Sc. (UDS, Tamale, Gh), MN (UCC, Cape Coast, Gh), FGCNM</i>	<i>Assistant Lecturer</i>
<i>Dindiok, J. D.</i>	<i>RN (NTC, Bawku, Gh), Dip. (Ghana), B.Sc. (GCUC, Kumasi. Gh), PGDE (UEW, Gh), M.Phil. (Ghana)</i>	<i>Assistant Lecturer</i>
<i>Nam, M. A.</i>	<i>B.A. (Ghana), Dip. (UEW, Gh), M.Phil. (Ghana)</i>	<i>Assistant Lecturer</i>

<i>Twiaaku, S.</i>	<i>RN (MNTC, Tamale, Gh), Advanced Diploma: Critical Care Nursing (School of Peri-Operative & Critical Care Nursing, Korle-Bu, Gh.)</i>	<i>Assistant Lecturer</i>
<i>Asakeboba, P. A.</i>	<i>B.Sc. (UDS, Tamale, Gh), MN (UCC, Cape Coast, Gh), RN (MNTC, Tamale, Gh), B.Sc. (UDS, Tamale, Gh), PGDE (UEW, Gh)</i>	<i>Assistant Lecturer</i>
<i>Kambasi, C. A.</i>	<i>B.Sc. (UDS, Tamale, Gh)</i>	<i>Senior Research Assistant</i>

Programme(s)

- B.Sc. Nurse Practitioner

Publications

Osman, W.

Osman, W., Ninnoni, J. P. K., & Anim, M. T. (2021). Use of the nursing process for patient care in a Ghanaian Teaching Hospital: A cross-sectional study. *International Journal of Africa Nursing Sciences*, vol. 14 (100281).

Alhassan, B. A., Druye, A. A., Kumi-Kyereme, A., **Osman, W.**, & Alhassan, A. (2021). Nursing and Midwifery Students Satisfaction with their Clinical Rotation Experience: The Role of the Clinical Learning Environment. *Nursing Research and Practice*, vol. 2021 (7258485).

Alhassan, A., Fuseini, A.G., **Osman, W.**, Issah Aliu I. D., & Mahama, S.S. (2022). Preceptors' perceptions of support, commitment to the preceptor role, and preferred incentives: A cross-sectional study. *Nurse Education Today*, 116, 105457.

Nam, M. A.

Wilson, D. M., Fahy, A., **Nam, M. A.**, & Murphy, J. (2021). The need for and value of nurse and midwife prescribing: Findings from an Irish research investigation. *International Journal of Nursing Practice*, 27(1), e12877.

Dubik, J. D.

Dubik J.D., Aniteye, P., Ritchner S., (2022). Sociocultural factors influencing teenage pregnancy in the East Mamprusi Municipality, Ghana. *African Journal of Reproductive Health*, 25 (5), 120-130.

Department of Mental Health Nursing

Staff

Name	Qualification	Rank/Position
<i>Nachinab, G. T.</i>	<i>RGN (NTC, Bawku), BSc. (UCC, Cape Coast, Gh), MPhil (Ghana), PhD (South Africa)</i>	<i>Lecturer/Ag HoD</i>
<i>Gazari, T</i>	<i>RGN (NTC, Tamale), BSc. (Garden City University), MPhil (Ghana)</i>	<i>Assistant Lecturer</i>
<i>Abdul-Rahaman, A.</i>	<i>RMN (NTC, Ankaful), MSc (KNUST), MPhil (UCC, Cape Coast, Gh)</i>	<i>Assistant Lecturer</i>

Abu, A. N.	RGN (NTC, Jirapa), BSc. (UDS, Tamale, Gh), MPhil (Ghana)	Assistant Lecturer
Gazari, T.	RN (MNTC, Tamale), B.Sc. (GCUC, Kumasi, Gh), M.Phil. (KNUST, Kumasi, Gh)	Assistant Lecturer

Publications

Nachinab, G. T.

Nachinab, G. T., & Armstrong, S. J. (2022). Quality of Clinical Nursing Education Programme in Ghana : Preceptors ' Perspectives. *Nurse Media Journal of Nursing* 12(2), 172–184. <https://doi.org/10.14710/v12i2.46084>

Nachinab, G. T. & Armstrong, S. J. (2022). Unveiling how Clinical Nursing Education can be Improved in Northern Ghana : The Perspectives of Key Informants. *Sage Open Nursing* <https://doi.org/10.1177/23779608221097162>

Dindiok, J., Nungbaso, M., **Nachinab, G. T.**, Gariba, A., & Irene, A. (2022). Factors Influencing the Utilization of Contraceptives among Adolescents in the Tamale Metropolis , Ghana. *Asian Journal of Medicine and Health*, 20(3), 56–68. <https://doi.org/10.9734/AJMAH/2022/v20i330449>

Nachinab, G. T., Nyagre Yakong, V., Pwamang, E., Apawo Awe, C., & Alowri, F. (2022). Utilisation of Emergency Contraception among Final Year University Female Students. *Advances in Research*, 23(2), 39–54. <https://doi.org/10.9734/air/2022/v23i230329>

Nachinab, G. T., Yakong, V. N., Abdul-mumuni, R., Alechana, J. A., & Akae, J. A. (2022). “ Everywhere in the community you are seen as a bad luck midwife ”: experiences of midwives upon conducting stillbirth deliveries in Northern Ghana. *Journal of Medical and Biomedical Sciences*, 8, 1–11.

Nachinab, G. T., Yakong, V. N., Antwi-adjei, H., Benewaa, M. A., Aidoo, A., Asumah, M. N., Ziba, F. A., & Asumah, M. N. (2022). Experiences of women receiving reproductive health services from male midwives : a qualitative study in Bole District , Savannah Region of Ghana , West Africa. *Pan African Medical Journal-one Health*, 7(30). [10.11604/pamj-oh.2022.7.30.33942](https://doi.org/10.11604/pamj-oh.2022.7.30.33942)

Department of Preventive Health Nursing

Staff

Name	Qualification	Rank/Position
Ziba, F. A.	RN (NTC, Bawku, Gh), B.Sc. (UDS, Tamale, Gh), MHPE (Maastricht/Suez, Netherlands/Egypt)	Lecture/Ag HoD
Yakong, V. N.	RN (NTC, Bolgatanga, Gh), Dip. (UDS, Tamale, Gh), BSN, MSN/Ph.D. (UBC, Okanagan, Canada)	Senior Lecturer/Dean
Akugri, F. A.	RN (PNTC, Bawku, Gh) Dip. (Ghana), B.Sc. (GCUC, Kumasi, Gh), M.Sc. (KNUST, Kumasi, Gh), M.Phil. (Ghana)	Assistant Lecturer
Nicholas D.Y.	Dip. (Ghana), RGN (NCT, Tamale) BSc. (UDS, Tamale) MSc (UCC, Cape Coast, Gh), PhD (Tehran, Iran)	

Publications

Yakong, VN

- Afaya, A; Seidu, A; Somin Sang, S; **Yakong, VN**; Afaya, RA; Shin, J; Ahinkorah, BO. (2022). Mapping evidence on knowledge of breast cancer screening and its uptake among women in Ghana: a scoping review. *BMC Health Service Research*. 22(1): 526.
- Nachinab, GT; **Yakong, VN**; Asumah, MN; Ziba, FA; Antwi-Adjei, H; Benewaa, MA; Aidoo, A. (2022). Experiences of women receiving reproductive health services from male midwives: a qualitative study in Bole District, Savannah Region of Ghana, West Africa. *PAMJ - One Health*. 7(30): 1-9.
- Yombe N. L., **Yakong V. N.**, Boateng, K. T., Martin N. Adokiya M. N. and Williams Kwame Boateng W. K. (2022). Evaluating the awareness and usage of exclusive breastfeeding amid nursing mothers in Northern Ghana. *Asian Journal of Pregnancy and Childbirth* 5(4): 1-10.
- Nachinabl, GT; **Yakong, VN**; Rahinatu Abdul-Mumun, R; Alechana, JA, Akae, JA. (2021). Everywhere in the community you are seen as a bad luck midwife”: experiences of midwives upon conducting stillbirth deliveries in Northern Ghana. *Journal of Medical and Biomedical Sciences*. 8(2): 1-11.
- Boateng, KT; **Yakong, VN**; Yombe, NL. (2021). Exploring Parents Needs Among Newborn Babies at Tamale Teaching Hospital. *Asian Journal of Pregnancy and Childbirth*. 4(4): 68-75.
- Afaya, A; Bam, V; Azongo, TB; Afaya, RA; **Yakong, VN**; Kpodo, GK; et al. (2021). We are left with nothing to work with”; challenges of nurses working in the emergency unit at a secondary referral hospital: A descriptive qualitative study. *PLoS ONE*. 16(2): e0247062.
- Afaya, A., Afaya, R. A., Azongo, T. B., **Yakong, V. N.**, Konlan, K. D., Agbinku, E., et al. (2021). Maternal risk factors and neonatal outcomes associated with low birth weight in a secondary referral hospital in Ghana. *Heliyon*, Vol. 7, Issue 5.
- Ziba, F. A., **Yakong, V. N.** & Ali, Z. (2021). Clinical learning environment of nursing and midwifery students in Ghana *BMC Nursing*:20(1):14. DOI: 10.1186/s12912-020-00533-8
- Adokiya, M.N., Cudjoe, F.K. and **Yakong, V.N.** (2021), "Predictors of education and utilization of adolescent-friendly health services among youth in Kumbungu district, Ghana", *Journal of Health Research*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/JHR-04-2020-0120>
- Salia, S. M, Afaya, A., Wuni, A., Ayanore, M. A., Salia, E, Kporvi, D. D., Adatara, P., **Yakong, V. N.**, et al. (2021) Knowledge, attitudes and practices regarding neonatal jaundice among caregivers in a tertiary health facility in Ghana. *PLoS ONE* 16(6): e0251846. <https://doi.org/10.1371/journal.pone.0251846>
- Opore-Asamoah K, Majeed S. F., Owusu A. S., Keelson K. O., 1, Owusu, E. A. Paul M. Wondoh P. M., Sheba M. P. Kunfah S. M. P., Samuel E. Fosu S. E.,5, Joseph Yorke J., **Yakong V. N.** and Tabiri S. (2021). The Prevalence and Risk Factors of Hepatitis B Virus Infection Among Dwellers in A Peri-Urban District of Ghana: A Cross-Sectional Study. *Journal of Medical and Biomedical Sciences*, 8(2): 12-20.

Ziba, FA

- Gilbert Ti-Enkawol Nachinab, Vida Nyagre Yakong, Mubarick Nungbaso Asumah, **Florence Assibi Ziba**, Hassana Antwi-Adjei, Mercy Ansu Benewaa, Abigail Aidoo (2022). Experiences of women receiving reproductive health services from male midwives: a qualitative study in Bole District, Savannah Region of Ghana, West Africa. *AMJ - One Health* (ISSN: 2707-2800). <https://www.one-health.panafrican-med-journal.com/content/article/7/30/full>
- Ziba, FA, Yakong, VN and Ali, Z (2021). Clinical learning environment of nursing and midwifery students in Ghana *BMC Nursing*:20(1):14. DOI: 10.1186/s12912-020-00533-8
- Kumbeni MT, Ziba FA, Apenkwa J, OTupiri E (2021). Prevalence and factors associated with menstruation-related school absenteeism among adolescent girls in rural northern Ghana. *BMC Women's Health*. DOI: <https://doi.org/10.1186/s12905-021-01418-x>

Akugri, F. A.

- Amertil, N.P., Ayitey, K., G. Kpongboe, D., Osei, A. E., **Akugri, F. A.** (2022). Testicular self-examination among professional working males in Accra: Awareness, practice and intention to practice. New submission to *Journal of Advanced Nursing* - Manuscript ID JAN-2022-062.
- Mubarick N. A., **Akugri, F. A.**, Akanlu, P., Taapena, A., Boateng, F. (2021). Utilization of insecticides treated mosquito bed nets among pregnant women in Kassena-Nankana East municipality in the upper east region of Ghana. *Public Health Toxicol* 2021;1(2):9 <https://doi.org/10.18332/pht/144533>

Yakubu N.D.

- Manookian A1, Dehghan Nayeri N1, **Yakubu N.D**, Tabari F1, Buunaaim ADB, Afoko (2021). A Heideggerian Phenomenological Study of the Lived Experiences of Ghanaian Patients Living With End-Stage Renal Disease *Clinical Nursing Research*, V3 31(4):690-701 DOI: 10.1177/10547738211035456 PMID: 34392733

SCHOOL OF PUBLIC HEALTH

The School of Public Health (SPH) was established in 2020. This was at the time the University was undertaking major restructuring. Our philosophy focuses on community-centred approach to teaching, research, and community service which emphasizes robustness, creativity, innovation, transparency and accountability.

It provides a solid foundation in public health through collaborations in the field of teaching, research and community service both locally and internationally. At the SPH, we believe that diversity is critical for the training of public health personnel. Thus, the SPH has six (6) academic departments that function in an integrated way to leverage the collective strengths of the different expertise for the training of undergraduate and graduate students to provide leadership in disciplines such as Epidemiology, Biostatistics, Disease Control, Environmental and Occupational Health, Population, Reproductive Health, Health Information Management, Health Policy, Planning, Management, Social and Behavioural Sciences.

The SPH runs the following graduate programmes; Master of Public Health (MPH) with options (Epidemiology & Biostatistics, Global Health, Health Informatics, Maternal & Child Health, & Health Policy, Planning and Management), MPH in Maternal and Child Health, MPH in Environmental Health, Master of Philosophy in Community Health and Development and Master of Science in Community Disaster Resilience Studies. Currently, we also run a Bachelor of Science in Health Information Management at the School of Public Health.

We work together as a community of leading educators, scientists, mentors and students to pursue and develop a healthier world through innovative training, community research and service, equity, and integrity to create a meaningful impact. The school has five administrative staff in addition to Senior Members listed below.

Dean's Office

Name	Qualification	Rank/Position
<i>Yidana, A.</i>	<i>BA (Ghana), MSc (London, UK), PhD (Halle, Germany)</i>	<i>Associate Professor/Dean</i>
<i>Adokiya, N.M.</i>	<i>BSc (Tamale, Ghana), MPH (Kumasi, Ghana), Ph.D (Heidelberg, Germany)</i>	<i>Associate Professor/Vice Dean</i>
<i>Abdulai, R.</i>	<i>B.A. (UDS, Tamale, Gh), MBA. (KNUST, Kumasi, Gh)</i>	<i>Senior Assistant Registrar</i>

Department of Global and International Health

Name	Qualification	Rank/Position
Abubakari, A	B.S.C. (UDS, Tamale, Gh), M.Sc. (UGhent, Ghent, Belgium), Ph.D. (Heidelberg University, Heidelberg, Germany)	Associate Professor / HoD
Azongo, T. A.	BA (UG, Legon), MPH (KNUST, Kumasi), PhD. (UG, Legon)	Snr. Lecturer (contract)
Issah, H.	B.A. (UG, Legon, Gh), M.A./M.Sc. (Linköping University, Linköping, Sweden), MPH (Lund University, Lund, Sweden), Europubhealth (Sheffield University, Sheffield, UK and Copenhagen University, Copenhagen, Denmark)	Lecturer
Abem, V. K	BSc (UDS, Tamale, Gh.), MSc (Heidelberg University Germany), PhD (UG, Accra Gh.)	Lecturer
Yussif, B. G.	BSc (UDS, Tamale, Gh.), MPH (UDS, Tamale, Gh), M.Phil. (UDS, Tamale, Gh)	Assistant Lecturer
Abdul Karim, H.	BSc (UDS, Tamale, Gh.), MPhil (UDS, Tamale, Gh), M.Phil. (UDS, Tamale, Gh)	Assistant Lecturer
Kpordoxah, M. R.	BSc (UDS, Tamale, Gh.), MPH (UDS, Tamale, Gh), M.Phil. (UDS, Tamale, Gh)	Assistant Lecturer

Publication

Abubakari A.

Mubarick Nungbaso Asumah, **Abdulai Abubakari** and Gifty Apiung Aninanya (2022).

Determinants of Menstrual Hygiene Management Practices among Schoolgirls: A Cross-Sectional Study in the Savannah Region of Ghana: *Infectious Diseases in Obstetrics and Gynecology*: Volume 2022, Article ID 7007117, 10 pages; <https://doi.org/10.1155/2022/7007117>.

Jonathan Kumah Nanyim1, Collins Gbeti, **Abdulai Abubakari**, Abdul Rahaman Issahaku2, Abukari Wumbei (2022). An Evaluation of the CLTS Implementation Process from the Beneficiary Perspective: A Cross-sectional Study from the Bole District of the Savannah Region, Ghana. *American Journal of Environmental Protection*. Vol. 11, No. 2, 2022, pp. 39-46. doi: 10.11648/j.ajep.20221102.15.

Asumah MN, **Abubakari A**, Gariba A (2022). Schools preparedness for menstrual hygiene management: a descriptive cross-sectional study in the West Gonja Municipality, Savannah Region of Ghana. *BMJ Open* 2022;**12**:e056526. doi: 10.1136/bmjopen-2021-056526

Asumah MN, **Abdulai A**, Dzantor EK, et al (2022). Prevalence of skin bleaching and its associated factors among young adults in Ghana. *Public Health and Toxicology*. 2022;2(1):6. doi:10.18332/pht/146947.

Mubarick Nungbaso Asumah, **Abdulai Abubakari**, Gifty Apiung Aninanya, Waliu Jawula Salisu (2022). Perceived factors influencing menstrual hygiene management among adolescent girls: A qualitative study in the West Gonja Municipality of the Savannah Region, Ghana. *Pan African Medical Journal*. 2022;41(146). 10.11604/pamj.2022.41.146.33492.

- Doglikuu, Dominic, **Abubakari, Abdulai**, Yaseri, Mehdi, Shakibazadeh, Elham, Djazayery, Abolghassem, Mirzaei, Khadijeh (2021). The potential role of plantains, moringa, plantain-moringa combined diets, and other plant-based dietary patterns in controlling glycaemia among T2DM persons, a hospital based cross sectional survey in Ghana. *Journal of Diabetes and Metabolic Disorders*; 20(13); DOI:[10.1007/s40200-021-00896-y](https://doi.org/10.1007/s40200-021-00896-y)
- Abdul-Mumin A, **Abubakari A**, Agbozo F, Abdul-Karim A, Nuertey BD, Mumuni K, et al. (2021). Field evaluation of specificity and sensitivity of a standard SARS-CoV-2 antigen rapid diagnostic test: A prospective study at a teaching hospital in Northern Ghana. *PLOS Glob Public Health* 1(12): e0000040. <https://doi.org/10.1371/journal.gph.0000040>
- Doglikuu, B.D., **Abubakari, A.**, Yaseri, M., Shakibazadeh E., Djazayery A. (2021) Association of household socioeconomic status, neighborhood support system and adherence to dietary recommendation among persons with T2DM, a facility-based cross-sectional study in Ghana. *BMC Public Health* **21**, 911 (2021). <https://doi.org/10.1186/s12889-021-10963-x>
- Asumah Mubarick Nungbaso, Florence Assibi Ziba, Ruth Nimota Nimota Nukpezah, **Abubakari Abdulai**, Mahama Ayisha Evelyn, Musah Zakiyya, Mahamud Mohammed Yussif (2021). Awareness and use of insecticide-treated bed nets (ITNs) among students in the second cycle institutions in the TamaleMetropolis of Northern Region" Ghana. *Asian Journal of Research in Nursing and Health*; 4(4): 1-12, 2021.
- Azongo T. A**
- Afaya, A., Bam, V., **Azongo, T. B.**, Afaya, R. A., Yakong, V. N., Kpodo, G. K., . . . Adatra, P. (2021). 'We are left with nothing to work with'; challenges of nurses working in the emergency unit at a secondary referral hospital: A decriptive qualitaive study . *PLOS ONE*, 1-12
- Azongo, T. B.**, Nachinab, G. T., & Kusaah, E. B. (2020). Assessing client's satisfaction of maternal health care: A comparative study between private and public health facilities in Northern Ghana. *Journal of Nursing and Health Science*, 1-7.
- Afaya, R. A., Bam, V., **Azongo, T. B.**, & Afaya, A. (2020). Knowledge of chronic complications of diabetes among persons living with type 2 diabetes mellitus in northern Ghana. *PLOS ONE*, 15(10), 1-14.
- Afaya, A., **Azongo, T. B.**, Dzomeku, V. M., Afaya, R. A., Salia, S. M., Adatara, P., . . . Ay, M. A. (2020). Women's knowledge and its associated factors regarding optimum utilisation of antenatal care in rural Ghana: A cross-sectional study. *PLOS ONE*, 15(7), 1-19.
- Afaya RA, Bam V, **Azongo TB**, Afaya A, Kusi-Amponsah A, Ajustiyine JM, et al. (2020) Medication adherence and self-care behaviours among patients with type 2 diabetes mellitus in Ghana. *PLoS ONE* 15(8):
- Azongo, T. B.**, Yidana, A., & Musah, A. (2020). Withes's Camps in Northern Ghana: Are they Safe for the Inmates?- A Qualitative Study on the Psycho-Social Conditions of Alleged Witches in Some Witches' Camps in Northern Ghana. *American Journal of sociological Research*, 2(10), 1-8
- Yidana, A., **Azongo, T. B.**, & Mohammed, A. (2020). Iron and Folic acid Supplementation Compliance among Adoloscent Girls in Karaga District, Ghana. *Public Health Resaerch*, 10(5), 1-10.

Kampo, S., Anabah, T. W., Buunaaaim, A. D., Kuugbee, E. D., Wumbei, J. M., Mwinsagra, J., . . . **Azongo, T. B.** (2020). Exposure to Covid-19: Assessing the Knowledge, Attitudes and practices of Anaethetists in the prevention of Covid-19 Spread in Ghana- A Multicentre Cross-Sectional Survey. *Anaesthesia & Surgery Open Access Journal*, 1-11.

Issah, H

Datuah, J. N., Aninanya, G. A., **Issah, H.** & Aryee, P. A (2021). Socio-demographic correlates of job satisfaction among nurses and midwives in health facilities in the Bole District of the Savannah Region, Ghana. *UDS International Journal of Development*, 8(2):15-28. <https://www.udsijd.org>

Abukari, S., **Issah, H.**, and Adam, H.Y. (2022). I Cannot Treat Stupidity: The Function of Divination in Planning and Managing Life Crisis within the Dagbong Traditional Society in Northern Ghana. *Open Journal of Social Sciences*, 10, 420-439. <https://doi.org/10.4236/jss.2022.101032>

Issah, H., Abukari, S. and Adam, H.Y. (2022). Cultural barriers to exclusive breastfeeding among children aged 0-6 months in Tamale metropolitan area of Ghana, *Annals of Medical Laboratory Science* 2(1): 1 - 12. <https://doi.org/10.51374/annalsmls.2022.2.1.0053>

Issah, H., Salifu, A. and Awal, I. (2022) Knowledge of Contraceptives, Knowledge of Types, and Identified Challenges to Contraceptives Use among Undergraduate Nursing Students in the University for Development Studies. *Open Access Library Journal*, 9: e8530. <https://doi.org/10.4236/oalib.1108530>

Kpordoxah, M. R

Issah, A., Yeboah, D., Kpordoxah, M. R., Boah, M., Mahama, B. A. (2022) Association between exposure to intimate partner violence and the nutritional status of women and children in Nigeria.17(5), e0268462 <http://dx.doi.org/10.1371/journal.pone.0268462>

Boah, M., Yeboah, D., Kpordoxah, M. R., & Adokiya, M.N. (2022). Frequency of exposure to the media is associated with levels of HIV-related knowledge and stigmatising attitudes among adults in Ghana. *African Journal of AIDS Research*, 21:1, 49-57, DOI: 10.2989/16085906.2022.2040549.

Boah, M., Issah, A., Yeboah, D., Kpordoxah, M. R., & Sira, J. (2022). Association Between Compliance With the New WHO-Recommended Frequency and Timing of Antenatal Care Contacts and Receiving Quality Antenatal Care in Cameroon. *SAGE Open*, 12(3), <http://journals.sagepub.com/doi/10.1177/21582440221117807>

Department of Epidemiology, Biostatistics and Disease Control

Name	Qualification	Rank/Position
Adokiya, M.N.	BSc (UDS, Tamale, Ghana), MPH (KNUST, Kumasi, Ghana), Ph.D (Heidelberg, Germany)	Associate Professor/HoD
Konlaan, B.B.	BSc, MPH, and Ph.D (Umeå, Sweden)	Senior Lecturer
Achana, F.	BSc. (KNUST, Kumasi, Ghana), MSc, PhD (Leicester, UK)	Senior Lecturer
Addah, J.	BSc (KNUST, Kumasi, Ghana), MSc (Ghana)	Senior Lecturer
Abdulai, T.	BSc (KNUST, Kumasi, Ghana), MSc (Tromsø, Norway), PhD (Zhengzhou, China)	Lecturer
Owusu-Marfo, J.	BSc (Fiapre, Ghana), MSc (KNUST, Kumasi, Ghana), PhD (Zhenjiang-Jiangsu Province, China)	Lecturer
Boah, M.	BSc (UDS, Tamale, Ghana) MPH (Ghana), PhD (Harbin, China)	Lecturer
Kolekang, A	BSc (KNUST, Kumasi, Ghana), MPH (New Orleans, USA), PhD (Ghana)	Lecturer
Yakubu, I.Z.	B.Ed (UDS, Tamale, Ghana), MPH (Tamale, Ghana)	Assist. Lecturer
Sumani, A.M.	BSc (UDS, Tamale, Ghana), MPH (UDS, Tamale, Ghana)	Assist. Lecturer
Kusi, K.A,	BSc (UDS, Tamale, Ghana), MPH (Kumasi, Ghana)	Assist. Lecturer
Yeboah, D.	BSc (UDS, Tamale, Ghana), MSc (KNUST, Kumasi, Ghana)	Principal Research Asst
Owusu-Marfo, J.	BSc (Fiapre, Ghana), MSc (Kumasi, Ghana), PhD (Zhenjiang-Jiangsu Province, China)	Lecturer
Boah, M.	BSc (UDS, Tamale, Ghana) MPH (Ghana), PhD (Harbin, China)	Lecturer
Kolekang, A	BSc (KNUST, Kumasi, Ghana), MPH (New Orleans, USA), PhD (Ghana)	Lecturer
Yakubu, I.Z.	B.Ed, MPH (UDS, Tamale, Ghana)	Assist. Lecturer
Sumani, A.M.	BSc, MPH (UDS, Tamale, Ghana)	Assist. Lecturer
Kusi, K.A,	BSc (UDS, Tamale, Ghana), MPH (KNUST, Kumasi, Ghana)	Assist. Lecturer
Yeboah, D.	BSc (UDS, Tamale, Ghana), MSc (KNUST, Kumasi, Ghana)	Principal Research Asst

Staff Publication (August 2021 to July 2022)

Adokiya, M.N.

Kanligi, D.A., Boah, M. & **Adokiya, M.N.** (2022). Predictors of knowledge and adherence to COVID-19 safety protocols among nurses at health facilities in Tamale Metropolis of northern Ghana. *Plos One*. <https://doi.org/10.1371/journal.pone.0274049>

Heuschen, A., Abdul-Mumin, A. **Adokiya, M.**, Lu, G., Jahn, A., Razum, O., Winkler, V. & Mueller, O. (2022). Impact of the COVID-19 pandemic on the malaria burden in northern Ghana: Analysis of routine surveillance data. *Malaria Journal*. (21)149. <https://doi.org/10.1186/s12936-02204154-1>

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- Dzantor, E.K., Serwaa, A., Mahama, A., Ayamba, V., Agyeman, Y.N., Kukeba, M.W., Abdul-Karim, H., Donkor, D.R. & **Adokiya, M.N.** (2022). Contraceptive use among students of a health training institution in north-east region of Ghana. *Journal of Advances in Medicine and Medical Research*. 32(21). <https://doi.org/10.9734/jammr/2022/v34i2131544>
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- Adokiya, M.N.**, Yakong, V.A. & Cudjoe, F.K. (2021). Health workers' knowledge of adolescent health, services provision and challenges in Kumbungu District, Ghana: An observational study. *Journal of Medical & Biomedical Sciences*. 7(2): 41-56. <https://doi.org/10.54106/148.jmbs7z>
- Bassoumah, B., Andani, M.A. & **Adokiya, M.N.** (2021). Challenges to the utilization of community-based health planning and services: the views of stakeholders in Yendi Municipality, Ghana. *BMC Health Services Research*. 21(1223) <https://doi.org/10.1186/s12913-021-07249-8>
- Achana, F.**
- Achana F**, Johnson S, Ni Y, Marlow N, Wolke D, Khan K, & Petrou, S. (2022) Economic Costs and Health Utility Values Associated with Extremely Preterm Birth: Evidence from the EPICure2 Cohort Study. *Paediatric and Perinatal Epidemiology*. <https://pubmed.ncbi.nlm.nih.gov/35830294/>
- KJ Mason, J Bailey, N Heron, M Marshall, **F Achana**, Y Chen, JJ Edwards (2022), Musculoskeletal pain and its impact on rates of hospitalisation and mortality in cancer: a linked electronic health record cohort study (MSKCOM). *Keele University Press*. <https://eprints.keele.ac.uk/10193/>
- DR Griffin, EJ Dickenson, **F Achana**, J Griffin, J Smith, PDH Wall (2022), Arthroscopic hip surgery compared with personalised hip therapy in people over 16 years old with femoroacetabular impingement syndrome: UK FASHIoN RCT. *Health Technology Assessment*. doi: 10.3310/FXII0508
- Achana F**, Gallacher D, Oppong R, Kim SW, Petrou S, Mason J & Crowther M (2021) Multivariate linear and generalised linear mixed-effects models for the analysis of clinical trial-based cost-effectiveness data. *Medical Decision Making* 2021. <https://pubmed.ncbi.nlm.nih.gov/33813933/>
- Wright, J., **Achana, F.**, Diwakar, L., Semple, M., Carroll, W., Baillie, J., Thompson, C., Alcock, A. & Kemp, T. (2021) Cycle threshold values are inversely associated with poorer outcomes in hospitalised patients with Covid-19: a prospective, observational cohort study conducted at a UK tertiary hospital. *International Journal of Infectious Diseases*. <https://doi.org/10.1016/j.ijid.2021.08.022>
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GD Perkins, C Ji, **F Achana**, JJM Black, K Charlton, J Crawford (2022). Adrenaline to improve survival in out-of-hospital cardiac arrest: the PARAMEDIC2 RCT. *Health Technology Assessment*. doi: 10.3310/hta25250

Abdulai, T.

Kwawukume, S. A. K., Laar, A. S., & **Abdulai, T.** (2022). Assessment of men involvement in family planning services use and associated factors in rural Ghana. *Archives of Public Health*, 80(1), 63. <https://doi.org/10.1186/s13690-022-00822-5>

Amponsem-Boateng, C., Oppong, T. B., Zhang, W., **Abdulai, T.**, Boakye-Yiadom, J., Wang, L., & Duodu Kyere, E. K. (2021). Language and Communication Impact of Hypertension: A Qualitative Study. *International Journal of Hypertension*, 2021, 9931873. <https://doi.org/10.1155/2021/9931873>

Owusu-Marfo, J.

Owusu-Marfo, J., Agyeman, Y.N., Kolekang, A.S., Bimpong, S., & Sumani, A.M. (2022) Evaluation of the Quality of Malaria Case Management at a Rural Health Facility in the Savannah Region of Ghana. *J Infect Dis Epidemiol* 8:266. doi.org/10.23937/2474-3658/1510266

Abibata, A., Nihayatu, M., **Owusu-Marfo, J.**, Nukpezah, R.N., & Agyeman, Y.N. (2022) Attitudes and Barriers towards Adolescent Sexuality and Abortion Care in the Northern Part of Ghana. *Int Arch Public Health Community Med* 6:078. doi.org/10.23937/2643-4512/1710078

Boah, M.

Kanligi, D.A., Boah, M. & **Adokiya, M.N.** (2022). Predictors of knowledge and adherence to COVID-19 safety protocols among nurses at health facilities in Tamale Metropolis of northern Ghana. *Plos One*. <https://doi.org/10.1371/journal.pone.0274049>

Boah, M., Issah, A., Yeboah, D., Kpordoxah, M. R., & Sira, J. (2022). Association Between Compliance With the New WHO-Recommended Frequency and Timing of Antenatal Care Contacts and Receiving Quality Antenatal Care in Cameroon. *SAGE Open*, 12(3), 21582440221117807. <https://doi.org/10.1177/21582440221117807>

Issah, A.-N., Yeboah, D., Kpordoxah, M. R., **Boah, M.**, & Mahama, A. B. (2022). Association between exposure to intimate partner violence and the nutritional status of women and children in Nigeria. *PLOS ONE*, 17(5), e0268462. <https://doi.org/10.1371/journal.pone.0268462>

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Aboagye, R. G., **Boah, M.**, Okyere, J., Ahinkorah, B. O., Seidu, A.-A., Ameyaw, E. K., Mwamba, B., & Yaya, S. (2022). Mother and newborn skin-to-skin contact in sub-Saharan Africa: prevalence and predictors. *BMJ Global Health*, 7(3), e007731. <https://doi.org/10.1136/bmjgh-2021-007731>

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Hyzam, D., Zou, M., **Boah, M.**, Basaleem, H., Liu, X., & Wu, L. (2021). Factors associated with reporting good maternal health-related knowledge among rural mothers of Yemen. *Journal of Biosocial Science*, 1-19. <https://doi.org/10.1017/S0021932021000663>

Kolekang, A.

Kolekang, A., Sarfo, B., Danso-Appiah, A., Dwomoh, D., & Akweongo, P. (2022).

Contribution of child health interventions to under-five mortality decline in Ghana: A modeling study using lives saved and missed opportunity tools. *PloS One*, 17(8), e0267776.

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Sumani, A.M,

Sumani A. M., Abdullai A. I., & Yussif B. G. (2022). Determinants of COVID-19 vaccine acceptance in Ghana. *Int J Health Sci Res.* 12(1): 175-187. DOI: <https://doi.org/10.52403/ijhsr.20220124>

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Sumani A. M., Abdul-nasir, I., & Yakubu, I. Z., (2022). Determinants of Aphrodisiacs use, a Precursor of Healthy Marital Home in Northern Ghana. *Asian Journal of Medical and Health Research*.

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Yakubu, I.Z.

Yakubu I. Z. & Yidana A., (2022). Exposure and Determinants of Mosquito's Bite Within Health Facilities in Northern Ghana. *Central, African Journal of Public Health*. Vol. 8, No. 2, 2022, pp. 51-58. doi: 10.11648/j.cajph.20220802.15

Yeboah, D.

Boah, M., Issah, A., **Yeboah, D.**, Kpordoxah, M. R., & Sira, J. (2022). Association Between Compliance With the New WHO-Recommended Frequency and Timing of Antenatal Care Contacts and Receiving Quality Antenatal Care in Cameroon. *SAGE Open*, 12(3), 215824402211178. <https://doi.org/10.1177/21582440221117807>

- Issah, A.-N., **Yeboah, D.**, Kpordoxah, M. R., Boah, M., & Mahama, A. B. (2022). Association between exposure to intimate partner violence and the nutritional status of women and children in Nigeria. *PLOS ONE*, 17(5), e0268462. <https://doi.org/10.1371/journal.pone.0268462>
- Boah, M., **Yeboah, D.**, Kpordoxah, M. R., & Adokiya, M. N. (2022). Frequency of exposure to the media is associated with levels of HIV-related knowledge and stigmatising attitudes among adults in Ghana. *African Journal of AIDS Research*, 21(1), 49–57. <https://doi.org/10.2989/16085906.2022.2040549>

Department of Population and Reproductive Health

Name	Qualification	Rank/Position
Abihiro G. A	B.A. (UDS, Tamale, Gh), MPH. (UCT, Cape Town, SA), PhD. (Uni. Heidelberg, Heidelberg, Germany)	Senior Lecture/HoD
Ziblim, S-D	B.A. (UDS, Tamale, Gh), M.Phil., Ph.D. (UG, Legon, Gh)	Associate Professor/ Director, DAPQA
Laribick, B. D.	B.A., M Ed. (UCC, Cape Coast, Gh), MPH. (KNUST, Kumasi, Gh)	Lecturer
Agyman, Y. N.	B.Sc, MPH. Ph.D (KNUST, Kumasi, Gh), PGDE (Cape Coast, Gh), FGCNM (GCNM, Gh)	Lecturer/School's DCROP Coordinator
Alhassan, S. A.	B.Ed. (UCC, Cape Coast, Gh), M.Phil. (UDS, Tamale, Gh), Ph.D. (UCN, Managua, Nicaragua)	Lecturer/ Departmental Quality Assurance Officer
Adong, J. W.	BSc., MSc., (UG, Legon, Gh), PhD., (UCC, Cape Coast, Ghana)	Lecturer
Bassoumah, B.	B.Ed., M. Phil, (UCC, Cape Coast, Gh), Ph.D (UNIMAS, Sarawak, Malaysia).	Lecturer/ Departmental DCROP Coordinator
Lasong J.	B.Sc. (KNUST, Kumasi, Gh), MPH., Ph.D (HUST, Wuhan, China).	Lecturer/ DEO
Nantomah B.	Tcher Cert 'A', (E. P. College of Education, Bimbila, Gh), B.A, M.Phil., Ph.D (UCC, Cape Coast, Gh),	Lecturer
Akum L. A.	Dip RGN (NMTC, Tamale, Gh), ADVANCE Dip PHN, (KORLE, Accra, Gh), BSc., PGDE (UCC, Cape Coast, Gh), MPH, (KNUST, Kumasi, Gh)	Assist. Lecturer

Programmes Offered

Master of Public Health (Maternal and Child Health)

Publications

Abihiro G. A.

Abihiro, G.A., Annor, C. and Alatinga, K. A. (2022). Facilitators and Barriers to the Use of Sexual and Reproductive Health Services among Adolescents in a Rural Ghanaian District. *Journal of Health Care for the Poor and Underserved*, Vol 33, No. 2, pp 902-917. DOI: 10.1353/hpu.2022.0071

Alatinga, K., **Abihiro, G. A.** and Akudugu, J. A. (2022). The paradigm wars and the incompatibility thesis live on: Trends and adequacy in the use of mixed methods research in the Ghana Journal of Development Studies. *Journal of Planning and Land Management*, Vol 2, No. 1, pp 87–99. DOI: <https://doi.org/10.36005/jplm.v2i1.47>

- Hadfield, K., Akyirem, S., Sartori, L., Abdul-Latif, A. M., Akaateba, D., Bayrampour, H., Daly, A., Hadfield, K. and **Abihiro, G. A.** (2022). Measurement of pregnancy-related anxiety worldwide: a systematic review. *BMC Pregnancy and Childbirth*, Vol 22, No.1, pp 1-10. <https://doi.org/10.1186/s12884-022-04661-8>
- Abihiro, G. A.**, Gyan, K. E., Alatinga, K. A. and Atinga, R. A. (2022). Trends and correlates of male participation in maternal healthcare in a rural district in Ghana. *Scientific African*, Vol 16, pp 1-13. <https://doi.org/10.1016/j.sciaf.2022.e01180>
- Gyan, E. K., Dugle, G. and **Abihiro, G. A.** (2022). Promoting male participation in maternal healthcare in the Jaman North District in Ghana: Strategies and implementation challenges. *The International Journal of Health Planning and Management*. Vol 37, No. 3, pp 1754-1768. <https://doi.org/10.1002/hpm.3441>
- Alatinga KA, Kanmiki EW, **Abihiro GA.** (2022). Out-of-pocket healthcare payments and impoverishment among migrant adolescent female head porters in Ghana: A cross sectional study. *UDS International* Vol 8, No. 2, pp 656-673. <https://doi.org/10.47740/603.UDSIJD6i>
- Alatinga, K. A., Affah, J. and **Abihiro, G. A.** (2021) Why do women attend antenatal care but give birth at home? a qualitative study in a rural Ghanaian District. *PLoS ONE*, Vol 16, No. 12, pp 1-15. <https://doi.org/10.1371/journal.pone.0261316>
- Issahaku Y, Thoumi, A, **Abihiro GA**, Ogbouji O, Nonvignon J (2021). Is value-based payment for healthcare feasible under Ghana's National Health Insurance Scheme? *Health Res Policy Sys*, Vol. 19, No. 145, pp 1-14. <https://doi.org/10.1186/s12961-021-00794-y>
- Balegha, A. N., Yidana, A and **Abihiro, G. A.** (2021) Knowledge, attitude and practice of hepatitis B infection prevention among nursing students in the Upper West Region of Ghana: A cross-sectional study. *PLoS ONE*, Vol 16, No. 10, pp: 1-18. <https://doi.org/10.1371/journal.pone.0258757>

Ziblim, S-D

- Suara, S. B., **Ziblim, S-D.**, Abukari, S., Sarpong, N. N. and Sulemani, H. B. (2022). Household Food Insecurity is the Predictor of Acute Malnutrition but not a Chronic Malnutrition among Children (6 – 59 months old): A Cross-Sectional in Tamale South Constituency. *South Asian Research Journal of Medical Sciences*. Vol. 4, Issue 2, DOI: 10.36346/sarjms. 2022.v04i02.002
- Suara, S. B., **Ziblim, S-D.**, Abukari, S., Adongo, H. I. and Sulemani, H. B. (2022). Associations of Dietary Diversity and Socioeconomic Factors with Anthropometric Failure among Children (6 to 23 Months Old) in Sagnarigu Municipality. *Asian Research Journal of Medical Sciences*. Vol. 4, Issue 2, DOI: 10.36346/sarjms. 2022.v04i02.001
- Ziblim, S-D** Suara, S. B., & Adam, M. (2022). Sexual Behaviour and Contraceptive Uptake among Female Adolescents (15-19 Years): A cross-sectional Study in Sagnarigu Municipality, Ghana. *Ghana Journal of Geography*. Vol 14 No 1: 141-154. <https://dx.doi.org/10.4314/gjg.v14i1.8>
- Glasbey, J. C., Moore, R., Ademuyiwa, A., Adisa, A., Biccard, B., Chakrabortee, S., Ghosh, D. ... **Ziblim, S-D.** (2022). Global Guidelines for Emergency General Surgery: Systematic Review and Delphi Prioritization Process. *BJS Open*, Vol. 6, No. 1, <https://doi.org/10.1093/bjsopen/zrac005>.

Amoore, B. Y., Gaa, P. K., **Ziblim, S-D.** and Mogre, V. (2022) Preparedness of Medical Students to Provide Nutrition Care Following A Nutrition Education Intervention. *Research Square*. DOI: <https://doi.org/10.21203/rs.3.rs-1564360/v2>

Agyeman, Y. N.

Abibata, A., Nihayatu, M., Owusu-Marfo, J., Nukpezah, R. N. and **Agyeman, Y. N.** (2022). Attitudes and Barriers towards Adolescent Sexuality and Abortion Care in the Northern Part of Ghana. *Int Arch Public Health Community Med* 6:078. doi.org/10.23937/2643-4512/1710078

Lasong, J., Bougangue, B., and **Agyeman, YN.** (2022). Modern contraceptive use among women of reproductive age in Zimbabwe: analysis of 1999-2015 Zimbabwe Demographic Health Survey. *The European journal of contraception & reproductive health care: the official journal of the European Society of Contraception*, 1-9. Advance online publication. <https://doi.org/10.1080/13625187.2022.2107198> (**Published in August**)

Owusu-Marfo, J., **Agyeman, Y. N.**, Kolekang, A. S., Bimpong, S. and Sumani, A. M. (2022). Evaluation of the Quality of Malaria Case Management at a Rural Health Facility in the Savannah Region of Ghana. *J Infect Dis Epidemiol*, Vol 8, No. 266, pp 1-7 doi.org/10.23937/2474-3658/1510266

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Bassoumah, B.

Lasong, J., **Bassoumah, B.**, Agyeman, N. Y. (2022) Modern contraceptive use among women of reproductive age in Zimbabwe: analysis of 1999-2015 Zimbabwe Demographic Health Survey. *Eur J Contracept Reprod Health Care*. doi: 10.1080/13625187.2022.2107198. PMID: 35959761. (Published online ahead of print)

Bassoumah, B., Adam, A.M. and Adokiya, M.N. (2021) Challenges to the utilization of Community-based Health Planning and Services: the views of stakeholders in Yendi Municipality, Ghana. *BMC Health Services Research*. Vol 21, No. 1223, pp 1- 9

Lasong J.

Lasong J, Bassoumah, B. and Agyeman, N.Y. (2022) Modern contraceptive use among women of reproductive age in Zimbabwe: analysis of 1999-2015 Zimbabwe Demographic Health Survey. *Eur J Contracept Reprod Health Care*. doi: 10.1080/13625187.2022.2107198. PMID: 35959761. (Published online ahead of print)

Nantomah B.

Nantomah, B., Yendaw, E., Borbor, F. M. and Asante-Afari, K. (2021). Examining the psychological health quality of life of older people with disability in selected districts in Ghana. *Ghana Journal of Development Studies*, Vol. 18, No.2, pp.74 –96.

Nantomah, B., Tanle, A. and Darteh, E. K. M. (2021). Assessment of the determinants of physical health quality of life of the aged with disability in selected districts in Ghana. *Journal of Communications, Media & Society*, Vol. 7, No.1, pp.83-105.

Department of Environmental and Occupational Health**Staff**

Name	Qualification	Rank/Position
Chirawurah, D.	BA (UDS, Tamale, Gh), MSc (KNUST, Kumasi, Gh), PhD (UDS, Tamale, Gh)	Senior Lecturer/HoD
Muktar, A. M.	BSc, M.Phil. (UDS, Tamale Gh)	Lecturer
Cudjoe, F. K.	BSc, M.Phil (UDS, Tamale, Gh).	Asst. Lecturer
Mohammed, A. S.	BSc, M.Phil (UDS, Tamale, Gh).	Asst. Lecturer
Laari, S. H.	B.Sc. (UDS, Tamale, Ghana)	Senior Research Assistant.
Kansake, A. D.	B.A. (UDS, Tamale, Ghana)	Senior Technician
Abukari, L.	B.Sc. (UDS, Tamale, Ghana)	Administrative Assistant

Programmes

1. MPH Environmental Health Science
2. M.Sc. Community Disaster Resilience Studies
3. BPH (Environmental Health option)
4. BPH (Occupational Health and Safety option)

Publication**Chirawurah, D.**

Chirawurah D., Santuah N., Apanga S. (2022). Interactions among Cross-Border Contiguous Communities and Implications for Managing Pandemics-The case of Ghana and Burkina Faso During the Ebola Outbreak in West Africa; A Qualitative Study. *Annals of Global Health*.2022; 88(1):40, 1-11. DOI: <https://doi.org/10.5334/aogh.3807>

Cudjoe, F. K.

Adokiya M., Yakong V., **Francis C.** (2022). Health worker's knowledge on adolescent health, services provision and challenges in Kumbungu District, Ghana: An observational study. *Journal of Medical and Biomedical Sciences*. 7. 41-56. 10.54106/148.jmbs7z.

Muktar, A. M.

Abukari S., **Muktar A.M.**, Yakubu S. (2022) Knowledge, attitude and prevalence of snuff use among adults in the Sagnerigu Municipality. *Int. J. Environ. Res. Public Health* 2022, 19, x. <https://doi.org/10.3390/pg 201>.

Bayor S., **Muktar A.M.**, Abukari S. (2022). Periodic medical checkup among health workers, a descriptive cross-sectional survey at a teaching hospital in Ghana. *Journal of Dryland Ecosystems (JDECO)*.2022 issue.

Department of Health Services, Policy, Planning, Management and Economics

Name	Qualification	Rank/Position
Hushie, M.	B.A., Dip.Ed. (UCC, Cape Coast, Gh) M.Phil. (UG, Gh), Ph.D (Keele University, Keele, UK)	Senior Lecturer/HoD
Abiuro, G.A.	B.A., (UDS, Tamale, Gh), MPH (Cape Town, South Africa), Ph.D (Heidelberg, Germany)	Senior Lecturer
Apiung, A.G.	B.A., (UDS, Tamale, Gh), PGD (London, UK), MPH (London, UK), PhD (KNUST, Kumasi, Gh)	Lecturer/School Examination Officer
Abokyi, L.N.	B.A., (UG, Ghana) MPH (UG, Ghana) PhD (UG, Ghana)	Lecturer
Abugre, D.	B.ED, (UCC, Cape Coast, GH) MPH (UG, GH)	Lecturer
Azaare, J.	B.Sc., (UCC, Cape Coast, Gh) (MPhil (Ghana) PhD (UG, Ghana)	Assistant Lecturer
Issah, A-N.	BBA., Management, Kumasi, Gh, MPH., (UDS, Tamale, Gh)	Assistant Lecturer
Anarwat, S.G.	B.A. (KNUST, Kumasi, Gh), M.A. (Ghana), DSEF (Dakar, Senegal), PhD (Massachusetts, USA)	Lecturer

Publication

Hushie, M.

1. **Hushie, M.**, Salifu, R. S., & Seidu, I. (2021). Strengthening International Health Security by Embedding the Role of Civil Society Organizations in National Health Systems: Lessons from the 2014–2016 West Africa Ebola Response. In *Contemporary Developments and Perspectives in International Health Security-Volume 1*. IntechOpen.

Abiuro, G.A.

1. **Abiuro GA**, Annor C, Alatinga KA. (2022). Facilitators and Barriers to the Use of Sexual and Reproductive Health Services among Adolescents in a Rural Ghanaian District. *Journal of Health Care for the Poor and Underserved* 33(2), 902-917.
2. Alatinga K, **Abiuro GA**, Akudugu, J. A. (2022). The paradigm wars and the incompatibility thesis live on: Trends and adequacy in the use of mixed methods research in the Ghana Journal of Development Studies. *Journal of Planning and Land Management*, 2(1), 87-99.
3. Hadfield K, Akyirem S, Sartori L, Abdul-Latif AM, Akaateba D, Bayrampour H, Daly A, Hadfield K, **Abiuro GA** (2022). Measurement of pregnancy-related anxiety worldwide: a systematic review. *BMC Pregnancy and Childbirth*, 22(1): 1-10.
4. **Abiuro GA**, Gyan KE, Alatinga KA, Atinga RA (2022). Trends and correlates of male participation in maternal healthcare in a rural district in Ghana. *Scientific African*, 16: e01180.
5. Gyan EK, Dugle G, **Abiuro GA** (2022). Promoting male participation in maternal healthcare in the Jaman North District in Ghana: Strategies and implementation

- challenges. *The International Journal of Health Planning and Management*. doi: 10.1002/hpm.3441. Online ahead of print.
6. Alatinga KA, Kanmiki EW, Abihiro GA. (2022). Out-of-pocket healthcare payments and impoverishment among migrant adolescent female head porters in Ghana: A cross sectional study. *UDS International Journal of Development*, 8(2), 656–673.
 7. Alatinga KA, Affah J, **Abihiro GA** (2021) Why do women attend antenatal care but give birth at home? a qualitative study in a rural Ghanaian District. *PLoS ONE* 16(12): e0261316.
 8. Issahaku Y, Thoumi, A, **Abihiro GA**, Ogbouji O, Nonvignon J (2021). Is value-based payment for healthcare feasible under Ghana's National Health Insurance Scheme?. *Health Res Policy Sys* 19, 145.
 9. Balegha AN, Yidana A, **Abihiro GA** (2021) Knowledge, attitude and practice of hepatitis B infection prevention among nursing students in the Upper West Region of Ghana: A cross-sectional study. *PLoS ONE* 16(10): e0258757. <https://doi.org/10.1371/journal.pone.0258757>
 10. Wang Q, **Abihiro GA**, Yang J, Li P, De Allegri M (2021). Preferences for Long-term Care Insurance in China: Results from a Discrete Choice Experiment. *Social Science & Medicine* 281: 114104.
 11. Amoro VA, **Abihiro GA**, Alatinga KA (2021). Bypassing primary healthcare facilities for maternal healthcare in North West Ghana: socio-economic correlates and financial implications. *BMC Health Services Research* 21:545.
 12. **Abihiro GA**, Alatinga KA, Yamey G (2021). Why did Ghana's national health insurance capitation payment model fall off the policy agenda? A regional level policy analysis. *Health Policy and Planning*, 36(6):869–880. doi: 10.1093/heapol/czab016.
 13. Annor C, Alatinga KA, **Abihiro GA** (2021). Is the presence of an adolescent reproductive health corner associated with adolescent knowledge and use of reproductive health services in Ghana? *Sexual & Reproductive Healthcare* 27: 100583.
 14. Dugle G, Akanbang BAA, **Abihiro GA** (2021). Exploring factors influencing adverse birth outcomes in a regional hospital setting in Ghana: A configuration theoretical perspective. *Women and Birth* 34(2):187-195.

Apiung, A.G.

1. Asumah, M. N., Abubakari, A., & **Aninanya, G. A.** (2022). Determinants of Menstrual Hygiene Management Practices among Schoolgirls: A Cross-Sectional Study in the Savannah Region of Ghana. *Infectious diseases in obstetrics and gynecology*, 2022, 7007117.
2. Asumah, M. N., Abubakari, A., **Aninanya, G. A.**, & Salisu, W. J. (2022). Perceived factors influencing menstrual hygiene management among adolescent girls: a qualitative study in the West Gonja Municipality of the Savannah Region, Ghana. *The Pan African Medical Journal*, 41. 2022;41:146.
3. Amanobila, R. A., Yidana, A., & **Aninanya, G. A.** (2022). Knowledge, attitude and uptake of tuberculosis screening services among gold miners in the Datuko sub-district in the Talensi District Ghana. *Annals of Medical Laboratory Science*, 2(2), 31-44.
4. **Aninanya, G. A.**, Otupiri, E., & Howard, N. (2021) Technological and social approaches to maternal health services improvement: a quasi-experimental assessment of the effect

of decision-support and performance-based incentives on client satisfaction with maternal health services in primary facilities in the Upper East Region of Ghana, PLOS ONE.

5. Datuah, J. N., **Aninanya, G. A.**, Habib, I., & Aryee, P. A. (2021). Socio-demographic correlates of job satisfaction among nurses and midwives in health facilities in the Bole district of the Savannah region, Ghana. *UDS International Journal of Development*, 8(2), 674-68.
6. Seidu, A. A., Abdulai, A., & **Aninanya, G. A.** (2021). Factors Influencing Documentation in Nursing Care By Nurses At the Tamale Teaching Hospital, Ghana. *UDS International Journal of Development*, 8(1), 540-558.

Issah, A. N.

1. **Issah, A.-N.**, Yeboah, D., Kpordoxah, M. R., Boah, M., & Mahama, A. B. (2022). Association between exposure to intimate partner violence and the nutritional status of women and children in Nigeria. *Plos One*, 17(5), e0268462.
2. Boah, M., **Issah, A.**, Yeboah, D., Kpordoxah, M. R., & Sira, J. (2022). Association Between Compliance With the New WHO-Recommended Frequency and Timing of Antenatal Care Contacts and Receiving Quality Antenatal Care in Cameroon. *SAGE Open*, 12(3), 215824402211178.

Department of Social and Behavioral Change

Name	Qualification	Rank/Position
Alhassan, M.	BA (Ghana), MPhil (Ghana), Dr.PH (Dusseldorf, Germany)	Senior Lecturer/HoD
Yidana, A.	BA (Ghana), MSc (London, UK), PhD (Halle, Germany)	Professor/Dean
Haruna, U.	BA, MPhil (Cape Coast, Gh), PhD (UDS, Tamale, Gh)	Senior Lecturer/Tamale Campus Hall Master
Abukari, S.	B.ED (Cape Coast,Gh), MA (Ghana),MPH (KNUST,KumasiGh), Graduate Diploma (Ghana) PhD (Ghana)	Lecturer/Graduate School Coordinator
Adam, YH.	BA (Ghana), MPhil (Oslo, Norway)	Lecturer
Mohammed, A.-R.	BA (Ghana), MSc (Moscow), PhD (Moscow)	Lecturer
Santah, C.	BA (Ghana), MPhil (Ghana), PhD (Amsterdam, Netherlands, Milan, Italy)	Lecturer
Zakaria, H.		Asst Lecturer
Mohammed, I.	RGND (NMTC, Tamale), BSc, MPhil, (UDS, Tamale, Gh), FGCNM (Ghana)	Asst Lecturer
Ndago, J.A.	BA (UDS, Tamale, Gh), MSc (Ghana), PGDE (Cape Coast)	Principal Research Assistant

Publications

Yidana A.

1. Dakura, J., **Yidana, A.** and Kuganab-Lem, R. (2022) Spousal Communication in Decision Making During Pregnancy in Northern Ghana, *Public Health Research*, 12(3): 69-77 DOI: 10.5923/j.phr.20221203.02

2. Amanobila, R.A., **Yidana, A.**, and Aninanya, G.A. (2022) Knowledge, attitude and uptake of tuberculosis screening services among gold miners in the Datuko sub-district in the Talensi District Ghana, *Annals of Medical Laboratory Science*, 2(2): 31 - 44; <https://doi.org/10.51374/annalsmls.2022.2.2.0063>
3. Ziblim I.Y., and **Yidana, A.** (2022) Exposure and Determinants of Mosquito's Bite Within Health Facilities in Northern Ghana. *Central African Journal of Public Health*. Vol. 8(2): 51-58. doi: 10.11648/j.cajph.20220802.15
4. Issah. R. Z., and **Yidana, A.** (2022) Utilization of Maternal Care Services and Level of Satisfaction Among Clients in a Teaching Hospital in Ghana. *Central African Journal of Public Health*. Vol. 8(2): 59-68. doi: 10.11648/j.cajph.20220802.16
5. Balegha A.N., **Yidana A.**, Abihiro, G.A. (2021) Knowledge, attitude and practice of hepatitis B infection prevention among nursing students in the Upper West Region of Ghana: A cross-sectional study, *PLoS ONE* 16(10): e0258757. <https://doi.org/10.1371/journal.pone.0258757>

Mohammed A-R

1. **Mohammed, A.-R.**, Kosonogov, V., & Lyusin, D. (2022). Is emotion regulation impacted by executive functions? An experimental study. *Scandinavian Journal of Psychology*. 63(3), 182-190. <https://doi.org/10.1111/sjop.12804>
2. **Mohammed, A.-R.**, & Lyusin, D. (2022). The effect of an induced negative mood on the updating of affective information. *Cognitive Processing*, 23(1), 91-98. <https://doi.org/10.1007/s10339-021-01060-3>

Adam Y.M.

1. Issah, H., Abukari, S. and **Adam, Y. H.** (2022). Cultural Barriers to Exclusive Breastfeeding among Children Aged 0-6 Months in Tamale Metropolitan Area of Ghana. *Annals of Medical Laboratory Science* (2022) 2(1): 1 - 12. <https://doi.org/10.51374/annalsmls.2022.2.1.0053>
2. Abukari S, Issah, H. and **Adam Y. H** (2022). I Cannot Treat Stupidity: The Function of Divination in Planning and Managing Life Crisis within the Dagbong Traditional Society in Northern Ghana. *Open Journal of Social Sciences*. https://doi.org/10.4236/****.2022

Haruna U.

1. **Haruna, U.** (2022). *Changing Structure and Functions of the Family in Urban Tamale: Decline or Resilience?* CHAPTER 13: In Steve Tonah (Eds) *Family Structure and Marriage Patterns in Contemporary Ghana*, Woeli Publishers
2. **Haruna, U.**, Woods, H., Kansanga, M., Konkor, I., Dixon, J., & Luginaah, I. (2021). Enablers and barriers of community initiated health emergency transport systems in the Upper West Region of Ghana. *African Geographical Review*, 1-18. <https://doi.org/10.1080/19376812.2021.1885458>

Mohammed I.

1. Doat, A. R., Amoah, R. M., Konlan, K. D., Konlan, K. D., Abdulai, J. A., Kukeba, M. W. **Mohammed I**, and & Saah, J. A. (2022). Factors associated with pregnancy uptake decisions among seropositive HIV people receiving antiretroviral therapy in sub-Saharan Africa: A systematic review. *Nursing Open*.

Abukari S.

1. Issah, H., **Abukari S.**, Adam H.Y. (2022) Cultural Barriers to exclusive breast feeding among children of 0-6 months in Tamale Metropolitan area of Ghana, *Annals of Medical Laboratory Sciences*, 2 (1):1-12.
2. **Abukari, S.**, Issah, H., and Adam, Y.H. (2022) I cannot treat Stupidity: The function of divination in planning and managing life crisis within the Dagbon traditional society in northern Ghana. *Open Journal of Social Sciences*, 10:420-439
3. Issah, H., **Abukari, S.**, and Awal, I. (2022) Knowledge of Contraceptives, knowledge and types, and identified challenges to contraceptives use among undergraduate nursing in the university for Development Studies. *Open Access Library Journal*, 9:e8530.
4. Suara, S.B., Ziblim, S., **Abukari, S.**, Adongo, B. I., and Sulemani B. H. (2022) Association of Dietary Diversity and Socio-economic factors with Anthropometric failure among Children (6 to 23 months Old) in Sagnerigu Municipality. *South Asian Research Journal of Medical Sciences*, 4(2):19-30.
5. Suara, S.B., Ziblim S., **Abukari S.**, Nathaniel N. S., and Sulemani B.H. (2022). House hold food insecurity is a predictor of acute malnutrition but not chronic malnutrition among children (6-59 months old). A cross sectional study in the Tamale South Constituency. *South Asian Research Journal of Medical Sciences*, 4(2):31-36.
6. **Abukari, S.**, Agbenyefia G. M., and Akortey M. K. (2022) Islamic Religion and the Management and Resolution of mental illness in Ghana. *Researchjournali's Journal of Sociology*, 10(1):2347-8241.
7. **Abukari, S.**, Agbenyefia, G.M., and Akortey M.K. (2021) Religion and Mental Health in Ghana: The Christian Perspective. *ADRRJ Journal of Medical and Biomedical Research, Ghana*, 3(1):10-24.
8. **Abukari, S.**, Adam, Y.H., and Issah, H. (2021) Divination and Health Decision-making among the Dagomba in the Northern Region. *Africa Development and Resources Research Institute Journal, Ghana*, 30(7):55-78.
9. **Abukari, S.**, Issah, H., Adams, Y., Zogli, K. E., and Bonney, p. (2021). Prevalence and Type of Sexual Dysfunction among Female Medical Students. *Annals of Medical Laboratory Sciences*, 1(2):18-29

Hikimatu, Z.,

1. Hikimatu, Z., Mustafa, A., & Agoke, W. (2021). Delivery of Preconception Counselling Services: The Snags of Health Care Service Providers. *American Journal of Health, Medicine and Nursing Practice*, 6(5), 10-24. <https://doi.org/10.47672/ajhmn.848>

FACULTY OF EDUCATION (FOE)

The Faculty of Education (FoE) offers programmes geared towards addressing the administrative and management challenges in education, educational quality and national development needs. These programmes are designed to respond to ongoing teaching and learning, research and dissemination.

The Faculty currently has nine (9) Departments; eight (8) in Tamale and one (1) in Nyankpala with various programmes running and fifty-seven (57) Teaching staff comprising of PhD and Masters' holders' in various specializations and twenty-one (21) Administrative staff. The Departments are as follows:

1. Department of Humanities and Social Science Education
2. Department of Agriculture and Consumer Science Education
3. Department of Basic Education Studies
4. Department of Educational Foundations Studies
5. Department of Health Science Education
6. Department of Educational Management and Policy Studies
7. Department of Mathematics and ICT Education
8. Department of Science Education
9. Department of Business Education

The Department of Basic Education Studies, Department of Educational Foundations Studies, Department of Agriculture and Consumer Science Education and the Department of Health Science Education are the existing departments of the faculty. The other departments are newly created so some of them are yet to enrol students.

The Faculty also has two (2) service units which:

1. The Professional Education Services Unit, and
2. The Centre for Educational Innovation and Leadership.

Office of the Dean

Staff

Name	Qualification	Rank/Position
<i>Ibrahim, M. G.</i>	<i>B.Ed. (UCC, Cape Coast, Gh.) M.A (UG, Ghana), PhD. (Keele)</i>	<i>Senior Lecturer / Dean</i>
<i>Issaka, C.A</i>	<i>B.Ed., M.Phil., Ph.D (UEW, Winneba, Gh.)</i>	<i>Senior Lecturer/ Vice-Dean</i>
<i>Yakubu, R.</i>	<i>HND (Cape Coast), M.A. (Bradford)</i>	<i>Assistant Registrar</i>
<i>Ofori, A. G.</i>	<i>HND (TaTU, Tamale, Gh.), B.A, M.A. (UCC, Cape Coast, Gh.), ChPA, CMC(Ghana)</i>	<i>Junior Asst. Registrar</i>

Department of Humanities and Social Sciences Education

Student population

Programme	Male	Female	Total
B.Ed Social Science	124	93	217
Grand Total	124	93	217

Staff

Name	Qualification	Rank/Position
Yirbekyaa, E.K.	B.Ed., M.Phil. (UEW, Winneba, Gh).	Lecturer/Ag. HoD
Nyatsikor, M.K.G.	B.Ed., M.Phil. (UCC, Cape Coast, Gh), PhD (Aberdeen, UK).	Lecturer
Bariham, I.	B.Ed., M.Ed. (UEW, Winneba, Gh), PhD (Nairobi, Ken).	Lecturer
Awudu, R	B.Ed., M.Phil. (UCC, Cape Coast, Gh).	Lecturer
Abdulai, R.	B.Ed., M.Phil. (UCC, Cape Coast, Gh)	Lecturer
Abdulumumin, M. Z.	B.A (Madina –SA), M.A (Malesia) Arabic as 2 nd Language. PhD	Lecturer
Nindow, M.O.	B.A., M.Phil. (UEW, Winneba, Gh)	Asst Lecturer
Abire, S.A.	B.Ed., M.Ed, M.Phil.(UEW, Winneba, Gh)	Asst. Lecturer
Fuseini, I	B.Ed., (UEW, Winneba, Gh) M.Phil. (KNUST, Kumasi, Gh)	Asst Lecturer

Publications

Yirbekyaa, E. K.

Iddrisu, B., **Yirbekyaa, E. K.** & Bordoh, A. (2022). Teachers Perspective on Redesigning Social Studies Curriculum for Student-Centered and Constructivist Learning: Empirical Study of Secondary Schools, Northern Region. *Social Education Research*, 3(2), 307-320.

Yirbekyaa, E. K., Kuuder, C.J. W., & Mohammed, I. (2021). Undergraduate Students' Perceptions of Tourism and Hospitality Career Education in Ghana. *Advances in Social Sciences Research Journal*, 8(10), 175-188.

Nindow, O.

Nindow, M. O (2022). Strategies Employed by Dagbamba Drummers in Revealing the Identity of their Patrons. *International Journal of Language, Literature and Culture*. 2(3), 32-39.

Fuseini, I.

Fuseini, I., Gunu, I.M. & Gaddafi. A. (2021). Security and data consumption as a major nuisance of social media on Wi-fi Network. *International Journal of Communications and Network Sytems*. Scientific Research Publishing. (SCIRP).

Gunu, I.M., **Fuseini, I.**, & Ibrahim, N. (2021). COVID 19 and online teaching and learning: unmasking digital exclusionary issues in Higher Education in Ghana. *Journal of Media and Communications*, SAGE publications.

Abire, S. A.

Dable, G.S., & **Abire, S.A.** (2022). Use of chimeric expression as last resource of unfortunate situation in Calixthe Beyala's *C'est le Soleil Qui M'a Brûlée* and *Tu t'appelleras Tanga*. *Western African Literary and Cultural Studies*.2,(1).

Abire, S.A. Afari, E.S.K. & Kodah, M.K. (2022). Mensonges des hommes politiques africains dans "En attendant le vote des bêtes sauvages d'Ahmadou Kourouma. *Collection FLE/FLA*,3, (5):53-62. Kenyatta University, Kenya.

Mahaman, M. A.

Mahaman, M. A (2022). Analysis of Phonological Errors made by student of Arabic Specialism in Al-Faruq College of Education – Ghana (تحليل الأخطاء الصوتية لدى طلاب)
 تخصص العربية في كلية الفاروق بدولة غان 15th international education community symposium – 2022, Istanbul,

Department of Agriculture and Consumer Science Education**Student Population**

Programme	Male	Female	Total
Diploma in Agriculture Education	78	12	90
B.Ed. in Agriculture Education	168	35	203
B.Ed. in Family and Consumer Science Education	04	35	39
M.Ed. in Agriculture Science (Sandwich)	06	0	06
MPhil Agriculture Science Education	08	03	11
Grand Total	264	85	349

Staff

Name	Qualification	Rank/Position
Abujaja, M. A	Dip. Ed., B.Ed. (UEW, Winneba, Gh), MPhil. PhD (UDS, Tamale, Gh)	Snr Lecturer/HOD

Publications

Zakaria, H., Obeng, F. K., Quainoo, A. K., **Abujaja, A. M.** (2022). Prospects and Constraints faced by Smallholder Farmers in the Cultivation of GM crops: A Case Study from Northern Ghana. *Africa Journal of Agricultural Research*. 18(3): 221-230.

Alhassan, H., Owusu-Sekyere, E., **Abujaja, A. M.** (2021). Teaching And learning in 'Crisis' Situation: Students' Experiences with Online Teaching and Learning Pedagogies in Ghana During the Covid-19 Crises. University for Development Studies. *14th Annual Interdisciplinary Conference (AIC)*. Book of Abstract.

Department of Basic Education Studies

Student Population

Programme	Male	Female	Total
Diploma in Early Childhood Care & Education	45	106	151
Diploma in Basic Education (Sandwich)	5	15	20
Diploma in Basic Education (Regular)	475	657	1132
B.Ed in Basic Education	371	587	958
B.Ed in Early Childhood Care & Education	92	167	259
Grand Total	988	1,532	2,520

Staff

Name	Qualification	Rank/Position
Mohammed, B. Z.	B.Ed., M.Phil. (UCC, Cape Coast, Gh)	Lecturer /HoD
Yamoah, M.	B.Ed. (UEW, Winneba, Gh), M.Phil. (Oslo)	Lecturer
Agbeke, W. K.	B. Ed., M.Phil. (UK)	Senior Lecturer
Awudu, R.	B.Ed., M.Phil. (UCC, Cape Coast, Gh)	Lecturer
Obeng, M.	B.Ed., M.Phil. (UEW, Winneba, Gh.)	Lecturer
Addo-Kissiedu, K.	B.Ed., M.Phil. (UCC, Cape Coast, Gh))	Lecturer
Asah-Akuffo, F.	B.Ed., M.Phil. (UEW, Winneba, Gh)	Lecturer
Apaabe, R. F.	Cert 'A', B.Ed., M.Phil. (UEW, Winneba, Gh)	Assist. Lecturer

Department of Educational Foundations Studies

Student Population

Programme	Male	Female	Total
MPhil Special Education	6	5	11
Postgraduate Diploma in Education	20	18	38
Grand Total	26	23	49

Staff

Name	Qualification	Rank/Position
Issaka, C. A.	B.Ed., M.Phil., Ph.D. (UEW, Winneba, Gh)	Senior Lecturer /Vice-Dean
Iddrisu, A. S.	B.Ed., (UEW, Winneba, Gh), M.Phil. (UCC, CapeCoast, Gh)	Lecturer /Ag. HoD
Mahama, A.	B.Ed., M.Phil. (UDS, Wa, Gh)	Lecturer
Agoke, W.	B.Ed., M.Phil. (UDS, Tamale, Gh)	Assist. Lecturer
Issahaku, J.	B.Ed., (UCC, Cape Coast, Gh), M.Phil.	Assist. Lecturer
Evadzi, C.	B.A., (CU, Accra, Gh), PostDip (Cath. Fiapre, Gh) M.Phil. (UEW, Winneba, Gh), Ph.D. (UCC, Cape Coast, Gh)	Lecturer
Iddrisu, R.	B.Ed., M.Phil. (UCC, Cape Coast, Gh)	Assist. Lecturer
Nyame, I.	B.Ed., M.Phil. ((UCC, Cape Coast, Gh)	Assist. Lecturer

Publications

ISSAKA, C. A.:

Issaka, C. A., Mahama, A. & Fatima, I. A. (2022). Examining the Snags of Access to Covid-19 Information among the Deaf Community in Ghana. *International Journal of Research and Innovation in Social Science*, 6(4): 654-662.

Issaka, C. A., Nyame, I. & Fatima, I. A. (2021). Perceived Stress and Coping Mechanisms among Teachers in Three Special Schools in the Northern Parts of Ghana. *Universal Journal of Psychology* 9(2): 9-22.

Issaka, C. A., Isaac, N. & Fatima, I. A. (2021). Influence of Parental Expectations and Involvement on the Learning Outcomes of Children with Special Educational Needs in Tamale. *Universal Journal of Educational Research*, 9(8): 1544-1551.

NYAME, I.:

Issaka, C. A., Nyame, I. & Fatima, I. A. (2021). Influence of Parental Expectations and Involvement on the Learning Outcomes of Children with Special Educational Needs in Tamale. *Universal Journal of Educational Research*, 9(8): 1544-1551.

Issaka, C. A., Nyame, I. & Fatima, I. A. (2021). Perceived Stress and Coping Mechanisms among Teachers in Three Special Schools in the Northern Parts of Ghana. *Universal Journal of Psychology* 9(2): 9-22

Department of Health Science Education

The Department of Health Science Education does not currently have students

Staff

Name	Qualification	Rank/Position
Abasimi, E.	B.A., M.Phil., Ph.D. (UG. Ghana), Ph.D. (NENU, China)	Senior Lecturer/HoD
Abudu, A. M.	B.Ed., M.Phil., Ph.D. (UCC, Cape Coast, Gh.)	Senior Lecturer
Mohammed, I.	B.Ed., Tamale; M.Phil. (KNUST, Kumasi, Gh.)	Assist. Lecturer

Department of Educational Management and Policy Studies

Student Population

Programme	Male	Female	Total
M.Phil. Training and Development			25
M.Phil. Educational Management and Planning			11
M.Phil Guidance and Counselling	5	1	6
Grand Total	5	1	32

Staff

Name	Qualification	Rank/Position
<i>Ibrahim, M. G.</i>	<i>B.Ed., UCC, Cape Coast, Gh), M.A., (UG, Ghana), PhD (Keele)</i>	<i>Senior Lecturer /Dean</i>
<i>Quansah, J. Y. D.</i>	<i>B.Ed., M.Phil. (UCC, Cape Coast, Gh)</i>	<i>Senior Lecturer (HoD)</i>
<i>Donkor, K. A.</i>	<i>B.A. (UG, Ghana), M.Ed. Ph.D. (N. Kentucky, USA)</i>	<i>Associate Professor</i>
<i>Mohammed, M. A.</i>	<i>B.Sc. (KNUST, Kumasi, Gh), M.A, Ph.D. (IUP, Ind. USA).</i>	<i>Lecturer</i>
<i>Asante, T.</i>	<i>B.A. (UCC, Cape Coast, Gh), M.A., M.S., Ph.D. (Scranton)</i>	<i>Senior. Lecturer</i>

Publications**Ibrahim, M. G.**

Ibrahim, M. G. (2022). Distributed Leadership and Positive Behaviour Management in Ghanaian High Schools: Contextualisation of theory and practice. *International Journal of Social Science Research and Review* 5(9).

Ibrahim, M. G. (2022). The Nexus Between Education and Life Expectancy in Ghana: Critical Analysis on the Impact of Educational Policies. *International Journal of Advanced Research in Education and Society*, 4 (3), 63-70.

Ibrahim. M. G., Nantomah, I. & Inusah, F. (2022). Assessing Information and Communication Technology (ICT) Integration into the Curriculum of Ghanaian Pre-Tertiary Schools: A Case Study of Sagnerigu Municipality. *International Journal of Education and Development using Information and Communication Technology (IJEDICT)*, 18 (1): 253-263.

Iddrisu, I., **Ibrahim. M. G.** & Abdul-Rahaman, N. (2022). "Challenges of School Feeding in Ghana: Its Effect on Enrolment and Attendance." *Social sciences & humanities open*, 6(1), 100285

Ibrahim. M. G. & Yakubu, I. N. (2022). The Impact of Government Educational Expenditure Policy and School Enrolment on Economic Growth in Ghana (1970-2017). *Asian Journal of Research in Education and Social Sciences*, 3(4), 107-117.

Achanso, A. S., **Ibrahim, M. G.** & Konlan, T. D. (2021). Parental involvement in children's Education: A case study of Pagnatik Junior High School, Bunkpurugu Yunyoo District, North East region, Ghana. *African Journal of Sustainable Development*, 11 (3).

Mahama, A., Mohammed, I., & **Ibrahim, M. G.** (2022). Aligning the Working Needs of Teachers to Continuous Professional Development Programmes in the Nanumba North District of Ghana: Interrogation within the Ambience of Policy and Practice. *European Journal of Education and Pedagogy*, 3(1), 7-15.

Achanso, A. S., **Ibrahim, M. G.**, & Mohammed, A-R. (2021). The Nexus between Good Governance and Citizen Participation in Local Governance Insights from Afro-Barometer Round 7. *African Journal of Sustainable Development*. 11 (3).

Ibrahim. M. G., Siibaway, M., & Achanso, A. S. (2021). Assessing the Challenges and Coping Strategies Adopted by Street Children of School Going Age in the Tamale Metropolis: Policy Implications. *Advances in Social Sciences Research Journal*, 8(12): 283-297.

Inusah, F., **Ibrahim, M. G.**, & Abdul-Salaam, G. (2021). Security Threat and Data Consumption as Major Nuisance of social media on Wi-Fi Network. *International Journal of Communications, Network and System Sciences*, 14(02):15.

Department of Science Education

Staff

Name	Qualification	Rank/position
Ansah, E.	Cert 'A', B.Ed., M.Phil. (UEW, Winneba, Gh.)	Lecturer
Sam, C. K.	Cer 'A', B.Ed., M.Phil. (UDS, Tamale, Gh.)	Assist. Lecturer/Ag. HoD
Wodah, D.	B.Ed., (UEW, Winneba, Gh.), M.Phi., PhD (Aberdeen, UK)	Lecturer

Department of Mathematics, Information and Communication Technology Education

Programme	Male	Female	Total
B.Ed in Information Communication Technology (L. 100)	4	5	9
Diploma in Information Communication Technology (L. 100)	-	6	6
Grand Total	4	11	15

Staff

Name	Qualifications	Rank/Position
Abubakari, B.	B.Ed., ((UCC, Cape Coast, Gh), M.Phil. (KNUST, Kumasi, Gh), PhD (UDS, Navrongo, Gh)	Assist. Lecturer/Ag. HoD
Sulemana, K.	B.Sc., (UEW, Winneba, Gh), M.Phil. (UEW, Winneba, Gh)	Assist. Lecturer
Inusah, F.	B.Sc. (UEW, Winneba, Gh), M.Phil. (KNUST, Kumasi, Gh)	Assist. Lecturer
Adam, A.	B.Ed., M.Phil. (UCC, Cape Coast, Gh)	Assist. Lecturer/ Faculty Exams Officer
Nantomah, I.	B.Ed.(UEW, Winneba, Gh), M.Phil.(KNUST, Kumasi, Gh)	Assist. Lecturer

Publications

ABUBAKARI, B

Abubakari, B., Iddrisu, M. M. & Nantomah, N. (2022). q-Analogue of Nth Order Opial's Integral Inequality and Its Extensions, *Asian J. Math. Appl.*: 11.

Abubakari, B., Iddrisu, M. M. & Nantomah, K. (2021). On (p, q)-Analogues of Some Generalized Opial's Integral Inequalities, *J. Math. Comput. Sci.*, 11(6): 6773 - 6785.

INUSAH, F

Ibrahim. M. G., Nantomah, I. & **Inusah, F.** (2022). Assessing Information and Communication Technology (ICT) Integration into the Curriculum of Ghanaian Pre-Tertiary Schools: A Case Study of Sagnerigu Municipality. *International Journal of Education and Development using Information and Communication Technology (IJEDICT)*, 18 (1): 253-263.

- Inusah, F.**, Missah, Y. M., Ussiph, N., & Twum, F. (2021). Expert System in Enhancing Efficiency in Basic Educational Management using Data Mining Techniques. In *IJACSA) International Journal of Advanced Computer Science and Applications*, 12(11).
- Inusah, F.**, Ibrahim, M. G. & Abdul-Salaam, G. (2021). Security Threat and Data Consumption as Major Nuisance of social media on Wi-Fi Network. *International Journal of Communications, Network and System Sciences*, 14(02):15.

NANTOMAH, I

- Ibrahim, M. G., **Nantomah, I.** & Inusah, F. (2022). Assessing Information and Communication Technology (ICT) Integration into the Curriculum of Ghanaian Pre-Tertiary Schools: A Case Study of Sagnerigu Municipality. *International Journal of Education and Development using Information and Communication Technology (IJEDICT)*, 18 (1): 253-263.
- Soma, A., **Nantomah, I.** & Adusei, R. (2021). The Challenges Facing the Integration of ICT in Ghanaian Educational System: A systematic Review of Literature, *International Journal of Humanities Social Sciences and Education*, 8(11):1-9

AWOLU, F

- Assuah, C. K., Sabtiwu, R., Armah, R. B., Abedu, G., & **Awolu, F.** (2022). Pass or Failure of Students in The "WASSCE" Mathematics Mock Examination: The Binary Logistic Regression Model. *International Journal of Education, Learning and Development*, 10(4), 38-56.
- Assuah, C. K., Armah, R. B., Sabtiwu, R., Abedu, G., & **Awolu, F.** (2022). The Multinomial Logistic Regression Model's Utility to Assess Parameters in Predicting Junior High School Students' Preference for Selected Mathematics Topics. *American Journal of Education and Information Technology*, 6(1), 31-38.

Department of Business Education Studies

Students' Population

Programme	Male	Female	Total
L. 100	13	06	23
L. 200	12	11	19
Grand Total	25	17	42

Staff

Name	Qualification	Rank/Position
Mohammed, I.	B.Ed., M.Phil., Ph.D. (Mthatha, South Africa)	Snr. Lecturer/HOD
Wuripe, A.	B.A. (Ghana), M.A. (Erasmus UDH, NLD), Ph.D. (DEU, Izmir, Turkey)	Lecturer
Iddrisu, I.	B.A. (UDS, Tamale, Gh), M.B.A. (Beijing), Ph.D. (Hefei, China)	Lecturer

Publications

MOHAMMED, I.

- Mohammed, I.**, and Abdulai, R. (2022). Factors Affecting Secondary School Teachers' Motivation in the Elliotdale Circuit, South Africa. *African Educational Research Journal*, 10(3): 211-218.
- Lukman, Y., Gobingca, Z. and **Mohammed, I.** (2022). Analysing the Variables that Cause Conflict among Secondary School Teachers: Interpretivists Perspectives. *PONTE International Journal of Sciences and Research*, 78 (2): 26-36.
- Mahama, A. **Mohammed, I.** and Gunu, M. I. (2022). Aligning the Working Needs of Teachers to Continuing Professional Development Programmes in the Nanumba North District of Ghana: Interrogation within the Ambience of Policy and Practice. *European Journal of Education and Pedagogy*. 3 (1):7-15
- Yirbekyaa, E. K. Kuuder, W. C. J. and **Mohammed, I.** (2021). Undergraduate Students' Perceptions of Tourism and Hospitality Career Education in Ghana. *Advances in Social Sciences Research Journal*, 8(10):175-188.

IDDRISU, I.

- Iddrisu, I.**, Ibrahim, M. G. and Nurudeen, A. R (2022). *Challenges of School Feeding in Ghana: Its Effect on Enrolment and Attendance*. *Social Sciences and Humanities Open*, 6(2022) 100285

Centre for Educational Innovation and Leadership

Staff

Name	Qualification	Rank/ Position
Iddrisu, I.	B.A. (UDS, Tamale, Gh), M.B.A. (Beijing), Ph.D. (Turkey)	Lecturer/ Coordinator
Anaadumba, H. Z.	B.Ed., M.Phil. (UEW, Winneba, Gh)	Assist. Lecturer
Abdulai, N-L.	B.Ed., (UEW, Winneba, Gh.), M.Phil. (UDS, Tamale, Gh)	Assist. Lecturer

Professional Education Practice Unit

Name	Qualification	Rank/ Position
Addo-Kissiedu, K.	B.Ed., M.Phil. (UCC, Cape Coast, Gh)	Lecturer/Coordinator

FACULTY OF SUSTAINABLE DEVELOPMENT STUDIES

The Faculty of Sustainable Development Studies (FoSDS) of the University for Development Studies was carved out of the Faculty of Education (FoE) on October 1, 2020, to spearhead teaching, learning, and research in community, national and international development, sustainable and inclusive development, and innovation, among others. The Faculty aims to demonstrate leadership in scholarship focused on change, innovation, and sustainability at community, national and global levels. FoSDS prioritises high-impact teaching and learning through a combination of tools, such as community and industry engagement, local and international exchanges, and learning.

The Faculty currently offers diploma, degree, and postgraduate programmes in Development Education Studies at the Department of Development Management and Policy Studies (DMPS), which was its foundation academic department.

The Faculty currently has four departments and one centre as follows;

- Department of Community Development Studies
- Department of Development Management and Policy Studies
- Department of Planning and Land Administration
- Department of Sustainable Development Studies
- Centre for Peace and Security Studies

The remaining three departments and the centre are at various stages of seeking accreditation to roll out academic programmes. The Faculty has a staff strength of 59. This number consists of 53 senior members and six senior staff.

Student Population

Programme	Male	Female	Total
Diploma in Development Education Studies	204	139	343
Bachelor of Arts in Development Education Studies	548	426	974
Master of Arts in Development Education Studies	1	1	2
Master of Philosophy in Development Education Studies	14	11	25
Grand Total	767	577	1,344

Office of the Dean

Name	Qualification	Rank/Position
Achanso, A.S.	B.A. (Ghana), Ph.D. (Lincoln)	Senior Lecturer/Dean
Musah, A.	B.Com. (UCC, Cape Coast, Gh), M.Sc (Bergamo, Italy), Ph.D. (UDS, Tamale, Gh), FCCA	Senior Lecturer/ Vice-Dean
Mensah, M.A.	Dip. Ed., B.Ed. (UEW, Winneba, Gh), M.Phil. (UCC, Cape Coast, Gh), Ph.D. (ECU, Perth, Australia), ChPA, CMC (Accra, Gh)	Assistant Registrar /Faculty Officer

Publications**Mensah, M.A.**

1. **Mensah, M.A.** (2022). Attitudes constraining the inclusion of people with disabilities in a Ghanaian public university: Student and staff perspective. *European Scientific Journal, ESJ*, 18(22), 85-103.
2. **Mensah, M.A.** (2022). Internal quality assurance practices in higher education: Evidence from a Ghanaian university. *European Journal of Education Studies*, 9(7), 301-325.
3. **Mensah, M. A.** (2022). Financing inclusive higher education for people with disabilities in Ghanaian universities: Perspective of policymakers. *ADRRI Journal of Arts and Social Sciences*, 19(7), 1-16.

Department of Community Development Studies**Programmes**

The Department has received administrative approval from GTEC for its academic programmes.

Staff

Name	Qualification	Rank/Position
Bukari, F.I.M.	B.A., M.Phil. (UDS, Tamale, Gh), Ph.D. (UCC, Cape Coast, Gh).	Senior Lecturer/ HoD
Duorinaah, E.	B.A. (Ghana), M.A. (UCC, Cape Coast, Gh), Post Grad. Dip. (ISS, The Hague, NL), Ph.D. (UDS, Tamale, Gh)	Lecturer, Coordinator, Quality Assurance
Pealore, Z.	B.A. (UDS, Tamale, Gh), M.Sc. (Stuttgart, Germany), Ph.D. (UDS, Tamale, Gh)	Lecturer
Mumin, A.A.	B.A. (Ghana), MA., Ph.D. (KNUST, Kumasi, Gh)	Lecturer
İbrahim, R.	B.A., M.Phil. (UDS, Tamale, Gh)	Lecturer
Abagre, C.I.	B.A., M.Phil. (UDS, Tamale, Gh)	Lecturer
*Marley, G.N.	B.A. (UDS, Tamale, Gh), M.Phil. (UCC, Cape Coast, Gh)	Lecturer
Sulemana, T.A.	B.A., M.Phil. (UDS, Tamale, Gh)	Assistant Lecturer
Agalga, S.	B.A., M.Phil. (UDS, Tamale, Gh)	Assistant Lecturer
Gyasi, K.A.	B.A. (Ghana), M.Phil. (UDS, Tamale, Gh), Dip. Ed. (UEW, Winneba, Gh)	Assistant Lecturer

Publications

Bukari, F.I.M.

1. **Bukari, F.I.M.**, Yembila, N.C., Adjuik, Y.R., & Sumani, B.J.B. (2022). Stakeholders in Ghana's water sector development and implications on rural water tariff payment: A review. *Water International*, 1-23.
2. Bukari, F.I.M. (2022). Connecting Ghana Water Company Limited's services to rural and peri-urban areas: Tariff and access implications. In Peprah, K., Kanton, I. O., Aabeyir, R. & Baguri, S. J. B. (Eds.), *Environment and resource management in Ghana* (pp. 154-178). Accra: Woeli Publishing Service.
3. **Bukari, F.I.M.**, Peprah, K., Yembilah, N. N., Afedzi, R. & Sumani, J. B. B. (2021). Implications of malaria incidence on farmers' productivity in rural Ghana: Empirical analyses from Tanina Community, Upper West Region. *Journal of Planning and Land Management*, 2(1), 39- 49.

Pealore, Z.

1. Adatuu, R., **Pealore, Z.** & Gyader, G. (2021). Village savings and loans association model, microfinance and rural women livelihood in the Kassena Nankana West District of Ghana. *Global Scientific Journal*, 9(9), 2266-2284.

Mumin, A. A.

1. **Mumin, A. A.** & Iddrisu, S. (2022). Employee turnover and job satisfaction: A synthesis of factors influencing employee turnover in institutions of higher learning in Ghana. *International Journal of Educational Policy Research and Review*, 9(4), 104-111

*Marley, G.N.

1. **Marley, G.**, Bazaanah, P., & Oppong, P. (2022). Examining the role of NGOs in community water and sanitation improvement: A case of the Tunayilli Community in the Northern Region, Ghana. In Nojiyeza, I. S., Mtapuri, O., Bazaanah, P. & Netshiozwi, E. E. (Eds), *The handbook of research on resource management and the struggle for water sustainability in Africa* (pp. 47-76). Hershey, PA, USA: IGI Global Book Series, PPPS.

Department of Development Management and Policy Studies

Programmes

- Diploma, Development Education Studies
- Bachelor of Arts, Development Education Studies
- Master of Arts, Development Education Studies
- Master of Philosophy, Development Education Studies

Staff

Name	Qualification	Rank/Position
Mohammed, A-R	B.A. (Ghana), M.Sc. (London, UK), Ph.D. (Sheffield, UK)	Senior Lecturer/HoD
Achanso, A.S.	B.A. (Ghana), Ph.D. (Lincoln)	Senior Lecturer/Dean

Musah, B. I.	B.A., M.A. (Ghana), M.Phil. (Bergen, Norway), Ph.D. (Justus-Liebig, Giessen, Germany)	Lecturer/Coordinator Graduate Programmes
Adusei, R.	B.Sc., M.Phil. (UDS, Tamale, Gh)	Assistant Lecturer/ Faculty Exam Officer
Majialuwe, K.E.	B.A., M.Phil. (UDS, Tamale, Gh)	Assistant Lecturer/ Coordinator, DCROP
Abdulai, A.M.	B.A. (Ghana), M.Hsc. (IIUM, Malaysia), Ph.D. (UKM, Bangi, Malaysia)	Lecturer
Ibrahim, A.I.	B.A., M.Phil. (UDS, Tamale, Gh)	Lecturer
Ahenkorah, J.K.	B.A., M.Phil. (UDS, Tamale, Gh)	Lecturer
Mohammed, S.	B.A., M.Phil. (UDS, Tamale, Gh)	Assistant Lecturer
Al-hassan, Y.D.	B.A. (UDS, Tamale, Gh), M.Sc. (KNUST, Kumasi, Gh)	Assistant lecturer
Nahyi, J.A.	B.A. (UDS, Tamale, Gh), M.Phil. (Ghana)	Assistant Lecturer
Agamba, M.A.	B.A., M.Phil., (UDS, Tamale, Gh)	Assistant Lecturer
Dei, D.	B.A. (UDS, Tamale, Gh), M.Sc. (KNUST, Kumasi, Gh)	Assistant lecturer
Damba, H.M.	Dip. (UEW, Kumasi, Gh), B.A. (UDS, Tamale, Gh), M.Phil. (Ghana)	Assistant Lecturer

Achanso, A.S.

2. Shanunu, Z., **Achanso, A. S.**, & Mumuni, E. (2022). Connecting traditional belief systems, natural resource conservation, and sustainability in West Gonja traditional area of Ghana. *Journal of Energy and Natural Resource Management (JENRM)*, 8(1), 17-25.
3. Anab, C, Abazaami, J., & **Achanso, S. A.** (2021). Sustaining the peace, security, and stability in Northern Ghana: What does it take? *Journal of Education Review (JER)*, 13(1), 90-99.
4. Ibrahim, M. G., Siibaway, M., & **Achanso, A. S.** (2021). Assessing the challenges and coping strategies adopted by street children of school-going age in the Tamale Metropolis: Policy implications. *Advances in Social Sciences Research Journal*, 8(12), 283-297.
5. Shanunu, Z., **Achanso, A. S.**, Gadafi, I. M., & Sulemana, I. (2021). Cultural/customs and traditional belief systems that impact participation of females in sports/games and physical activities: The case of Colleges of Education in Northern Region-Ghana. *International Journal of Research and Innovation in Social Science (IJRISS)*, 5(10), 515-527.
6. **Achanso, A. S.**, Benson, G. H. and Zuure, D. N. (2021). Factors influencing voters' choice in elections in Ghana: A case study of the Kumbungu constituency of the Northern Region. *American Journal of Leadership and Governance*, 6(2), 1-15.

Mohammed, A-R

1. Mohammed, A-R. (2022). Social protection during the Covid-19 Pandemic: Time to rethink expanding coverage in Sub-Saharan Africa? *European Journal of Humanities and Social Sciences*, 2(1), 72-79.
2. Mohammed, A-R. (2022). Service providers as street-level bureaucrats: Evidence of rationing services and discriminating among clients in northern Ghana. *Journal of Policy Practice & Research*, 3(3), 180-193.
3. Mohammed, A-R. (2022). Children's lives in an era of school closures: Exploring the implications of COVID-19 for child labour in Ghana. *Children & Society*, 2(3), 1-15.

4. Mohammed, A-R. (2022). Quietly bearing the brunt of austerity in school: A qualitative study into children's experiences of food insecurity in Ghana. *International Social Science Journal*, 72(244), 371-384.
5. Achanso, A.S., Ibrahim, Gunu, I.M., & **Mohammed, A-R.** (2022). The nexus between good governance and citizen participation in local governance: Insights from Afrobarometer Round 7. *African Journal of Sustainable Development*, 11(3), 1-15.

Mohammed, S.

1. Ibrahim M.G., **Siibaway, M.** & Achanso, A.S. (2021). Assessing the challenges and coping strategies adopted by street children of school-going age in the Tamale Metropolis: Policy implications. *Advances in Social Science Research Journal*, 8(12), 283-297
2. **Majialuwe, K. E.** Dartey S., Feng Y., Manu B.D., Amoabeng S.M., & **Majialuwe E. K.** (2021). A case study on the influencing factors of service quality on customer satisfaction in the banking sector: The case of Ga-West Municipality. *International Journal of Business and Management Invention (IJBMI)*, 10(2), 1-9.

Department of Planning and Land Administration

Programmes

The Department has received administrative approval from GTEC for its academic programmes.

Staff

Name	Qualification	Rank/Position
Yakubu, I.	B.A. (UDS, Tamale, Gh), M.Phil. (Ghana), Ph.D. (Stellenbosch, South Africa)	Senior Lecturer/ HoD
Agbeli, G.	B.Sc., M.Sc. (KNUST, Kumasi, Gh)	Assistant Lecturer/ Manager, UDS Guesthouse, Tamale
Dakudjie, J.	B.Sc., M.Sc., (KNUST, Kumasi, Gh)	Assistant Lecturer/ Manageress, Accra Guest House
Mordzeh-Ekpampo, I.M.	B.A. (UDS, Tamale, Gh), Ph.D. (UCC, Cape Coast, Gh)	Lecturer
Akolgo-Azupogo, H.	B.Sc., M.Phil., Ph.D. (UDS, Tamale, Gh), Teachers Certificate 'A' (UCC, Cape Coast, Gh)	Lecturer
Laminu, M. D.	B.A., (UDS, Tamale, Gh), M.Phil., (KNUST, Kumasi, Gh)	Lecturer
*Abindaw, B. A.	B.A., (UDS, Tamale, Gh), M.Sc. (KNUST, Kumasi, Gh)	Lecturer
Yussif, Y.	B.A., (Ghana), M.Sc. (Twente, Netherlands)	Assistant Lecturer
Soale, J.	B.Sc., (KNUST, Kumasi, Gh), M.Sc. (Freiburg, Germany)	Assistant Lecturer
Zakaria, Y. A.	B.Sc., MPhil. (UDS, Tamale, Gh)	Assistant Lecturer
Toku, A.	B.Sc., M.Phil. (UDS, Tamale, Gh)	Assistant Lecturer

Sambo, B.	B.Sc., M.Phil. (KNUST, Kumasi, Gh)	Assistant Lecturer
Abi, V. A.	B.Sc. (UDS, Tamale, Gh) M.Phil. (KNUST, Kumasi, Gh)	Assistant Lecturer

Akolgo-Azupogo, H.

1. Bardy, R., **Akolgo-Azupogo, H.**, Rubens, A. (2022). The role of tribal leaders/traditional leaders in regulating land use and biodiversity among the Gurune-Speaking people of the Upper East Region in Ghana. *Advances in Environmental and Engineering Research*, 3(3), 1-25.
2. **Akolgo-Azupogo, H.**, Rubens, A., & Bardy, R. (2021). Soft skills in developing economies: An African view on the hidden linkage between indigenous knowledge and business perspectives. *Journal of African Studies and Development*, 13(3), 47-58

Toku, A.

1. Owusu-Sekyere, E., Mahama, R., & **Toku, A.** (2021). Mapping the realities of waste crime in urban Ghana. *Ghana Social Science Journal*, 18(1), 25-25.

Department of Sustainable Development Studies

Programmes

The Department has received administrative approval from GTEC for its academic programmes.

Staff

Name	Qualification	Rank/Position
Anab, C.	B.Ed., M.Ed. (UCC, Cape Coast, Gh), M.Sc. (London, UK), Ph.D. (UDS, Tamale, Gh)	Lecturer/HoD
Musah, A.	B.Com. (UCC, Cape Coast, Gh), M.Sc (Bergamo, Italy), Ph.D. (UDS, Tamale, Gh), FCCA	Senior Lecturer/ Vice-Dean
*Yelsang, D.F.	B.A., M.Phil. (UDS, Tamale, Gh)	Lecturer
Aniah, P.	B.A., M.Phil. (UDS, Tamale, Gh), Ph.D. (Ghana)	Lecturer
Abarike, M.A.	B.Sc., M.Phil. (UDS, Tamale, Gh)	Lecturer
Amoah, D. A.	B.A. (UDS, Tamale, Gh), M.Phil (UCC, Cape Coast, Gh)	Lecturer
Issah, A.D.	B.A., M.Phil. (Ghana)	Assistant Lecturer
Iddrisu, T. I.	B.A., M.Phil. (UDS, Tamale, Gh)	Assistant Lecturer
Abdulai, F.	B.Sc., M.Phil. (UDS, Tamale, Gh)	Assistant Lecturer
Doke, T.E.A	B.A. (UDS, Tamale, Gh), M.Phil. (Ghana)	Assistant Lecturer

*Staff on study leave

1. Samuel, M., Halidu, M., & **Hamza, M.** (2022). Beyond arms investment: Interrogating the silent drivers of protracted chieftaincy conflicts in Ghana. *African Journal of Political Science and International Relations*, 16(1), 1-11.

DRYLANDS RESEARCH INSTITUTE (DRI)

The Drylands Research Institute (DRI) of the University for Development Studies was rebranded in 2022 from the name Desert Research Institute which was established in 2018 to augment the number of quality research centres in the University as well as support the University's core mandate at the local, national and international levels through scholarship.

The Institute's main aim is to conduct multidisciplinary studies and research in all fields related to drylands including diverse ecosystems such as deserts, savannahs, and tropical dry forests. The essence of the rebranding was to carve a name that reflects the Institute's aim and scope as the name Desert Research Institute was a misnomer.

Drylands are not wastelands but productive landscapes with considerable economic potential and environmental value. Therefore, research on drylands is important to highlight key emerging threats to drylands and their populations at the local, regional and global levels. Some of the threats include climate change, human activities, biodiversity, and food security challenges. Drylands research ascertains the impacts of different governance frameworks, policies, and legislation related to land use to improve livelihoods and climate change resilience of dryland populations.

DRI-UDS is working in partnership with relevant Faculties, Schools, and Centres within and outside UDS to promote scientific research on social and economic investment and development of drylands in Ghana.

The Institute has also established an Open Access Journal known as the "**Journal of Dryland Ecosystems**" (JDECO). The design and hosting of this new journal have been done, and the Institute is currently receiving and reviewing papers for publication in Volume 1 in 2022. The maiden edition will comprise two Issues in Volume 1, 2022; both online and print. The journal homepage is <http://www.jdeco.org>. Prof. Herbert K. Dei is the Editor-In-Chief of the JDECO.

Staff

Name	Qualifications	Rank/Position
Dei, H. K	B.Sc./Dip. Ed. (UCC, Cape Coast, Gh), M.Sc. (KNUST, Kumasi, Gh),	Professor/Director
Issahaku, A.	B.Ed/Dip. (UEW, Winneba, Gh), MPhil. (UG, Legon, Gh) PhD (KNUST, Kumasi, Gh)	Snr. Research Fellow/ Dept. Director
Gyampo, M. A	BSc, MSc, (KNUST, Kumasi, Gh), PG (UNESCO), PhD (KNUST, Kumasi Gh)	Senior Lecturer
Ekekpi, R. N.	HND. (T- Poly, Takoradi, Gh), B.A. (UPSA, Accra, Gh) MA (UDS, Tamale, Gh), MPhil (UPSA, Ghana)	Jnr. Assistant Registrar /Ag Sectional Head

Anab, C.

1. **Anab, C.**, Abazaami, J. & Achanso, S. A. (2022). Preventing the tragedy of the emerging mineral resource boom in Northern Ghana: What role for Civil Society Organisations? *UDS Journal of Development*, 9(1), 807-818.
2. Abazaami, J., **Anab, C.** & Santuah, N.F. (2022). Farmer-Led research in the quest for climate resilience: Promising dreams bitter challenges. *UDS Journal of Development*, 9(1), 795-806.
3. **Anab, C.**, Abazaami, J. & Achanso, S. A. (2021). Sustaining the peace, security, and stability in Northern Ghana: What does it take? *Journal of Educational Review*, 13(1), 89-99.
4. Anab, C. (2021). Expanding access to social protection services for smallholder farmers impacted by CoVID-19 in Northern Ghana. *Journal of Higher Education and Policy Studies*, 1(1), 33-53.

Musah, A.

1. **Musah, A.** (2022). Indigenous Knowledge and Community Ecological Governance: Lessons from Empirical Cases. *Journal of Contemporary Social Science and Education Studies (JOCSES)*, 2(2), 41-56
2. Yakubu, I. N., & **Musah, A.** (2022). The nexus between financial inclusion and bank profitability: A dynamic panel approach. *Journal of Sustainable Finance & Investment*, 1-14.
3. Abukari, K., **Musah, A.** & Assaidi, A. (2022). The role of corporate sustainability and its consistency on firm financial performance: Canadian evidence. *Accounting Perspectives*, 1-32.

Aniah, P.

1. Aniah P. (2021). Smallholder Farmers' Adaptation Strategies to Changing Provisioning Ecosystem Services in the Sudan and Guinea Savannah Ecological Zones of Ghana. *7th School of Social Sciences International Conference*. College of Humanities, University of Ghana, Legon.

CENTRE FOR PEACE AND SECURITY STUDIES**Programmes**

The Centre is currently seeking approval and accreditation for its academic programmes.

Staff

Name	Qualification	Rank/Position
Braimah, M.K.	B.Ed., M.Phil. (UCC, Cape Coast, Gh)	Lecturer/Centre Coordinator
Sanka, M.	Specialist Degree, Post-graduate Diploma (Belgorod, Russia), Ph.D. (Veliko Tarnovo, Bulgaria)	Lecturer
Titigah, G.	B.A., (UDS, Tamale, Gh), M.Phil. (UCC, Cape Coast, Gh)	Assistant Lecturer
Mohammed, H.	B.A., M.Phil. (UDS, Tamale, Gh)	Assistant Lecturer

Activities

Journal of Drylands Ecosystems – DRI has established a scientific journal known as the Journal of Drylands Ecosystem (JDECO). The focus is on all aspects of drylands and related disciplines. The Institute is receiving and reviewing papers that are being forwarded for publication in the journal.

Research on Medical Solid Waste Management in Northern Ghana - This is a research project work by the Institute which is underway with financial support from the University. Being one of DRI mandates to carry out research work on topical issues in its catchment area, we are investigating how medical solid wastes are managed by accredited hospitals and clinics in northern Ghana. It is worth noting that hospital and clinic wastes are special types of waste produced in small amounts but they carry high potential of contamination and injuries, resulting in serious health effects from a public standpoint.

Research Proposal Writings: Since the expiration of the MoU between DRI-CIWAS of Nevada, USA and DRI-UDS, funding had stopped since DRI-CIWAS was main funder for the DRI projects. However, the Institute in collaboration with some lecturers from various faculties and schools who are specialized in Land Use and Water Resources, and Environmental Health and Hygiene are tirelessly working on proposals to source for funding on outlined projects identified by the Institute.

Monitoring of Open Defecation Free (ODF) Communities: The Institute on behalf of the Regional Environmental Health Department monitored ODF communities in the Mion district for the 2021 ODF League table for the Metropolitan, Municipal and District Assemblies in Northern Region.

Sanitation and Menstrual Hygiene Education: The Institute in partnership with the Water Lily Foundation have been sensitizing the people of Botingli and other surrounding Communities in Savelugu Municipality on good sanitation and menstrual hygiene.

Publications

Prof. Herbert K. Dei

1. Mia, S., Kabir, R., Ahmad, N., Hasan, M., Enyetornye, B., **Dei, H. K.**, Asare, G. A., Anning, G. K., Hossain, M., Nooruzzaman, M., Begum, J. A., & Rahman, M. H. (2022). Studies on the haemato-biochemical changes in growing broilers after being fed on *Icacina oliviformis* (false yam) tuber meal. *Journal of Animal Science and Veterinary Medicine*, 7(2), 52-58.
2. Mia, S., Kabir, R., Ahmad, N., Enyetornye, B., **Dei, H. K.**, Asare, G. A., Anning, G. K., Hossain, M., Nooruzzaman, M., Ara-Begum, J., & Rahman, M. H. (2021). An

investigation on faecal N and lipid excretions in growing broilers fed false yam (*Ipomoea batatas*) tuber meal. *Journal of Animal Science and Veterinary Medicine*, 6(5), 176-181.

3. **Dei, H.K.** (2022, *in press*). Principles and Practices of Animal Nutrition. GAVOSS Education Plc Ltd, Accra, Ghana. 216pp.

Dr. Abdul-Rahaman Issahaku

1. Dzokoto, S.T.K., Atombo, C., Braimah, M.M., & **Issahaku A.** (2022). Study on Factors Influencing Exhaust Emission Levels in Five Major Cities in Ghana. *International Journal of Environment and Pollution Research*, 10(1), 28-44.
2. **Issahaku, A.**, Mustapha, M.B., Dzokoto, S.T.K & Atombo, C. (2022). Determination of Exhaust Emission Levels from Vehicles Based on Fuel Use and Comparing Test Results to Euro - 6 Regulations as a Benchmark, *Journal of Atmospheric, Pollution*, 9(1), 1-8.
3. Kumah, N.J., Gbeti, I.C., Abubakari, A., **Issahaku, A.** & Wumbei, A. (2022). An Evaluation of the CLTS Implementation Process from the Beneficiary Perspective: A Cross-sectional Study from the Bole District of the Savannah Region, Ghana. *American Journal of Environmental Protection*, 11(2), 39-46.
4. **Issahaku, A.**, Alabira, O. & Wahabu, A. (2022). Assessing the Determinants of Open Defecation Free Communities based on the Socio-Demographic and Economic Status of Household Heads in the Mion District of Northern Region, Ghana. *Global Journal of Science Frontiers Research H Environment & Earth Science*, 22(1), 51-76.

Dr. Maxwell Anim-Gyampo

1. Zango, M.S., Pelig-Ba, K.B., **Anim-Gyampo, M.**, Gibrila, A. & Sunkari, E.D. (2022). "Hydrogeochemical and isotopic controls on the source of fluoride in groundwater within the Veia catchment, northeastern Ghana". Groundwater for Sustainable Development. <https://doi.org/10.1016/j.gsd.2022.100739> (Elsevier).
2. Zango, M. S., Pelig-Ba, K. B., **Anim-Gyampo, M.**, Gibrilla, A. & Abu, M. (2022). Assessment of the mineralogy of granitoids and associated granitic gneisses responsible for groundwater fluoride mobilization in the Veia catchment, Upper East Region, Ghana. *Sustainable Water Resources Management* (2022) 8:4 <https://doi.org/10.1007/s40899-021-00587-9>
3. **Anim-Gyampo, M.**, Berdie, B.S., Bessah, E. & Agodzo, S.K. (2021). Effects of Illegal Artisanal Gold Mining Operations on Groundwater Quality in Ghana (Book Chapter). <http://dx.doi.org/10.5772/intechopen.100242>.

Nyankpala Campus

3 Schools

4 Faculties

3 Centres/
Institutes

- Office of the Campus Principal, Nyankpala
- Faculty of Agriculture, Food and Consumer Sciences
- Faculty of Communication and Cultural Studies (FCCS)
- Faculty of Natural Resources and Environment
- Faculty of Biosciences
- School of Engineering
- School of Applied Economics and Management Sciences
- School of Veterinary Medicine
- DAAD West African Centre of Sustainable Rural Transformation (WAC-SRT)
- West Africa Centre for Water, Irrigation and Sustainable Agriculture (WACWISA)
- Kazuhiko Takeuchi Centre for Sustainability and Resilience (KTCSR)



OFFICE OF THE CAMPUS PRINCIPAL, NYANKPALA

The Nyankpala Campus is home to nine Faculties\Schools and three Centres. It is located within the Tolon District, about 20 km West of Tamale, the Northern Regional capital of Ghana. The campus currently runs Diploma, Bachelor of Science/ Arts and Postgraduate programmes.

The office of the Principal was established in 2017 when Prof. George Nyarko was appointed as the first Principal. Before this, he was Dean in-charge of the Campus, where the senior most Dean took responsibility of the Campus. Prof. Nyarko acted as Principal for one year before his substantive appointment in 2017. The office currently has five (5) full time staff.

Staff

Name	Qualification	Rank\Position
<i>Nyarko, G</i>	<i>B.Sc., M.Sc., (KNUST, Kumasi, Gh), Ph.D (Nottingham, U.K) C.Ed. (UCC, Cape Coast, Gh), FGHIH</i>	<i>Professor\Principal</i>
<i>Mahamadu T. I</i>	<i>B.A (Ghana) M.Ed. (IIU-Malaysia), Ph.D (Leicester, U.K) MCIHRPG</i>	<i>Deputy Registrar \ Campus Officer</i>

Besides these staff, there are other Senior Professional staffs who report directly to the Principal, they are: Campus Internal Auditor, Head, WPD, Campus Accountant, Campus Procurement Officer, Estate Officer, Stores, ICT and Security.

Staff

Name	Qualification	Rank\Position
<i>Dompaa, D. S</i>	<i>B.Com (UCC, Cape Coast, Gh), M.BA Wolverhampton, PhD (UDS, Tamale, Gh) CCFA, MIAA</i>	<i>Deputy internal Auditor</i>
<i>Obed, K. O.</i>	<i>B.Tec. (STU, Sunyani, Gh), PG Cert (GTUC) M.Sc. Coventry, UK), CEMBA, (KNUST, Kumasi, Gh). MIET, MGIOC, TGHIS</i>	<i>Quantity Surveyor</i>
<i>Acheampong, F. O</i>	<i>ACCA, (UK), MBA (UPSA, Gh)</i>	<i>Senior Accountant</i>
<i>Mohammed, A.</i>	<i>B.Sc. M.Phil. (KNUST, Kumasi Gh), MCIPS (UK)</i>	<i>Assist. Procurement Officer</i>
<i>Nyamalar, S</i>	<i>B.Sc., CEMBA (KNUST, Kumasi, Gh), MGHIS</i>	<i>Assistant Estate Officer</i>
<i>Sulley, M. M. D.</i>	<i>HND, (Koforidua, Gh) B.Sc (UEW, Winneba, Gh), M.Sc. (UCC, Cape Coast, Gh) MCIPS, CIPS (UK)</i>	<i>Assistant Store Manager</i>

The Nyankpala Campus is made up of eight Faculties\Schools and three Centres of Excellence. All Faculties, Schools, Directorates and Centres are listed as follows. The Deans and Directors are answerable to the Principal.

- Faculty of Agriculture, Food and Consumer Sciences
- Faculty of Communication and Cultural Studies

- Faculty of Natural Resource and Environment
- Faculty of Biosciences
- School of Engineering
- Faculty of Physical Sciences
- School of Applied Economics and Management Sciences
- School of Veterinary Sciences

Centres of Excellence on Nyankpala Campus:

- West African Centres for Sustainable Rural Transformation (WAC-SRT)
- West African Centres for Water, Irrigation and sustainable Agriculture (WACWISA)
- Kazuhiko Takeuchi Centre for Sustainability and Resilience (KTCSR).

FACULTY OF AGRICULTURE, FOOD AND CONSUMER SCIENCES

The Faculty of Agriculture, Food and Consumer Sciences (FoAFCS) is located at the Nyankpala Campus, within the Tolon District, about 20 km West of Tamale, the Northern Regional capital of Ghana. The Faculty currently runs Diploma, BSc degree and postgraduate programmes. The BSc Degree programmes are in Agricultural Technology, Agricultural Science Education, Family and Consumer Science and Food Science and Technology disciplines. Additionally, final year students of BSc Agricultural Technology have the option of specializing in any one of Animal Science, Agricultural Mechanization and Irrigation Technology, Agricultural and Food Economics, Horticulture, Agribusiness, Agronomy, Crop Science, Biotechnology, Soil Science whilst those in Agribusiness have the option to specialize in Agricultural and Resource Economics, Agricultural Management and Policy, and Agricultural Administration and Marketing.

The Faculty is also developing programmes in Food Security and Climate Change and Creative Design and Technology.

Under the Department of Family and Consumer Sciences, students have the opportunity to specialize in four main disciplines. These include Hospitality Management, Food and Nutrition, Textiles and Apparel Construction and Development and Child Studies. The Diploma programmes are designed for prospective students who have not met the entry requirements for degree programmes but would want to upgrade themselves in Agricultural Education, General Agriculture, Family and Consumer Science and Biotechnology. Students who graduate with good grades from the diploma programmes are enrolled onto various levels of the BSc programme depending on their final grade.

The Faculty also runs Master of Science (MSc), Master of Philosophy (MPhil) and Doctor of Philosophy (PhD) programmes in various disciplines such as:

- MSc/MPhil/PhD Soil and Water Conservation
- MSc/MPhil/PhD Animal Science
- MSc/MPhil/PhD Post Harvest Technology
- MSc/MPhil/PhD Biotechnology
- MSc/MPhil/PhD Horticulture
- MSc/MPhil/PhD Crop Science
- MSc/MPhil/PhD Agricultural Economics
- MSc/MPhil/PhD Innovation Communication

Departments

The Faculty has fifteen (14) academic departments namely,

- 1) Department of Agricultural Economics
- 2) Department of Agribusiness
- 3) Department of Agricultural Mechanization and Irrigation Technology
- 4) Department of Food Science and Technology
- 5) Department of Animal Science
- 6) Department of Horticulture
- 7) Department of Agriculture Innovation Communication
- 8) Department of Food Security and Climate Change
- 9) Department of Family and Consumer Science
- 10) Department of Agricultural Biotechnology
- 11) Department of Crop Science
- 12) Department of Soil Science
- 13) Department of Creative Design and Technology
- 14) Department of Agriculture Science Education

The core business engaged by Staff of the Faculty were in teaching, research and extension activities and these activities emphasized problem-solving and participatory learning approaches, geared towards integrated rural development and poverty alleviation.

Student Population

No	Year	Male	Female	Total
1.	Level 100	187	135	222
2.	Level 200	346	143	489
3.	Level 300	223	148	371
4.	Level 400	163	118	281
5.	Dip Level 100	120	78	198
6.	Dip Level 200	202	99	301
7.	Postgraduate	233	75	308
Total		1474	796	2170

Dean's Office**Staff**

Name	Qualification	Rank/Position
<i>Ansah, T.</i>	<i>B.Sc., (UDS, Tamale, Gh), MSc. (KNUST, Kumasi, Gh), PhD (Tamale)</i>	<i>Associate Professor/Dean</i>
<i>Abubakari, A.H.</i>	<i>BSc. (UDS, Tamale, Gh), MSc. (London), PhD (KNUST, Kumasi, Gh)</i>	<i>Associate Professor /Vice Dean</i>
<i>Seniwoliba, J. A</i>	<i>Cert "A" (4-Year Post Middle), Dip., B.Ed., M.A. (UCC, Cape Coast, Gh), Professional Cert. (IHRMP, Accra Gh), EMODAL, (Florida, USA).</i>	<i>Senior Assistant Registrar/Faculty Officer</i>

Publications

Seniwoliba A. J. (2022). Emotional Intelligence of the University Administrator for Effective Leadership. International Journal of Multidisciplinary Studies and Innovative Research. Catholic University College of Ghana. Volume 09, pp. 1314-1325 April 2022. <http://doi.org/10.53075/Ijmsirq6547586111567>.

Atambeogo, S. and **Seniwoliba A. J.** (2022). Street Trading and its Associated Risks in the Tamale Metropolitan Area of the Northern Region, Ghana. International Journal of Multidisciplinary Studies and Innovative Research. Catholic University College of Ghana. Volume 10, Number 1 pp. 1371-1382 July 2022. <http://doi.org/10.53075/Ijmsirq/67647246>

Department of Animal Science**Staff**

Name	Qualification	Rank/Position
<i>Adzitey, F.</i>	<i>B.Sc. (UDS, Tamale, Gh); M.Sc. (Bristol); PhD, (USM, Malaysia)</i>	<i>Professor/ Head of Department</i>
<i>Teye, G. A.</i>	<i>B.Sc.; M.Sc. (KNUST, Kumasi, Gh); Ph.D. (Bristol, UK)</i>	<i>Professor/ Former Vice Chancellor</i>
<i>Dei, H. K</i>	<i>B.Sc.; Dip. Ed. (UCC, Cape Coast); M.Sc. (KNUST, Kumasi, Gh); Ph.D. (Newport, UK)</i>	<i>Professor/ Director DRI</i>
<i>Addah, W.</i>	<i>B.Sc. (UDS, Tamale, Gh); M.Sc. (KNUST, Kumasi, Gh), Ph.D. (Alberta, Canada)</i>	<i>Associate Professor/ Director, DCROP</i>
<i>Ansah, T.</i>	<i>BSc. (UDS, Tamale, Gh), MSc. (KNUST, Kumasi, Gh), PhD (UDS, Tamale, Gh)</i>	<i>Associate Professor/ Dean, FoAFCS.</i>
<i>Birteeb, P. T.</i>	<i>B.Sc., M.Sc. (UDS, Tamale, Gh); Ph.D. (New Delhi, India)</i>	<i>Senior Lecturer</i>
<i>Mohammed, A.</i>	<i>B.Sc.; MPhil; PhD (UDS, Tamale, Gh)</i>	<i>Lecturer</i>
<i>*Naandam, J.</i>	<i>B.Sc. MPhil (UCC, Cape Coast, Gh)</i>	<i>Senior Lecturer</i>
<i>Bawah, J.</i>	<i>B.Sc. (UDS, Tamale, Gh), M.Phil; (KNUST, Kumasi, Gh)</i>	<i>Lecturer</i>
<i>Abu, A</i>	<i>B.Sc., MPhil (UDS, Tamale, Gh)</i>	<i>Research Fellow</i>
<i>Awini, M.</i>	<i>B.Sc., MPhil (UDS, Tamale, Gh)</i>	<i>Lecturer</i>

Cudjoe, S.	B.Sc., MPhil (UDS, Tamale, Gh)	Assistant Lecturer
Sulleyman, V. A.	B.Sc., MPhil (UDS, Tamale, Gh)	Assistant Lecturer
Siabi, M. A.	B.Sc., MPhil (UDS, Tamale, Gh)	Assistant Lecturer
Akapali, M	B.Sc., MPhil (UDS, Tamale, Gh)	Assistant Research Fellow
Husein, S.M.A.	B.Sc., MPhil (UDS, Tamale, Gh)	Assistant Lecturer

Note: Staff with* indicates he/she is on contract

Adzitey, F.

Publications

- Adzitey, F.**, Yussif, S., Ayamga, R., Zuberu, S., Addy, F., Adu-Bonsu, G., Huda, N. and Kobun, R. (2022). Antimicrobial susceptibility and molecular characterization of *Escherichia coli* recovered from milk and related samples. *Microorganisms*, 10(7):1335.
- Anachinaba, I.A., **Adzitey, F.**, Teye, G.A., Brown, C.A. and Boateng, E.F. (2022). Knowledge and perception of consumers on microbiological meat safety, antibiotic resistance and residues in Tema Metropolis, Ghana. *Journal of Agriculture and Food Sciences*, 20(1): 135-153.
- Marlida, Y., Azizah, H., Nur, Y.S., **Adzitey, F.**, Julmohammad, N. and Huda, N. (2022). *Potravinarstvo Slovak Journal of Food Sciences*, 16: 279-286.
- Agolisi, H.M., Ansah, T., **Adzitey, F.** and Konlan, S.P., 2022. Effect of incorporation of sun-dried rumen digesta in the diet on nutrient intake and growth performance of Djallonke sheep. *Indian Journal of Small Ruminants*, 28(1), 34-42.
- Mogre, J.W.S., **Adzitey, F.** and Teye, G.A. (2021). Assessment of cattle welfare on Ghanaian farms. *Asia Pacific Journal of Sustainable Agriculture Food and Energy*, 9(2): 1-9.
- Zain, F.A.M., Shahidan, N., Septama, A.W., Hashim, H., **Adzitey, F.**, Julmohammad, N. and Huda, N. (2021). Physicochemical properties of duck feet gelatin powder extracted with acetic acid. *International Journal of Advance Science Engineering Information Technology*, 11(6): 2174-2179.
- Adzitey, F.**, Yaro, J., Korese, J.K., Jeinie, M.H. and Huda, N. (2021). Effect of raw pearl millet flour inclusion on the quality and formulation cost of beef sausages. *Potravinarstvo Slovak Journal of Food Sciences*, 15: 1039-1048.
- Adzitey, F.**, Monten, S.K.K. and Frimpong E.B. (2021). Impact of COVID-19 on butchers and meat processors in Ghana: Implication on food (meat) biosecurity. *Asian Journal of Research in Animal and Veterinary Sciences*, 9(1): 1-16.
- Adzitey, F.**, Huda, N. and Shariff, A.H.M. (2021). Phenotypic antimicrobial susceptibility of *Escherichia coli* from raw meats, ready-to-eat meats, and their related samples in One Health Context. *Microorganisms*, 9: 326.
- Akwetey, W.Y., **Adzitey, F.** and Teye, G.A. (2021). Cured characteristics, physicochemical properties and sensory profile of frankfurters produced with *Ocimum gratissimum* extract leaf extracts. *Food Science Nutrition and Research*, 4(1): 1-5.
- Yaro, J., **Adzitey, F.** and Huda, N. (2021). Roasted pearl millet flour (RoPMF) improved the mineral composition of beef sausages. *International Journal on Advanced Science, Engineering, Information and Technology*, 11(2): 769-775.

Aduah, M., **Adzitey, F.**, Amoako, D.G., Abia, A.L.K., Ekli, R., Teye, G.A., Shariff, A.H.M. and Huda, N. (2021). Not all street food is bad: Low prevalence of antibiotic-resistant *Salmonella enterica* in ready-to-eat (RTE) meats in Ghana is associated with good vendors' knowledge of meat safety. *Foods*, 10:1011.

Adzitey, F., Huda, N. and Shariff, A.H.M. (2021). Phenotypic antimicrobial susceptibility of *Escherichia coli* from raw meats, ready-to-eat meats, and their related samples in one health context. *Microorganisms*, 9: 326.

Area of Specialization

- Meat Science and Technology
- Food Safety

Research Interests

- Microbial and chemical qualities of meats sold on Ghanaian market
- Prevalence and antibiotic resistance of foodborne/waterborne pathogens
- Whole genome sequencing of foodborne pathogens
- The use of local spices/herbs and other food resources in the formulation of meat products

Membership of Professional Bodies

- TWAS Young Affiliate
- Ghana Young Academy
- International Association for Food Protection
- Society for Applied Microbiology
- Ghana Society of Animal Production
- Ghana Animal Science Association
- University Teachers' Association of Ghana

Teye, G. A.

Publications

Anachinaba, I.A., **Adzitey, F.**, Teye, G.A., Brown, C.A. and Boateng, E.F. (2022).

Knowledge and perception of consumers on microbiological meat safety, antibiotic resistance and residues in Tema Metropolis, Ghana. *Journal of Agriculture and Food Sciences*, 20(1): 135-153.

Mogre, J.W.S., **Adzitey, F.** and Teye, G.A. (2021). Assessment of cattle welfare on Ghanaian farms. *Asia Pacific Journal of Sustainable Agriculture Food and Energy*, 9(2): 1-9.

Akwetey, W.Y., Adzitey, F. and **Teye, G.A.** (2021). Cured characteristics, physicochemical properties and sensory profile of frankfurters produced with *Ocimum gratissimum* extract leaf extracts. *Food Science Nutrition and Research*, 4(1): 1-5.

Aduah, M., Adzitey, F., Amoako, D.G., Abia, A.L.K., Ekli, R., **Teye, G.A.**, Shariff, A.H.M. and Huda, N. (2021). Not all street food is bad: Low prevalence of antibiotic-resistant *Salmonella enterica* in ready-to-eat (RTE) meats in Ghana is associated with good vendors' knowledge of meat safety. *Foods*, 10:1011.

Area of Specialization

- Meat Science and Technology
- Meat Biochemistry
- Animal Welfare

Research Interest

- The use of local / natural spices in meat products
- Hygienic meat handling, processing and packaging of meat and meat products
- Improvement in Animal welfare in Ghana
- Improvement in the productivity of Guinea fowls

Membership of Professional Bodies

- Ghana Animal Science Association
- Ghana Society of Animal Production
- Ghana Science Association
- University Teachers' Association of Ghana (UTAG)
- Alumni Association of Commonwealth Scholarship Commission
- West African Research & Innovation Management Association (WARIMA)

Dei, H. K

Publications

Dei, H.K. (2022). Principles and Practices of Animal Nutrition. GAVOSS Education Plc Ltd, Accra, Ghana. 216pp (in press).

Mia, S., Kabir, R., Ahmad, N., Hasan, M., Enyetoranye, B., **Dei, H.K.**, Asare, G.A., Anning, G.K., Hossain, M., Nooruzzaman, M., Begum, J. A. and Rahman, M.H. (2022). Studies on the haemato-biochemical changes in growing broilers after being fed on *Icacina oliviformis* (false yam) tuber meal. *Journal of Animal Science and Veterinary Medicine*, 7: 52-58.

Dei, H.K. (2021). Advances in Poultry Nutrition Research-A Review DOI: 10.5772/intechopen.95990.

Niayale, R., Addah, W. and **Dei, H.K.** (2021). The potential of false yam as livestock feed: A review. *Ghana Journal of Science, Technology and Development*, 7:119-134.

Mohammed, A., **Dei, H.K.**, Addah, W., Roessler, R. and Schlecht, E. (2021). Nutrient metabolisability of processed false yam (*Icacina oliviformis*) seed meals for broilers. *Ghana Journal of Science, Technology and Development*, (in press).

Area of Specialization

- Non-ruminant nutrition
- Feed Evaluation

Research Interest

- Exploring the use of alternative feed resources in feeding non-ruminants
- Management of local chicken and Guinea fowls

Membership of Professional Bodies

- Ghana Society of Animal Production (GSAP)
- Ghana Animal Science Association (GASA)
- Ghana Science Association (GSA)
- University Teachers Association Ghana (UTAG)
- Canadian Society of Animal Production (CSAP)

Addah, W.

Publications

Addah, W. (2022). Compensatory growth of Ashanti Black weaner pigs: effects of continuous versus restrictive dietary intake of protein or energy. *Ghanaian Journal of Animal Science*, 12: 37–48.

Addah, W., Adda, K.J., Abdul-Rahman, I.I., Abdul Rahman, N. and Kizito, F. (2022). Feeding stripped maize leaves to sheep improves their growth performance and school attendance among rural boys: a case of crop-livestock integration among smallholder farmers in northern Ghana. *Livestock Research for Rural Development*, 34:53.

Addah, W. (2022). Microbial approach to improving aerobic stability of silage. *Nigerian Journal of Animal Science*, 24: 231–244.

Abdul Rahman, N., Larbi, A., **Addah W.,** Sulleyman K. W., Adda, J.K., Kizito, F. and Hoeschle-Zeledon, I. (2022). Effect of maize leaf stripping on yield and leaf fodder quality. *Agriculture*, 12(2), 275.

Balehegn, M., Ayantunde, A., Amole, T., Njarui, D., Nkosi, B. D., Müller, F. L., Meeske, R., Tjelele, T. J., Malebana, I. M., Madibela, O. R., Boitumelo, W. S., Lukuyu, B., **Addah W.,** Minani, E. and Adesogan, A. T. (2021). Forage conservation in Sub-Saharan Africa: Review of experiences, challenges, and opportunities. *Agronomy Journal* 114: 75–99.

Adda, J., **Addah, W.,** Abdul Rahman, N. and McAllister, T. A. (2021). Inter-row plant spacing effects on grain and fodder yields, growth performance, digestibility and manure quality of sheep. *Peanut Science* 48:144–152.

Mohammed, A., Dei, H. K., **Addah, W.,** Roessler, R. and Schlecht, E. (2021). Nutrient metabolisability of treated false yam (*Icacina Oliviformis*) seed meal for broiler chickens. *Ghana Journal of Science, Technology and Development*. 7:38-47.

Asare-Agyapong, E., Abdul Rahman, N., **Addah, W.** and Ayantunde, A. A. (2021). Nutritional quality, digestibility and growth performance of sheep fed fodder obtained

- from early-or-late-maturing groundnuts cultivars. *Ghana Journal of Science, Technology and Development*, 7: 1–10. <https://doi.org/10.47881/295.967x>
- Komarek, A.M., Abdul Rahman, N., Bandyopadhyay, A., Kizito, F., Koo, J., Kotu, B. and **Addah, W.** (2021). Effects of maize leaf stripping on production and labour requirements within crop-livestock systems in Northern Ghana. *Agricultural Systems*, 193:103206.
- Niayale, R., **Addah, W.** and Dei, H. K. (2021). The potential of false yam as livestock feed: A review. *Ghana Journal of Science, Technology and Development*, 7:119-134.
- Niayale, R., **Addah, W.** and Ayantunde, A. A. (2021). Effects of ensiling cassava peels on some fermentation characteristics and growth performance of sheep on-farm. *Ghana Journal of Agricultural Science*, 55: 107 – 121.

Areas of Specialization

- Ruminant Nutrition
- Forage conservation and utilization
- Research design and implementation

Membership of Professional Bodies

- Ghana Society of Animal Production (GSAP)
- Ghana Animal Science Association (GASA)
- Ghana Science Association (GSA)
- University Teachers Association Ghana (UTAG)
- Canadian Society of Animal Science (CSAS)
- American Association for the Advancement of Science (ASAS)
- American Society of Animal Science (ASAS)

Ansah, T.

Publications

- Agolisi, H.M., **Ansah, T.**, Adzitey, F. and Konlan, S.P. (2022). Effect of incorporation of sun-dried rumen digesta in the diet on nutrient intake and growth performance of Djallonke sheep. *Indian Journal of Small Ruminants*, 28(1): 34-42.
- Tenakwa, E.A., Imoro, A.Z., **Ansah, T.** and Kizito, F. (2021). Pigeon pea (*Cajanus cajan*) fodder cutting management in the Guinea Savanna Agro-Ecological Zone of Ghana. *Agroforest Syst*, <https://doi.org/10.1007/s10457-021-00679-7>.
- Konlan, S.P., Panyan, E.K. and **Ansah, T.** (2021). Improved forage cultivation for increased in fodder availability and climate change mitigation in the Savanna agro-ecological zone of northern Ghana. *West African Journal of Applied Ecology*, 29(1): 13 – 2.
- Ansah, T.**, Sahoo, A., Abdul Rahman, N., Kumawat, P.K. and Bhatt, R.S. (2021). In vitro digestibility and methane gas production of fodder from improved cowpea (*Vigna unguiculata* L.) and groundnut (*Arachis hypogaea* L.) varieties. *Scientific African*, Volume 13, 2021.

- Marius, L.N., Shipandeni, M.N.T., Rodríguez-Campos, L.A., Osofo, E.L.K., Mpofu, I.D.T., **Ansah, T.**, Shiningavamwe, K.L. Attah-Kotoku, V. and Antwi C. (2021). Seasonal variation in chemical composition and in-vitro gas production of woody plant species of semi-arid condition of Namibia. *Agroforest Systems*, 95: 1191-1204.
- Aduguba, W., Obeng, R., Tietaah, M., Quansah, L. and **Ansah, T.** (2021). Growth Response of Rabbits fed Multi-Enzyme Treated Moringa oleifera Leaf Meal. *Ghana Journal of Science, Technology and Development*, 7(2), 12-19
- Issah, B., **Ansah, T.** and Alagma, H.A. (2021). Awareness of zoonotic diseases among pet owners in Wa municipality of Ghana. *UDS International Journal of Development*, 7 (2): 387-397.

Areas of Specialization

- Animal Nutrition
- Pasture production
- Animal production

Research Activities

- Greenhouse gas estimation in Napier grass cultivation in the savanna agro ecological zone of Ghana.
- Feed resources quality and quantity assessment for ruminant livestock production.
- Greenhouse Gas emission estimation from livestock production systems.

Membership of Professional Bodies

- Ghana Society of Animal Production (GSAP)
- Ghana Animal Science Association (GASA)
- Ghana Science Association (GSA)
- University Teachers Association Ghana (UTAG)
- British Society of Animal Science (BSAS)
- British Grassland Society (BGS)
- Danish Development Research Network (DDRN)
- Indian Society for Sheep and Goat Production and Utilization (ISSGPU)

Birteeb, P. T.

Publications

- Kombat, E.O., Zhao, J.L., Abakari, G., Owusu-Afriyie, G., **Birteeb, P. T.** and Alhassan, E.H. (2021). Metabolic cost of acute and chronic exposure of Nile tilapia (*Oreochromis niloticus*) to different levels of salinity. *Aquaculture Research*, 52(12): 6152-6163.

Research Interests

- Developing designs for animal experiments
- Developing designs for agroforestry experiments
- Livestock and Poultry Characterization

Area (s) of Specialization

- Experimental designs
- Data processing and analysis
- Livestock characterization

Outreach Programmes/Community Service

- Sunday School Teacher, First Baptist Church Tamale

Mohammed, A.

Publications

Abdallah, S., Yahaya, D. and **Mohammed, A.** (2022). Effects of processing techniques on the nutritional quality of cowpea (*Vigna unguiculata* L.) varieties. *Journal of Agriculture, Food and Environment*, 3 (2): 34-39.

Mohammed, A. and Anane, K. (2022) Prevalence and economic inference of small ruminant foetal wastage at the Kusami Abattoir Ltd (Kasse). *Asia Pacific Journal of Sustainable Agriculture Food and Energy*, 10 (1): 28- 33.

Osman, I. and **Mohammed, A.** (2022). Assessing the efficacy of monosodium glutamate as a growth enhancer in broiler chicken production. *Asia Pacific Journal of Sustainable Agriculture Food and Energy*, 9(2): 29-37.

Area of Specialization

- Monogastric nutrition
- Feed development and evaluation
- Enzyme technology and gut health

Research Interest

- Exploring the use of alternative feed resources for non-ruminant feeding
- Enhancing local Guinea fowl production and management
- Feed additives for improved growth performance in poultry

**Naandam, J.*

Publications

Agbolosu, A.A., Husein, S.M.A., Najat, I. and **Naandam, J.** (2021). Carcass characteristics of domestic pigeon (*Columba livia domestica*) in the Northern Region of Ghana. *Ghana Journal of Science and Technology (GJSTD)*. *Ghana Journal of Science, Technology and Development*, 8: 64-74.

Research Interests

- Animal by-laws in Northern of Ghana
- Livestock and Poultry Characterization
- Ethnoveterinary Medicine and Animal Health

Area(s) of Specialization

- Animal Production
- Animal Breeding
- Animal Health

Outreach Programmes/Community Service

- Member, Departmental Counselling team.
- Sunday school teacher to Men's fellowship, United Pentecostal Church International (UPCI), Tamale branch.
- Presbyter, UPCI, Tamale branch.
- Marriage Counselling Team Member, UPCI, Tamale.
- Technical Advisor to Savanna Star Rice Mills, Nasia.

Bawah, J.

Publications

Husein, S.M.A., **Bawah, J.** and Zakaria, S. (2022). Sheep fattening as a business and its associated challenges in the Tamale Metropolis, Ghana. Ghana Journal of Science, Technology and Development (In press).

Area of specialization

- Reproductive Physiology
- Animal production
- Ruminant and Non-Ruminant Nutrition
- Ecosystems Services and Ruminant Production

Research Activities

- Ecosystem and its impact on Animal Production. Specifically,
- Diagnostics study on the identification and categorization of ecosystem services, constraints and small ruminants' production.
- In-depth evaluation of season on plant species and their properties on animal production in the selected ecosystems of four landscapes
- Seasonal variation in ecosystem services and the effect on small ruminant performance
- Modelling for best fit management systems for crop-livestock production

- Antibiotic resistance of fastidious and non-fastidious microorganism isolated from cattle running diarrhea.
- The impact of cloacal prolapse on layer chicken production and its effect on farmers' resources.

Abu, A.

Publications

Abu, A., Akoto, M., Teye, G.A. and Adzitey, F. (2021). Sensory and nutritional qualities of beef sausages prepared with cattle hump Proceedings of 1st Joint Ghana Society of Animal Production/Ghana Animal Science Association Conference held at UDS-ICC, Tamale 24th -27th August, 2021.

Area of Specialization

- Meat Science and Technology

Research Interest

- Use of extenders in sausage production
- Utilization of locally available spices in meat products
- Utilization of meat by-products such as meat trimmings and connective tissues for pet feed
- Development of meat tenderizers from local plant species

Awini, M.

Publications

Awini, M. and Akapali, M. (2022) Assessment of the major challenges and prospects of pig production in Northern Ghana, Ghana Journal of Science Technology and Development (in press).

Awini, M., Akapali, M., Ansah T. (2021). Potential of Groundnut (*Arachis hypogaea*) vines meal a feed stuff in diets of Ashanti black pig in the Upper East region of Ghana. In: Climate change and Livestock Development. Proceedings of 1st Joint Ghana Society of Animal Production/Ghana Animal Science Association Conference held at UDS-ICC, Tamale 24th -27th August, 2021.

Awini, M., Akapali, M., Ansah T. and Issahaku I. (2021). Growth performance and haematological characteristics of weaner rabbits fed *Albizia lebbeck* leaf meal as a replacement for soya bean meal in the Tolon District of Ghana. In: Climate change and Livestock Development. Proceedings of 1st Joint Ghana Society of Animal Production/Ghana Animal Science Association Conference held at UDS-ICC, Tamale 24th -27th August, 2021.

Area of specialization

- Animal Production

Research Interest

- Prospect and constraints of pig production
- Knowledge and practice of Disease prevention.
- Availability and Utilisation of Animal by-product.
- Growth performance and haematological characteristics of weaner rabbits fed *Albizia lebbek* leaf meal.
- Growth, digestibility and haematological response of weaner rabbits fed graded levels of sun-dried bovine rumen content.

Cudjoe, S.

Publications

Tenakwa, E. A., Imoro, A. Z., **Cudjoe, S.** and Ansah, T. (2021). Influence of different harvesting regimes on the biomass yield and nutritive quality of moringa (*Moringa oleifera*) in the guinea savannah zone of Ghana. In: Climate change and Livestock Development. Proceedings of 1st Joint Ghana Society of Animal Production/Ghana Animal Science Association Conference held at UDS-ICC, Tamale 24th-27th August, 2021.

Specialization

- Pasture and range management
- Forage evaluation

Research Interests

- Pasture plant establishment
- Forage quality evaluation

Husein, S.M.A.

Publications

Husein, S. M. A., Bawah, J. and Zakaria, S. (2022). Sheep fattening as a business and its associated challenges in the Tamale Metropolis, Ghana. Ghana Journal of Science, Technology and Development (In press).

Agbolosu, A.A., **Husein, S.M.A.**, Najat, I. and Naandam, J. (2021). Carcass characteristics of domestic pigeon (*Columba livia domestica*) in the Northern Region of Ghana. Ghana Journal of Science and Technology, 7(3): 64-74.

Agbolosu, A.A., **Husein, S.M.A.**, Najat, I. and Naandam, J. (2021). Carcass characteristics of domestic pigeon (*Columba livia domestica*) in the Northern Region of Ghana. Ghana Journal of Science and Technology (GJSTD). In press.

- Dramani, W., Naandam, J., Annor, S. Y., **Husein, S. M. A.** and Birteeb, P. T. (2021). Evaluations of the relationship between behavioural docility scores and heterophyl/lymphocyte ratios and performance traits of local guinea fowl (*Numida meleagris*) varieties in Ghana. In: Climate change and Livestock Development. Proceedings of 1st Joint Ghana Society of Animal Production/Ghana Animal Science Association Conference held at UDS-ICC, Tamale 24th -27th August, 2021.
- Mohammed, A., Atayoko, I. and **Husein, S. M. A.** (2021). Assessment of the role of veterinary service on poultry productivity in the Tamale Metropolis. In: Climate change and Livestock Development. Proceedings of 1st Joint Ghana Society of Animal Production/Ghana Animal Science Association Conference held at UDS-ICC, Tamale 24th -27th August, 2021.
- Mohammed, A., Sampanbire, B. D. and **Husein, S. M. A.** (2021). Herbs in rural poultry health management in the Nabdam District. In: Climate change and Livestock Development. Proceedings of 1st Joint Ghana Society of Animal Production/Ghana Animal Science Association Conference held at UDS-ICC, Tamale 24th -27th August, 2021.
- Abdulai, S. G., Alenyorege, B., Yeboah, R. W. N. and **Husein, S. M. A.** (2021). Potentials and development of the livestock industry in Bole District. In: Climate change and Livestock Development. Proceedings of 1st Joint Ghana Society of Animal Production/Ghana Animal Science Association Conference held at UDS-ICC, Tamale 24th -27th August, 2021.

Research Interests

Genetic improvement of Guinea fowls through Systematic Selection

- Genetic improvement of Microlivestock species (rabbits, cavy, quails and pigeons)
- Livestock and Poultry Characterization
- Genetic Characterization of Microlivestock species (rabbits, cavy, quails and pigeons)
- Molecular Characterization of Microlivestock species (rabbits, cavy, quails and pigeons)

Area (s) of Specialization

- Animal Genetics and Breeding
- Molecular Genetics
- Livestock Characterization
- Animal Biotechnology

Outreach Programmes/Community Service

- Member, Curriculum Development Committee (BSc. Sustainable Agriculture), Tamale Technical University, Tamale.
- Arabic Instructor, Suabiriya Islamic School, Kumbuyilli, Tamale.
- Local Imam, Kumbuyilli Central Mosque, Tamale.

Sulleyman, V. A.

Publications

Salifu, S., Abdul-Rahman, I., Ansah, T., Hagan, B.A., **Sulleyman, V.A.** (2022).

Assessment of the resource base of different sheep management systems in northern Ghana and exposure of West Africa Dwarf (WAD) sheep to potential stressors. Ghana Journal of Science, Technology, and Development. In press.

Sulleyman, V. A., Agbolosu, A. A., Salifu, S., Ampofo-Yeboah, A. Akongyuure, D. N.

(2021). Comparative Assessment of Nutritional Composition of Cichlids from Different Water bodies in the Northern Region of Ghana. In: Climate change and Livestock Development. Proceedings of 1st Joint Ghana Society of Animal Production/Ghana Animal Science Association Conference held at UDS-ICC, Tamale 24th -27th August, 2021.

Area of Specialization

- Animal Breeding and Genetics

Research Interests

- Characterization of indigenous animal species
- Determining pre-natal and post-natal factors affecting juvenile guinea fowl survival

Siabi, M. A.

Publications

Siabi, M.A., Dei, H. K., Mohammed, A. (2021) Effect of 3% biochar at varying levels of soaked false yam tuber meal on egg laying performance and blood profile of chickens. In: Climate change and Livestock Development. Proceedings of 1st Joint Ghana Society of Animal Production/Ghana Animal Science Association Conference held at UDS-ICC, Tamale 24th -27th August, 2021.

Area of Specialization

- Non-Ruminant Nutrition

Research Area

- Local chicken and guinea fowl Management.
- Exploring non-conventional feedstuffs as alternative feed resource for non-ruminants.

Akapali, M

Publications

Awini, M. and **Akapali, M.** (2022) Assessment of the major challenges and prospects of pigproduction in Northern Ghana, Ghana Journal of Science Technology and Development (in press).

Area of specialization

- Animal Production

Research Interest

- Prospects and constraints of pig production
- Animal behaviour and welfare
- Exploration of alternate feed sources for rabbit production

Department of Family and Consumer Sciences**Staff**

Name	Qualification	Rank/Position
<i>Azupogo, F.</i>	<i>B.Sc. (UDS, Tamale, Gh), M.Sc., PhD (Wageningen, The Netherlands)</i>	<i>Lecturer/Department Coordinator</i>
<i>Halidu, R.</i>	<i>Dip., B.Ed. (UCC, Cape Coast, Gh), M.Ed. MPhil., (UEW, Winneba, Gh)</i>	<i>Lecturer</i>
<i>Akomaning, E. L.</i>	<i>Dip, B.Ed. MPhil (UCC, Cape Coast, Gh), M.Ed., MPhil (UEW, Winneba, Gh)</i>	<i>Lecturer</i>
<i>Laar, F. Y.</i>	<i>BSc (UDS, Tamale, Gh), MPhil (Ghana)</i>	<i>Assistant Lecturer</i>
<i>Neequaye, N.K.</i>	<i>B.Ed., MPhil (UCC, Cape Coast, Gh)</i>	<i>Assistant Lecturer</i>
<i>Amenya, A.</i>	<i>Cert A., B.Ed., M.Phil. (UCC, Cape Coast, Gh)</i>	<i>Assistant Lecturer</i>
<i>Adu-Gyamfi, C. A</i>	<i>B.Ed., MPhil (UCC, Cape Coast, Gh)</i>	<i>Assistant Lecturer</i>
<i>Bansah, S.G.</i>	<i>B.Ed. (UCC, Cape Coast, Gh), MTech (UEW, Winneba, Gh), MPhil (UDS, Tamale, Ghana)</i>	<i>Assistant Lecturer</i>
<i>Appiah, A</i>	<i>B.Ed., MPhil (UCC, Cape Coast, Gh), MPhil (UEW, Winneba, Gh)</i>	<i>Assistant Lecturer</i>
<i>Alhassan, S.</i>	<i>Cert A., B.Sc., MTech, MPhil., (UEW, Winneba, Gh)</i>	<i>Assistant Lecturer</i>
<i>Musah, P. S.</i>	<i>BSc., MPhil (UEW, Winneba, Gh)</i>	<i>Assistant Lecturer</i>

Publications***Azupogo, F*****Publications**

Addae, Y. H., Tahiru R., & **Azupogo, F.** (2022). Factors associated with overweight or obesity among post-partum women in the Tamale Metropolis, Northern Ghana: a cross-sectional study. *Pan African Medical Journal*, 41:238.

Azupogo, F., Abizari, A.-R., Aurino, E., Gelli, A., Osendarp, S. J. M., Bras, H., Feskens, E. J., & Brouwer, I. D. (2021). Trends and Factors Associated with the Nutritional Status of Adolescent Girls in Ghana: A Secondary Analysis of the 2003-2014 Ghana Demographic and Health Survey (GDHS) Data. *Public Health Nutrition*, 1-41.

Azupogo, F., Abizari, A.-R., Osendarp, S. J. M., Feskens, E. J., & Brouwer, I. D. (2021). Ten2Twenty-Ghana: Study Design and Methods for an Innovative Randomised Controlled Trial with Multiple-Micronutrient Fortified Biscuits among Adolescent Girls in North-Eastern Ghana. *Current Developments in Nutrition*, 5(2), 1-20.

Research Interest

1. Dietary patterns and health
2. Food-based dietary recommendations
3. Nutrition epidemiology

Akomaning, E.L.

Publications

Akomaning, E. L. (2022). Methods for teaching sewing in junior high schools at Sekondi-Takoradi Metropolis of Ghana. *International Journal of Innovative Research & Development*, 11(7), 95-100.

Quarcoo, R. & **Akomaning E. L.** (2022). Acquisition of Clothing Production Skills Among Clothing and Textile Senior High School Graduates in Ghana. *International Journal for Cross-Disciplinary Subjects in Education (IJCDSE)*, 13 (2), 4652-4656.

Research Interest

1. Clothing and Textiles Education
2. Clothing Care and Maintenance
3. Pattern Drafting and Adaptation

Halidu, R.

Research Interest

1. Family Resource Management.
2. Communication and Family Dynamics
3. Changes in Family Life cycle

Appiah, A.

Research Interest

1. Clothes management
2. Consumer behaviour in the selection and use of clothes
3. Clothing and Textiles education

Musah, P. S.

Research Interest

1. Food product development
2. Food safety and sanitation
3. Nutrition in health and disease

Department of Agricultural Food and Economics

Staff

Name	Qualification	Rank/Position
Anang, B. T.	BSc. (UDS, Tamale, Gh), MSc (London), PhD (Helsinki)	HoD/ Senior Lecturer
Mabe, F.N.	BSc (Ghana), MPhil (Ghana), PhD (UDS, Tamale, Gh).	Senior Lecturer
Tahiru, O.D.	BSc (UDS-Tamale, Gh), MPhil (Ghana), PhD (Turkey)	Senior Lecturer
Abukari, A.B. T	B.A. (KNUST, Kumasi, Gh), MSc. (Agder Kristiansand, Norway), PhD. (CU, Adana, Turkey)	Lecturer/ Dept. Seminar Coordinator
Abdul Mumin, Y.	B.A. (UDS, Tamale, Gh), MPhil (Ghana), PhD (Kiel, Germany)	Lecturer
Abdallah, A-H.	B.Sc., MPhil., PhD. (UDS, Tamale, Gh)	Lecturer
Shafiwu, A. B.	Dip Bus & Adm (England), Ch.E. (ACCE-USA), B.A., MPhil, PhD (UDS. Tamale, Gh)	Lecturer
Abu, B.M.	B.A. (UDS, Tamale, Gh), MPhil. (Ghana)	Lecturer
Abdulai, S.	B.Sc., MPhil. (UDS, Tamale, Gh), Ph.D. (Reading, UK)	Lecturer
Apedo, C. K.	BSc (Ghana), MSc (Bonn, Germany), MSc (Budapest, Hungary)	Assistant Lecturer/ Departmental TTFPP Coordinator
Kandawini, N. A.	B.Sc. MPhil (UDS, Tamale, Gh)	Assistant Lecturer

Anang, B.T.

Publications

- Anang, B. T.** and Zakariah, A. (2022). Socioeconomic drivers of inoculant technology and chemical fertilizer utilization among soybean farmers in the Tolon district of Ghana. *Heliyon*, 8 (2022), e09538.
- Anang, B. T.** and Shafiwu, A. B. (2022). Profit efficiency of smallholder maize farmers in Sagnarigu municipal of northern Ghana. *Review of Agricultural and Applied Economics*, XXV (1), 104-112.
- Anang, B. T.**, Dokyi, E. O., Asante, B. O. and Donkoh, S. A. (2022). Technical efficiency of resource-poor maize farmers in northern Ghana. *Open Agriculture*, 7(1), 69-78.
- Anang, B. T.** (2022). Two-stage DEA estimation of technical efficiency: comparison of different estimators. *Review of Agricultural and Applied Economics*, XXV (1), 65-72.
- Dokyi, E., **Anang, B. T.** and Owusu, V. (2021). Impacts of Improved Seed Maize Technology Adoption on Productivity and Technical Efficiency in Northern Ghana. *Open Economics*, 4(1), 118-132.

Research Activities

- Participatory Pathways to Sustainable Intensification: Innovation platforms to integrate leguminous crops and inoculants into small-scale agriculture and local value chains (PASUSI). LEAP-AGRI EU-funded project. 2018-2022.
- Productivity and technical efficiency of inoculant technology-based farming system in northern Ghana. Funded by Finnish Society of Science and Letters. 2021-2022.
- Crop farmers' willingness to pay for crop insurance in northern Ghana.

- Adoption of climate-smart agricultural practices among smallholder farmers in Builsa district of Ghana
- Cocoa agroforestry adoption in Sefwi Wiawso district of Ghana. 2021-2022.
- Impact of outgrower scheme participation in northern Ghana. 2021-2024.

Mabe, F.N.

Publications

Mabe, F. N. and Konja, D. T., Addo, M. D. D. and Awuni, J. A. (2022). The locational and gendered impacts of Livelihood Empowerment Against Poverty (LEAP) on children education in Ghana, *International Journal of Social Economics*, vol. ahead-of-print, no. ahead-of-print

Dotse, M. A., **Mabe, F. N.** and Awuni, J. A. (2022). Irrigation Energy Sources and Profit Efficiency of Vegetable Farming in the Keta Municipality, Volta Region, *Ghana Journal of Science, Technology and Development*, 7(3): 11-25

Mabe, F. N., Owusu-Sekyere, E. and Adeosun, O. T. (2021). Livelihood coping strategies among displaced small-scale miners in Ghana, *Resources Policy*, 74 (2021): 1-9.

Adeosun, O. T., Asare-Nuamah, P. and **Mabe, F. N.** (2021). Vulnerability analysis of Nigeria's agricultural output growth and climate change, *Management of Environmental Quality: An International Journal*, vol. ahead-of-print, no. ahead-of-print.

Research Activities

- Agricultural productivity and efficiency analysis
- Impact assessment and evaluation of development interventions
- Resource and environmental economics
- Economics of climate change

Conferences

- Danso-Abbeam, G., Salifu, M-M. A. and **Mabe, F. N.** (2022). Productivity Impacts of Participation in Cocoa Hand Pollination Programme: Evidence from Ghanaian Cocoa Farms, *Cukurova 8th International Scientific Researches Conference, April 15-17, 2022 - Adana, Turkey*
- Issifu, S. and **Mabe, F. N.** (2022). Artisanal Small-Scale Mining: Farm Household Welfare and Coping Strategies in Asutifi North District of Ghana, *Cukurova 8th International Scientific Researches Conference, April 15-17, 2022 - Adana, Turkey*
- Natogmah, A., Damba, O. T. and **Mabe, F. N.** (2022). Sources of Certified Maize and Rice Seeds: What Informs Smallholder Farmers' Choices in Northern Region of Ghana, *International Conference on Irrigation and Agriculture Development (IRAD 2022). February 22- 23, 2022.*

Tahiru, O.D.

Publications

Hansen, J. W., Born, L., Dossou-Yovo, E., Mwongera, C., Dalaa, M. A., **Damba, O. T.**,

Whitebread, A. M., Solomon, D., Zougmore, R., Zebiak, R., Dinku, T. & Grossi, A. (2022). Country-Specific Challenges to Improving Effectiveness, Scalability and Sustainability of Agricultural Climate Services in Africa. *Frontiers in Climate*, 165.

Damba, O. T., Kizito F, Bonilla-Findji O, Yeboah S, Oppong-Mensah B, Clotley V, Duah S, Gaitu C, Mantey F, Dalaa MA, Obeng F, Tapa-Yotto G, Agboton C, Tamo M, Nii-Koi G. (2021). Climate Smart Agriculture (CSA)-Climate Smart Information Services (CIS) Prioritization in Ghana: Smart Assessments and Outcomes. Accelerating Impacts of CGIAR Climate Research for Africa (AICCRA) Technical Report.

Research Activities

- Effectiveness, Scalability and Sustainability of Agricultural Climate Services in Africa
- Climate Smart Agriculture (CSA)-Climate Smart Information Services (CIS) Prioritization in Ghana

Abukari, A.B. T

Publications

Abukari, A. B. T., Zakaria, A., & Azumah, S. B. (2022). Gender-based participation in income generating activities in cocoa growing communities. The role of youth training programs. *Heliyon*, 8(2), e08880. <https://doi.org/10.1016/j.heliyon.2022.e08880>

Karim, A., **Abukari, A. B. T.**, & Abdulai, A. M. (2022). Testing the climate resilience of sorghum and millet with time series data. *Cogent Food & Agriculture*, 8(1), 2088459. <https://doi.org/10.1080/23311932.2022.2088459>.

Abukari, A. B. T. (2022). Anti E-Levy: Hypocrisy or ignorance? Ghanaweb. Available at: <https://www.ghanaweb.com/GhanaHomePage/features/Anti-E-Levy-Hypocrisy-or-ignorance-1469830>

Abdul Mumin, Y.

Publications

Nkegbe, P.K. and **Abdul Mumin, Y.** (2022). Impact of Community Development Initiatives and Access to Community Markets on Household Food Security and Nutrition in Ghana. *Food Policy*. <https://doi.org/10.1016/j.foodpol.2022.102282>.

Abdul Mumin, Y. and Abdulai, A. (2022). Social networks, adoption of improved variety and household welfare: evidence from Ghana. *European Review of Agricultural Economics*, 49(1), pp. 1-32.

Abdul Mumin, Y. and Abdulai, A. (2022). Informing Food Security and Nutrition Strategies in Sub-Saharan African Countries: An Overview and Empirical Analysis. *Applied Economic Perspectives and Policy*, 44(1), pp. 364-393.

Abdallah, A-H.

Publications

Abdallah, A.-H., Michael, A., & Awuni, J. A. (2022). Impact of land grabbing on food security: evidence from Ghana. *Environment, Development and Sustainability*, 0123456789. <https://doi.org/10.1007/s10668-022-02294-7>

Abdallah, A.-H., Abdul-Rahaman, A., & Issahaku, G. (2021). Sustainable agricultural practices, farm income and food security among rural rural households in Africa. *Environment, Development & Sustainability*, <https://doi.org/10.1007/s10668-021-01407-y>.

Research Activities

- Technology Adoption, Food Security
- Efficiency and Welfare Analysis
- Health Economics

Shafiwu, A. B.

Publications

Shafiwu, A.B., Donkoh, S.A. and Abdul-Malik, A. (2022). The welfare impact of improved seed variety adoption in Ghana, *Journal of Agriculture and Food Research*, doi: <https://doi.org/10.1016/j.jafr.2022.100347>

Anang, B.T. and **Shafiwu, A.B.** (2022) Profit Efficiency of Smallholder Maize Farmers in Sagnarigu Municipal of Northern Ghana. *Review of Agricultural and Applied Economics*. XXV (Number 1, 2022): 104-112. doi: 10.15414/raae.2022.25.01.104-112

Shafiwu, A.B., and Cobbinah, M. T, (2022) Assessing Tomato Marketing Efficiency in Selected Agro-Ecological Zones of Ghana, *Asian Journal of Agricultural Extension, Economics & Sociology* 40(1): 78-92.

Abu, B.M.

Publications

Dary, S. K., Issahaku, H., & **Abu, B. M.** (2022). Trade Credit Financing and Firm Growth: A Panel Study of Listed Firms in Africa. In E. F. Wamboye & B. Fayissa (eds.), *The Palgrave Handbook of Africa's Economic Sectors*. Palgrave Macmillan, pp. 551-576.

Nkegbe, P. K., Araar, A., **Abu, B. M.**, Alhassan, H., Ustarz, Y., Setsoafia, E. D., and Shamsia Abdul-Wahab, S. (2022). Nonfarm activity and market participation by farmers in Ghana. *Agricultural and Food Economics*, Vol. 10, No. 4.

Abdulai, S.

Research Activities

- Accounting for non-exposure bias, self-selection, and heterogeneity in production technology: the case of improved rice varieties adoption and cultivation in Ghana
- Assessing the exposure and effect of adoption of improved rice varieties on the net rice income of Ghanaian households
- Assessing the perceptions of farmers on the effect of climate change on maize production in the Savelugu Municipality
- Analysing the profitability and socio-economic drivers of poultry production in the Tamale Metropolis.

Apedo, C. K.

Research Activities

- Does Off-Farm Work Improve Farm Income of Smallholder Farmers? Empirical Evidence from Northern Ghana.
- The effect of agricultural productivity on poverty status of farm households in Kumbungu District.
- Impact of farm credit on technical efficiency of pepper farmers in Tolon District of Ghana.

Kandawini, N. A.

Research Activities

- Ensuring Food Safety and Quality from Modern and Conventional Production Systems (DARAP report).
- Adoption of good agronomic and sustainable agricultural practices in northern Ghana by maize farmers: The role of agricultural credit.
- Effect of Small-Scale Mining on Cocoa Production in Asante Akim Central Municipal.

Department of Food Science and Technology

Staff

Name	Qualification	Rank/Position
<i>Amagloh, F. K.</i>	<i>B.Sc. (Ghana); M.Sc. (KNUST, Kumasi, Gh); PhD (Massey, Palmerstone North)</i>	<i>Associate Professor /Dean of the Graduate School</i>
<i>Mahunu, G.K.</i>	<i>B.Sc. (UDS, Tamale, Gh); M.Sc. (KNUST, Kumasi, Gh), Ph.D. (Jiangsu University, Zhenjiang City, China)</i>	<i>Associate Professor/HoD</i>
<i>Afoakwah, N. A.</i>	<i>BSc. (UDS, Tamale, Gh); M.Phil. (Ghana); Ph.D. (Jiangsu University, China)</i>	<i>Senior Lecturer</i>
<i>Akabanda F.</i>	<i>B.Sc. (UDS, Tamale, Gh), MPhil. & PhD (Ghana)</i>	<i>Senior Lecturer</i>
<i>Bonah, E.</i>	<i>BSc (UDS, Tamale, Gh), MSc (KNUST, Kumasi, Gh) PhD (Jiangsu University, China)</i>	<i>Lecturer</i>
<i>Atuna, R. A.</i>	<i>B.Sc., M.Phil. (UDS, Tamale, Gh)</i>	<i>Lecturer</i>
<i>*Chikpah, S. K.</i>	<i>B.Sc., M.Phil. (UDS, Tamale, Gh)</i>	<i>Lecturer</i>
<i>*Alhassan, M. W.</i>	<i>BSc. (UDS, Tamale, Gh); M.Phil. (KNUST, Kumasi, Gh)</i>	<i>Lecturer</i>
<i>Abdul-Aziz, B.</i>	<i>HND (Accra Polytechnic, Accra), B.Sc. (UCC, Cape Coast, Gh), M.Phil. (UDS, Tamale, Gh)</i>	<i>Research Fellow</i>
<i>Pobi N. O.</i>	<i>BSc (UDS, Tamale, Gh); MSc (KNUST, Kumasi, Gh)</i>	<i>Assistant Lecturer</i>
<i>Owusu-Ansah, P.</i>	<i>BSc (UDS, Tamale, Gh); MSc (Jiangsu University, China)</i>	<i>Assistant Lecturer</i>

**Staff on study leave*

Amagloh, F. K.

Book Chapter

Moyo, M., Truong, V. D., Simunovic, J., Pankuku, J., Abong, G. O., **Amagloh, F. K.**, & Muzhingiri, T. (2022). Orange-Fleshed Sweet potato Puree: A Breakthrough Product for the Bakery Sector in Africa. In *Root, Tuber and Banana Food System Innovations* (pp. 145-172). Springer, Cham.

Publications

- Atuna, R. A., Amagloh, F. C., Denwar, N. N., Asase, V. R., Faisal, S., Baako, E., Koomson, G., Gulkirpik, E., Toc, M., Donnelly, A., **Amagloh, F. K.**, & Andrade Laborde, J. E. (2022). Filling the Protein Gap in Ghana: The Role of Soy. *Frontiers in Sustainable Food Systems*, 5, 1-13. <https://doi.org/10.3389/fsufs.2021.781571>.
- Owusu-Kwarteng, J., Agyei, D., Akabanda, F., Atuna, R. A., & **Amagloh, F. K.** (2022). Plant-Based Alkaline Fermented Foods as Sustainable Sources of Nutrients and Health-Promoting Bioactive Compounds. *Frontiers in Sustainable Food Systems*, 6. <https://doi.org/10.3389/fsufs.2022.885328>.
- Ojangba, T., Zhang, L., Boamah, S., Gao, Y., Wang, Z., & **Amagloh, F. K.** (2022). Effect of Partial Substitution of Sodium Chloride (NaCl) with Potassium Chloride (KCl) Coupled with High-Pressure Processing (HPP) on Physicochemical Properties and Volatile Compounds of Beef Sausage under Cold Storage at 4 °C. *Processes*, 10(2). <https://doi.org/10.3390/pr10020431>.
- Owusu-Ansah, P., Besiwhah, E. K., Bonah, E., & **Amagloh, F. K.** (2022). Non-meat ingredients in meat products: A scoping review. *Applied Food Research*, 2(1), 100044. <https://doi.org/10.1016/j.afres.2022.100044>.
- Ackah S, Xue S, Osei R, **Amagloh F. K.**, Zong Y, Prusky D and Bi Y (2022) Chitosan Treatment Promotes Wound Healing of Apple by Eliciting Phenylpropanoid Pathway and Enzymatic Browning of Wounds. *Front. Microbial.* 13:828914. doi: <https://doi.org/10.3389/fmicb.2022.828914>.
- Atuna, R. A., Ametei, P. N., Bawa, A.-A., & **Amagloh, F. K.** (2021). Traditional processing methods reduced phytate in cereal flour, improved nutritional, functional and rheological properties. *Scientific African*, e01063. <https://doi.org/10.1016/j.sciaf.2021.e01063>.
- Gulkirpik, E., Toc, M., Atuna, R. A., **Amagloh, F. K.**, & Andrade Laborde, J. E. (2021). Evaluation of Oxidative Stability of Full Fat Soybean Flour in Storage and Sensory Quality of Tuo Zaafi-Enriched with Soy Flour as Influenced by Traditional Processing Methods. *Foods*, 10(9). <http://dx.doi.org/10.3390/foods10092192>.
- Sam, F. E., Ma, T.-Z., Atuna, R. A., Salifu, R., Nubalanaan, B.-A., **Amagloh, F. K.**, & Han, S.-Y. (2021a). Physicochemical, Oxidative Stability and Sensory Properties of Frankfurter-Type Sausage as Influenced by the Addition of Carrot (*Daucus carota*) Paste. *Foods*, 10(12). <https://doi.org/10.3390/foods10123032>.
- Sam, F. E., Ma, T., Liang, Y., Qiang, W., Atuna, R. A., **Amagloh, F. K.**, Morata, A., & Han, S. (2021b). Comparison between Membrane and Thermal Deacidification Methods: Their Impact on the Chemical Parameters, Volatile Composition, and Sensory Characteristics of Wines. *Membranes*, 11(12). <https://doi.org/10.3390/membranes11120957>.

- Amagloh, F. C., Yada, B., Tumuhimbise, G. A., **Amagloh, F. K.**, & Kaaya, A. N. (2021). The Potential of Sweet potato as a Functional Food in Sub-Saharan Africa and Its Implications for Health: A Review. *Molecules*, 26(10). <https://doi.org/10.3390/molecules26102971>.
- Akparibo, R., Aryeetey, R., Asamane, E. A., Osei-Kwasi, H. A., Ioannou, E., Infield Solar, G., Cormie, V., Pereko, K. K., **Amagloh, F. K.**, Caton, S. J., & Cecil, J. E. (2021). Food Security in Ghanaian Urban Cities: A Scoping Review of the Literature. *Nutrients*, 13(10), 3615. <https://doi.org/10.3390/nu13103615>

Research Interest

- Product development including the use of bio-fortified crops (e.g., orange-fleshed sweet potato, purple-fleshed sweet potato, orange maize, soybean, *etc.*).
- Postharvest handling of agro produce: cereals, legumes, roots and tuber, fruits and vegetables.

Mahunu, G. K.

Book Chapters

- Afoakwah, N. A., **Mahunu, G. K.** (2022). Utilization of Jerusalem Artichoke (*Helianthus tuberosus* L.) Tuber as a Prebiotic and a Symbiotic. In *African Fermented Food Products-New Trends* (pp. 525-536): Springer.
- Afoakwah, N. A., **Mahunu, G. K.**, Mariod, A. A. (2022). The Quality Aspect and Safety of Some Traditional Fermented Product from Sorghum and millet. In *African Fermented Food Products-New Trends* (pp. 511-523): Springer.
- Apaliya, M. T., Osae, R., Kwaw, E., **Mahunu, G. K.**, Osei-Kwarteng, M., Ahima, J. K. (2022). Fermented African Cereal Products. In *African Fermented Food Products-New Trends* (pp. 459-472): Springer.
- Apaliya, M. T., Osae, R., Kwaw, E., **Mahunu, G. K.**, Osei-Kwarteng, M., Hardi, I. M. (2022). Omics in Traditional Fermented Foods and Beverages. In *African Fermented Food Products-New Trends* (pp. 551-563): Springer.
- Mahunu, G. K.**, Afoakwah, N. A., Hudu, A. R., Apaliya, M. T. (2022). Improvement of Indigenous Fermentation Technologies for Certain Ghanaian Fermented Foods. In *African Fermented Food Products-New Trends* (pp. 497-509): Springer.
- Mahunu, G. K.**, Afoakwah, N. A., Mariod, A. A., Hudu, A. R., Tahir, H. E. (2022). Fermentation of Cocoa Bean. In *African Fermented Food Products-New Trends* (pp. 473-485): Springer.
- Mahunu, G. K.**, Mariod, A. A. (2022). African Fermented Vegetable Products. In *African Fermented Food Products-New Trends* (pp. 265-276): Springer.
- Newlove, A. A., **Mahunu, G. K.**, Tahir, H. E. (2022). Fermented Millet for Porridge Production: A Model for Improved Gastrointestinal Health. In *African Fermented Food Products-New Trends* (pp. 445-458): Springer.
- Quansah, L., **Mahunu, G. K.**, Tahir, H. E. (2022). Fermentation of *Parkia biglobosa* Seeds: Effect of Temperature Conditions on Bioactive, Nutritive and Antioxidant Parameters. In *African Fermented Food Products-New Trends* (pp. 487-495): Springer.

- Tahir, H. E., **Mahunu, G. K.**, Mariod, A. A., Xiaobo, Z., Afoakwah, N. A. (2022). Biological activities of evening primrose oil. In *Multiple Biological Activities of Unconventional Seed Oils* (pp. 317-332): Elsevier.
- Tahir, H. E., Xiaobo, Z., **Mahunu, G. K.**, Mariod, A. A. (2022). Bioactive Components of Fermented Food Products: Phytochemicals, Phytosterol and Vitamins. In *African Fermented Food Products-New Trends* (pp. 429-444): Springer.

Publications

- Hashim, S.B., Tahir, H.E., Lui, L., Zhang, J., Zhai, X., Mahdi, A.A., Ibrahim, N.A., **Mahunu, G.K.**, Hassan, M.M., Xiaobo, Z., (2022). Smart Films of Carbohydrate-based/Sunflower wax/Purple Chinese cabbage anthocyanin's: A biomarker of chicken freshness. *Food Chemistry*, 133824.
- Hashim, S.B., Tahir, H.E., Mahdi, A.A., Liu, L., Zhang, J., Zhai, X., Ibrahim, N.A., **Mahunu, G.K.**, Awad, F.N., Hassan, M.M. (2022). Development of Smart Colorimetric Sensing Films Carbohydrate-Based with Soybean Wax and Purple Cauliflower Anthocyanin's for Visual Monitoring of Shrimp Freshness. *Journal of Polymers and the Environment*, 1-15.
- Tahir H.E., Hashim, S. B. H., **Mahunu, G. K.**, Arslan, M., Jiyong, S., Adam Mariod, A., Xiaobo, Z. (2022). Smart Films Fabricated from Natural Pigments for Measurement of Total Volatile Basic Nitrogen (TVB-N) Content of Meat for Freshness Evaluation: A systematic review. *Food chemistry*, 133674. doi:<https://doi.org/10.1016/j.foodchem.2022.133674>
- Tahir, H. E., Arslan, M., **Mahunu, G. K.**, Hashim, S. B., Jiyong, S., Wen, Z., Xiaobo, Z. (2022). Efficacy of biologically active agents and antagonistic yeast to control the incidence of postharvest diseases: A meta-analysis and meta-regression. *Biological Control*, 104952.
- Tahir, H. E., Arslan, M., **Mahunu, G. K.**, Mariod, A. A., Hashim, S. B., Xiaobo, Z., Jiyong, S., El-Seedi, H. R. & Musa, T. H. (2022). The use of analytical techniques coupled with chemometrics for tracing the geographical origin of oils: A systematic review (2013–2020). *Food Chemistry*, 366, 130633.

Research Interest

- Food microbiology in food safety and quality
- Postharvest biological control (bio-control) of diseases of perishables (fruits and vegetables)
- Postharvest plant physiology and pathology

Afoakwah, N. A.

Book chapters

- Tchabo W., Kaptso GK., Bao G. Wang K., **Afoakwah N.A.**, Moses C., M. & Wang X (2022). Impact of Encapsulation Techniques (Drying Methods and Carrier Materials) on the Nutraceutical Release and Absorption Mechanism of Mulberry Leaf. *Food Processing and Preservation*, pp. 1-11

Publications

- Afoakwah, N. A.,** & Mahunu, G. K. (2022). Utilization of Jerusalem Artichoke (*Helianthus tuberosus* L.) Tuber as a Prebiotic and a Symbiotic. In *African Fermented Food Products-New Trends* (pp. 525-536). Springer, Cham.
- Afoakwah, N. A.,** Mahunu, G. K., & Tahir, H. E. (2022). Fermented Millet for Porridge Production: A Model for Improved Gastrointestinal Health. In *African Fermented Food Products-New Trends* (pp. 445-458). Springer, Cham.
- Afoakwah, N. A.,** Mahunu, G. K., & Mariod, A. A. (2022). The Quality Aspect and Safety of Some Traditional Fermented Product from Sorghum and millet. In *African Fermented Food Products-New Trends* (pp. 511-523). Springer, Cham.
- Mahunu, G. K., **Afoakwah, N. A.,** Mariod, A. A., Hudu, A. R., & Tahir, H. E. (2022). Fermentation of Cocoa Bean. In *African Fermented Food Products-New Trends* (pp. 473-485). Springer, Cham.
- Mahunu, G. K., **Afoakwah, N. A.,** Mariod, A. A., Hudu, A. R., & Tahir, H. E. (2022). Fermentation of Cocoa Bean. In *African Fermented Food Products-New Trends* (pp. 473-485). Springer, Cham.
- Mahunu, G. K., **Afoakwah, N. A.,** Hudu, A. R., & Apaliya, M. T. (2022). Improvement of Indigenous Fermentation Technologies for Certain Ghanaian Fermented Foods. In *African Fermented Food Products-New Trends* (pp. 497-509). Springer, Cham.
- Tahir, H. E., Mahunu, G. K., Mariod, A. A., Xiaobo, Z., & **Afoakwah, N. A.** (2022). Biological Activities of Evening Primrose oil. In *Multiple Biological Activities of Unconventional Seed Oils* (pp. 317-332). Academic Press.

Research Interest

- The structure, function and mechanism of functional components in fermented foods.
- Agricultural products processing and comprehensive utilization of their by-products.
- Food safety, quality control technology and toxicological evaluation research in foods.

Dari, L.

Research Interest

- Food and Agro Safety
- Postharvest handling and storage of crops

Alhassan, M. W.

Research Interest

- Food product development of animal and plant proteins
- Bio-fortification of indigenous and underutilised crops.

Atuna, R. A.

Publications

- Atuna, R. A.,** Amagloh, F. C., Denwar, N. N., Asase, V. R., Faisal, S., Baako, E., Koomson, G., Gulkirpik, E., Toc, M., Donnelly, A., Amagloh, F. K., & Andrade Laborde, J. E. (2022). Filling the Protein Gap in Ghana: The Role of Soy. *Frontiers in Sustainable Food Systems*, 5, 1-13. <https://doi.org/10.3389/fsufs.2021.781571>.

- Owusu-Kwarteng, J., Agyei, D., Akabanda, F., **Atuna, R. A.**, & Amagloh, F. K. (2022). Plant-Based Alkaline Fermented Foods as Sustainable Sources of Nutrients and Health-Promoting Bioactive Compounds. *Frontiers in Sustainable Food Systems*, 6. <https://doi.org/10.3389/fsufs.2022.885328>.
- Ackah, S., Bi, Y., Xue, S., Yakubu, S., Han, Y., Zong, Y., **Atuna, R. A.**, & Prusky, D. (2022). Post-harvest chitosan treatment suppresses oxidative stress by Regulating reactive oxygen species metabolism in wounded apples. *Frontiers in Plant Science*, 13. <https://doi.org/10.3389/fpls.2022.959762>.
- Atuna, R. A.**, Ametei, P. N., Bawa, A.-A., & Amagloh, F. K. (2021). Traditional Processing methods reduced phytate in cereal flour, improved nutritional, Functional and rheological properties. *Scientific African*, e01063. <https://doi.org/10.1016/j.sciaf.2021.e01063>.
- Gulkirpik, E., Toc, M., **Atuna, R. A.**, Amagloh, F. K., & Andrade Laborde, J. E. (2021). Evaluation of Oxidative Stability of Full Fat Soybean Flour in Storage And Sensory Quality of Tuo Zaafi-Enriched with Soy Flour as Influenced by Traditional Processing Methods. *Foods*, 10(9). <http://dx.doi.org/10.3390/foods10092192>.
- Sam, F. E., Ma, T.-Z., **Atuna, R. A.**, Salifu, R., Nubalanaan, B.-A., Amagloh, F. K., & Han, S.-Y. (2021a). Physicochemical, Oxidative Stability and Sensory Properties of Frankfurter-Type Sausage as Influenced by the Addition of Carrot (*Daucus carota*) Paste. *Foods*, 10(12). <https://doi.org/10.3390/foods10123032>.
- Sam, F. E., Ma, T., Liang, Y., Qiang, W., **Atuna, R. A.**, Amagloh, F. K., Morata, A., & Han, S. (2021b). Comparison between Membrane and Thermal Dealcoholization Methods: Their Impact on the Chemical Parameters, Volatile Composition, and Sensory Characteristics of Wines. *Membranes*, 11(12). <https://doi.org/10.3390/membranes11120957>.

Research Interest

- To improve the essential nutrient content in the Ghanaian diet using bio-fortified food crops
- Minimising Postharvest losses in food crops
- Value addition to agricultural produce to create business
- Infant nutrition

Chikpah, S. K.

Publications

- Sturm, B., Raut, S., Chikpah, S. K., Ndisya, J., Esper, A., Korese, J. K., Sturm, B., Raut, S., **Chikpah, S. K.**, & Ndisya, J. (2022). Increase of nutritional security in Sub-Saharan Africa through the production of dried products from underutilized crops Increase of nutritional security in Sub-Saharan Africa through the production of dried products from underutilized crops. *Drying Technology*, 1–13. <https://doi.org/10.1080/07373937.2022.2094400>
- Korese, J. K., Achaglinkame, M. A., & **Chikpah, S. K.** (2021). Effect of hot air temperature on drying kinetics of palmyra (*Borassus aethiopum* Mart.) seed-sprout fleshy scale slices and quality attributes of its flour. *Journal of Agriculture and Food Research*, 6, 1–10. <https://doi.org/10.1016/j.jafr.2021.100249>

Research Interest

- Development of novel and functional food products from neglected and underutilized crop species through optimized processing techniques for improve nutrition and food security.
- Application of bioprocess and fermentation technology in food products development and safety.

Abdul-Aziz, B.

Research Interest

- Profiling the nutritional composition of indigenous foods
- Blending cereal and legumes flours, to formulate products of improved Nutritional quality.
- Using spent food waste as adsorbent material for remediating polluted Environment.

Pobi, N. O.

Publications

Richard Atinpoore Atuna, Philip Narteh Ametei, **Abdul-Aziz Bawa**, Francis Kweku Amagloh (2022). Traditional Processing Methods Reduced Phytate in Cereal Flour, Improved Nutritional, Functional and Rheological Properties. *Scientific African* 15(2022) e01063.

Duwiejuah, A. B., Abubakari, A. H., Quainoo, A. K., Amadu, Y. and **Bawa, A-A. (2022)**. Adsorption of Lead, Cadmium, and Mercury Ions in Aqueous Solution using Groundnut and Sheanut Shells Biochars. *African Journal of Biotechnology*. DOI: 10.5897/AJB.

Gameli, B. H. R., Duwiejuah, A. B., **Bawa, A-A. (2022)**. Adsorption of Toxic Metals from Grey water using Low-Cost Spent Green Tea as a Novel Adsorbent. *Scientific African*, Vol. 17, e01296.

Research Interest

- Product development including the use of vegetables and fruits
- Postharvest handling of agriculture products
- Packaging of agricultural products

Bonah, E.

Research Interest

- Non-destructive detection for food safety, quality and authentication using optical methods (Raman spectroscopy near-infrared spectroscopy and hyper spectral imaging)
- Biosensors (electronic nose, calorimetric sensor arrays)
- Data fusion strategy together with machine learning and deep learning approaches (MATLAB proficiency).
- Food safety, quality and regulatory affairs (FSQR) as well as food risk analysis, HACCP and food safety management systems training.

Akabanda, F.**Publications**

- Owusu-Kwarteng, J., Agyei, D., **Akabanda, F.**, Atuna, R.A., and Amagloh, F.K., (2022). Plant-Based Alkaline Fermented Foods as Sustainable Sources of Nutrients and Health-Promoting Bioactive Compounds. *Frontiers in Sustainable Food Systems*. 6:885328. doi: 10.3389/fsufs.2022.885328
- Captain-Esoah, M., Owusu-Kwarteng, J., Ametefe, E.N., **Akabanda, F.**, Hussein, A.M., and Veriegh, F.B.D., (2021). Larvicidal activity of *Bacillus thuringiensis*, *B. Subtilis* and *B. Cereus* against *Aedes*, *Anopheles* and *Culex* mosquito larvae. *Journal of Ghana Science Association*, Volume 20(2), 2021.
- Donkor, M. N., Mosobil, R., Abaah, E.A., Kanati, C., **Akabanda, F** and Donkor, A. M., (2021). Potential of Shea fruit-based ingredients for the feed industry. *Agriculture and Food Security*. (2021) 10:54.

Research Interest

- Food Microbiology and Biotechnology,
- Food Fermentation, Microbial Ecology,
- Food Safety and
- Quality Assurance in the food Industry.

Owusu-Ansah, P.**Publications**

- Owusu-Ansah, P.**, Besiwah, E. K., Bonah, E., & Amagloh, F. K. (2022). Non-Meat Ingredients in Meat Products: a Scoping Review. *Applied Food Research*, 2(1), 100044. <https://doi.org/10.1016/j.afres.2022.100044>.
- Zhang, L., Yu, X., Yagoub, A. E. G. A., **Owusu-Ansah, P.**, Wahia, H., Ma, H., & Zhou, C. (2022). Effects of low frequency multi-mode ultrasound and it's washing Solution's interface properties on freshly cut cauliflower. *Food Chemistry*, 366(February 2021), 130683. <https://doi.org/10.1016/j.foodchem.2021.130683>

Research Interest

- Food Microbiology
- Food Safety and Quality
- Microbial Ecology

Department of Agricultural Innovation Communication

Name	Qualification	Rank/Position
Zakaria, H.	B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana), PhD. (UDS, Tamale, Gh)	Associate Professor/HoD
Obeng, K.F.	B.Sc., M.Phil. (UCC, Cape Coast, Gh), PhD. (Wageningen, The Netherlands)	Associate Professor
*Adam, H.	B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana), PhD. (University of Reading, Berkshire, England)	Senior Lecturer
Sulemana, N.	B.Sc. (UCC, Cape Coast, Gh), PhD. (Wageningen, The Netherlands)	Deputy Director (DCROP) /Senior Lecturer

Adraki, K.P.	B.Sc. (UDS, Tamale, Gh), MSc. (Wageningen, The Netherlands),	Lecturer
Lolig, V.	B.Sc. (UDS, Tamale, Gh), M.Phil (Ghana)	Lecturer
Mohammed, F.	B.Sc. (UDS, Tamale, Gh), M.Phil, PhD(Ghana)	Lecturer
Mintah, S.	B.Sc. (UCC, Cape Coast, Gh), M.Phil (UDS, Tamale, Gh)	Lecturer
*Yussif, K.	B.Sc. (UCC, Cape Coast, Gh), M.phil.(UDS, Tamale, Gh)	Lecturer
Sumbo J.D.	B.Sc., M.Phil. (Ghana)	Lecturer
Alidu, F	B.Sc., (UDS, Tamale, Gh), M.Phil, (Ghana)	Lecturer
Lamptey, C. Y.	B.Sc. (UCC, Cape Coast, Gh); MA (ACI, Akropong, Gh), PhD. MPhil. (UDS, Tamale, Gh)	Lecturer
Alhassan, A.	B.Sc., M.Phil. (UDS, Tamale, Gh)	Assistant Lecturer
Allotey, S. K	B.Sc., M.Phil. (UDS, Tamale, Gh)	Assistant Lecturer

*Study leave or leave of absent

Zakaria H.

Publications

Gamda, A, Sulemana, N and **Zakaria, H** (2022). Access to Education for Persons with Disability in Ghana: A Review. *Environmental Science Proceedings*, 2022 (15); P 1- 6

Zakaria, H. Obeng F. K.1, Quainoo A. K., and Abujaja A. M (2022). Prospects and constraints faced by smallholder farmers in the cultivation of GM crops: A case study from Northern Ghana. *African Journal of Agricultural Research*, Vol. 18(3), pp. 221-230

Yakubu, I.A., **Zakaria, H.** and Allotey, S.S.K. (2022). Contract farming and farmers' well-being: The case of yam farmers in the Mion district of the Northern Region of Ghana. *Journal of Development and Agricultural Economics*, Vol. 14(1), pp. 11-19.

Zakaria, H, Quainoo, AK. and Obeng, FK (2021). Knowledge and understanding about genetically modified (GM) crops among smallholder farmers in Northern Ghana. *Journal of Agricultural Biotechnology and Sustainable Development*, Vol. 14(1), pp. 10-23.

Research interest

- Climate Change and sustainable agriculture
- Agricultural Innovation and Sustainability
- Agri-food systems, gender, and food security
- Rural project development, training and facilitation
- Agribusiness and rural entrepreneurship

Obeng, F. K.

Publications

Zakaria H., **Obeng F. K.**, Quainoo A. K. and Abujaja A. M. (2022) Prospects and constraints faced by smallholder farmers in the cultivation of GM crops: A case study from Northern Ghana. *African Journal of Agricultural Research*. Vol.18(3), pp. 221-230

- Issahaku, A, **Obeng, F.K.**, Akudugu, A., and Yeboah, R. W. N. (2022) Training of Rice Farmers and Its Effect on Socio-Economic Assets Acquisition and Change in Status of Rice Farmers in Northern Ghana. *Business Management and Strategy*. Vol. 13, No. 2
- Zakaria H., Quainoo A. K. and **Obeng F. K.** (2021) Knowledge and understanding about genetically modified (GM) crops among smallholder farmers in Northern Ghana. *Journal of Agricultural Biotechnology and Sustainable Development*. Vol. 14(1), pp. 10-23

Areas of Research Interest

Participatory approaches, Indigenous knowledge, Rural development, Climate change Adaptation and Mitigation, Communication of Agricultural Innovations, Monitoring and Evaluation, Training, Facilitation.

Sulemana, N.

Publications

- Lampitey C. Y., **Sulemana, N.**, Donkoh, S. A., Zakaria, A. and Azumah, S. B., (2022). The Effect of Adoption of Improved Varieties on Rice Productivity in The Northern Region of Ghana. *Review of Agricultural and Applied Economics*. Volume 25, Issue 1: 42-54.
- Azuma, S. B., Lampitey, C. Y., **Sulemana, N.**, Donkoh, S., Zakaria, A. and Maanikuu, P.M.I. (2022). An explorative study on the adoption and dis-adoption of improved rice varieties among farmers in the Northern region of Ghana. *Journal of Experimental Biology and Agricultural Sciences*, Volume – 10(2). Pp 323 – 334
- Gomda A., **Sulemana N.** and Zakaria H. (2022). Persons with Disabilities in Ghana: A Review. *Environ. Sci. Proc.* Vol 15 (50).
- Sulemana, N.**, Millar, D., Hebinck, P. and Wiskerke, H. (2021). Home-grown school feeding programmes and the challenge of embeddedness: the case of local food networks and the Ghana School Feeding Programme. In FAO, Alliance of Bioversity International and CIAT and Editora da UFRGS (ed.). *Public food procurement for sustainable food systems and healthy diets*. Rome: FAO, Volume 2, Pp354-363.

Research interest

- Impact of development projects and programmes on livelihoods of beneficiaries
- Sociology of food and agriculture
- Sustainability issues in agricultural and rural development

Mohammed, F.

Publications

- Mohammed, F.**, Boateng SD and Comfort, F (2022). Effect of Access to Microfinance Support on Growth of Women Agro-Processing Enterprises in the Northern Region of Ghana, 10(3); P12-23

Research Interest

- Agricultural Technology Adoption
- Microfinance and Microenterprise Development
- Agricultural innovation Systems
- Gender and Rural Livelihoods

- Food security and Value chain Analysis.

Lampitey, C. Y.

Publications

- Lampitey C. Y.**, Sulemana, N., Donkoh, S. A., Zakaria, A. and Azumah, S. B., (2022). The Effect of Adoption of Improved Varieties on Rice Productivity in the Northern Region of Ghana. *Review of Agricultural and Applied Economics*. Volume 25, Issue 1: 42-54.
- Azuma, S. B., **Lampitey, C. Y.**, Sulemana, N., Donkoh, S., Zakaria, A. and Maanikuu, P.M.I. (2022). An explorative study on the adoption and dis-adoption of improved rice varieties among farmers in the Northern region of Ghana. *Journal of Experimental Biology and Agricultural Sciences*, Volume – 10(2). Pp 323 – 334.
- Lampitey C. Y., (2022). Adoption Rates of Nerica Innovation among Rice Farmers in Northern Ghana. *Journal of Experimental Agriculture International*, 44(1): 1-12, 2022

Research interest

- Agricultural Extension and Rural Sociology
- Agricultural Innovation Adoption and Disadoption
- Agricultural Technology and Rural Development

Allotey, S. S. K

Publication

- Yakubu, I.A., Zakaria, H. and **Allotey, S.S.K.** (2022). Contract farming and farmers' well-being: The case of yam farmers in the Mion district of the Northern Region of Ghana. *Journal of Development and Agricultural Economics*, Vol. 14(1), pp. 11-19.

Research interest

- Agricultural policy and subsidy
- Livelihood and rural development
- Communication and social change

Alidu, F

Publication

- Alidu, AF, Man, N, Ramli, NN and Haris, NBM and Alhassan A (2022). Smallholder farmers access to climate information and climate smart adaptation practices in the northern region of Ghana. *Heliyon*, e09513

Research Interest

- Climate Smart Adaptation Communication, Livelihoods and Entrepreneurship, Food security,
- Innovation Dissemination and Adoption, Gender and Rural Studies.

Department of Creative Design and Technology

Staff

Name	Qualification	Rank/Position
Dzramedo, E. B.	B.A, MTech, PhD, (KNUST, Kumasi, Gh)	Senior Lecturer, HoD
Sabutey, G. T.	B.A, MBA, PhD, (KNUST, Kumasi, Gh), Chartered Economist (CE), ICEG, (Ghana)	Senior Lecturer
Osei-Bonsu, M.	B.A, PhD (KNUST, Kumasi, Gh)	Lecturer
Mensah, E.	B.A, M.A. (KNUST, Kumasi, Gh)	Lecturer
Woka, D. N.	B.A, M.Phil. (KNUST, Kumasi, Gh)	Lecturer

Dzramedo, B.E.

Publications

Dzramedo, B. E. (2022). Contribution of Small Scale Textile Producers in Ghana towards Economic Growth: The Case of Tamale Metropolis and Its Peripherals. *European Journal of Business and Management*, Vol. 18 (14) pp 22-29

Department of Agribusiness

Staff

Staff Name	Qualification	Rank/Position
Boateng, F.V.	B.Sc. (UDS, Tamale, Gh), M.Phil. KNUST, Kumasi, Gh) Ph.D. (UDS, Tamale, Gh)	Senior Lecturer/ HOD
Lyford, C.P.	B.Sc. (Michigan State University), M.Sc. (Texas A & M. University), PhD (Texas A & M. University)	Professor, Fulbright U.S. Scholar
Yeboah, R.W.N	B.Sc. (University of Ibadan, Nigeria), MPhil (University of Ibadan, Nigeria), PhD (Ghana)	Senior Lecturer
Yakubu, B. I.	B.Sc. (UDS, Tamale, Gh), M.Sc. (Wageningen, Netherlands)	Senior Lecturer
Danso - Abbeam, G.	B.Sc (Ghana), M.Phil. (KNUST, Kumasi, Gh), Ph.D. (UKZN, South Africa)	Senior Lecturer
Abdul- Rahaman, A.	B.Sc., M.Phil. (Ghana.), Ph.D. (Kiel, Germany)	Senior Lecturer
Ehiakpor, D. S.	B.Sc. (KNUST, Kumasi, Gh), M.Phil. (Ghana), Ph.D. (UDS, Tamale, Gh)	Senior Lecturer
Guo, E.	B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana)	Lecturer
Kudadze, S.	B.Sc. (UDS, Tamale, Gh), M.Phil., (UDS, Tamale, Gh)	Lecturer
Setsoafia, E. D.	B.Sc., M.Phil. (Ghana), Ph.D. (Lincoln, New Zealand)	Lecturer
Sadick, M.	B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana), Ph.D. (Kiel, Germany)	Lecturer
Shaibu, A. F.	B.A., M.Phil. (Ghana)	Lecturer
Yussif, M.M.	B.A. (UDS, Tamale, Gh), M.Sc., (KNUST, Kumasi, Gh), M.Phil., (UDS, Tamale, Gh)	Lecturer
Cobbinah, T.M.	B.Sc., M.Phil., (UDS, Tamale, Gh)	Assistant Lecturer
Shiraz, H	B.A., M.Phil. (Ghana)	Assistant Lecturer

Publications

Boateng, F.V.

- Boateng, F. V.**, Donkoh, S. A., and Adzawla, W. (2022). Factors influencing the decision to produce organic or conventional vegetables and the effects of the decision on technical efficiency of farmers in the Northern region of Ghana. *Organic Agriculture*. 12(3), pages 47-61 (2022)
- Boateng, V.F.**, Dokonh, SA & Cobbinah, M.T. Drivers of smallholder farmers; organic farming adoption and the organic share of their total cropland and in the Northern Ghana. *Journal of All Life* (under Review).

Danso-Abbeam, G.

- Ogundeji, A. A., **Danso-Abbeam, G.** & Jooste, A. (2022). Climate information pathways and farmers' adaptive capacity: insights from South Africa. *Environmental Development*, 44: 100743.
- Danso-Abbeam, G.**, Ogundeji, A. A. & Fosu, S. (2022). Cashew contract farming in Ghana: implications on farm performance and household welfare. *Journal of Agribusiness in Developing and Emerging Economies*, DOI 10.1108/JADEE-12-2021-0339.
- Yahaya, M.A., Shimelis, H., Nebie, B., Ojiewo, C.O. & **Danso-Abbeam, G.** (2022) Sorghum production in Nigeria: opportunities, constraints, and recommendations, *Acta Agriculturae Scandinavica, Section B – Soil & Plant Science*, 72(1): 660-672.
- Adetoro, A.A., Ngidi, M.S.C., **Danso-Abbeam, G.**, Ojo, T.O. & Ogundeji, A.A. (2022). Impact of irrigation on welfare and vulnerability to poverty in South African farming households. *Scientific African*, 16: e01177.
- Adetoro, A.A., Ngidi, M.S.C., Ojo, T.O., **Danso-Abbeam, G.**, Ogundeji, A.A. & Orimoloye, I.R. (2022). Weather index insurance as an adaptation strategy to climate change: a global insight. *Climate Research*, 88: 73 – 85.
- Bello, L.O., Baiyegunhi, L.J.S., **Danso-Abbeam, G.**, Ogunniyi, I.S., Olagunju, K. Tahirou Abdoulaye, T., Manyong, V., Zoumana Bamba, Z. & Awotide, B.A. (2022). Assessing the impact of youth-in-agribusiness program on poverty and vulnerability to poverty in Nigeria. *Agriculture*, 12:735.

Abdul-Rahaman, A.

Publications

- Abdul-Rahaman, A.** and Abdulai, A. (2022). Mobile money adoption, input use, and farm output among smallholder rice farmers in Ghana. *Agribusiness: an International Journal*, DOI: 10.1002/agr.21721.
- Abdul-Rahaman, A.**, Issahaku, G. and Ma, W. (2022). Agrifood Systems Participation and Production Efficiency among Smallholder Vegetable farmers in Northern Ghana, Forthcoming in *Agribusiness: an International Journal*
- Ma, W., **Abdul-Rahaman, A.**, and Issahaku, G. (2022). Welfare implications of Participating in Agri-value Chains among Vegetable Farmers in Northern Ghana. Forthcoming in *Agribusiness: an International Journal*
- Issahaku, G., Kornher, L., Saiful Islam, A. H. M., **Abdul-Rahaman, A.** (2022). Heterogeneous Impacts of Home-Gardening on Household Food and Nutrition Security in Rwanda. Forthcoming in *Food Security*.

- Issahaku, G., **Abdul-Rahaman, A.** and Amikuzuno, J. (2021). Climate change adaptation strategies, farm performance and poverty reduction among smallholder farming households in Ghana, *Climate and Development*.
- Abdallah, A-H, **Abdul-Rahaman, A.** and Issahaku, G. (2021). Production and hidden hunger impacts of sustainable agricultural practices: evidence from rural households in Africa, *Agrekon*, <https://doi.org/10.1080/03031853.2020.1855219>
- Abdallah, A-H, **Abdul-Rahaman, A.** and Issahaku, G. (2021). Sustainable agricultural practices, farm income and food security among rural households in Africa. *Environment, Development and Sustainability*, <https://doi.org/10.1007/s10668-021-01407-y>
- Amfo, B., **Abdul-Rahaman, A.** and Issaka, B. Y. (2021). Rice Planting Technologies and Farm Performance under Different Production Systems in Ghana. *International Journal of Productivity and Performance Management*.

Guo, E.

Publication

- Guo, E., Dittoh, J.S., & Apusigh, A. A. (2022). Factors influencing food security among small holder farmers in the upper Region of Ghana. *World journal of Agricultural Research*, 10 (1),30-35. Doi:10.12691/wjar-10-1-5.

Kudadze, S.

Publication

- Quansah, J.Y.D., **Kudadze, S** and Agoke, W (2022). The ban of corporal punishment in a senior high school in Ghana: The perspicacity of teachers at Northern School of Business. *Journal of Children & Society Wiley*. DOI:10.1111/chso.12610

Shaibu, A. F.

Publication

- Shaibu, A. F.**, & Shaibu, M. H. (2022). Agricultural Aid and Growth in Sub Saharan Africa: a Review of Empirical Evidence. *AGRIS on-line Papers in Economics and Informatics*, 14(665-2022-767), 97-109.

Setsoafia, E. D.

Publications

- Setsoafia, E. D.**, Ma, W., & Renwick, A. (2022). Effects of sustainable agricultural practices on farm income and food security in northern Ghana. *Agricultural and Food Economics*, 10(1), 1-15.
- Aboah, J., & **Setsoafia, E. D.** (2022). Examining the synergistic effect of cocoa-plantain intercropping system on gross margin: A system dynamics modelling approach. *Agricultural Systems*, 195, 103301.
- Nkegbe, P. K., Araar, A., Abu, B. M., Alhassan, H., Ustarz, Y., **Setsoafia, E. D.**, & Abdul-Wahab, S. (2022). Nonfarm activity and market participation by farmers in Ghana. *Agricultural and Food Economics*, 10(1), 1-23.

Cobbinah, M.T.

Publications

- Shafiauwu, A.B., & **Cobbinah T. M** (2022). Assessing Tomato Marketing Efficiency in Selected Agro-Ecological Zones of Ghana. *Asian Journal of Agricultural Extension, Economics and Sociology*, 78-92.
- Boateng, V.F., Dokonh, SA & **Cobbinah, M.T.** Drivers of smallholder farmers; organic farming adoption and the organic share of their total cropland and in the Northern Ghana. *Journal of All Life* (under Review)
- Cobbinah, M.T.**, Danso-Abbeam, G., and Ogundeji, A. A. Access to Mutual labour support in agriculture: Implications for maize productivity and efficiency of farmers in Northern Ghana. *Agrekon*. (Under Review).

Department of Food Security and Climate Change

Staff

Name	Qualification	Rank/Position
Issahaku, G.	B. Sc., M.Phil. (UCC, Cape Coast, Gh), PGCE (UEW, Kumasi, Gh), PhD (Kiel, Germany)	Senior Lecturer/HoD
Al-hassan, S.	B.Sc., M.Phil., P.hD (Ghana)	Professor/Vice-Chancellor
Dittoh, S.	P.hD (Ibadan, Nigeria)	Associate Professor
Andani, A.	BA, M.Phil, Ph.D (Ghana)	Senior Lecturer
Daadi, B. E.	B.Sc., (UDS, Tamale, Gh), M.Phil (Ghana), PhD (Kiel, Germany)	Lecturer
Seini, Y. A. R.	B.Sc., M.Sc. (KNUST, Kumasi, Gh)	Lecturer
*Nabilse, C.K.	B.Sc., (UDS, Tamale, Gh), M.Phil (Ghana)	Lecturer
Tetteh, B.K.D.	B.Sc., M.Phil (UDS, Tamale, Gh)	Assistant Lecturer
Abdulai, M.	B.A., M.Phil (UDS, Tamale, Gh)	Assistant Lecturer
Abdullah, K.	B.Sc., M.Phil. (UDS, Tamale, Gh)	Assistant Lecturer

Issahaku, G.

Publication

- Shahzad, M.F., Abdulai. A., & **Issahaku, G.** (2021). Adaptation Implications of Climate-Smart Agriculture in Rural Pakistan. *Sustainability*; 13(21):11702.

Research Interest

- Poverty reduction and Food Security, Sustainable Agriculture, Rural Development and sustainable livelihood Systems.
- Climate-smart innovations, adoption and impacts on food security and poverty.
- Sustainable intensification in West and North Africa.

Al-hassan, S.

Research Interest

- Sustainable Land Use
- Resource use Efficiency
- Agriculture, Livelihood analysis and Climate Change

Dittoh, S.

Research Interest

- African agricultural and food systems transformation, and Farmer-led irrigation development (FLID)
- Sustainable agricultural intensification (SAI)
- Environmental, socio-economic and gender analyses of climate change effects on rural livelihoods and ICT for rural development

Daadi, B. E.

Publications

Daadi, B. E. and Latacz-Lohmann U. (2022). Composting municipal solid waste for agriculture in Northern Ghana: Rural farmers' willingness to pay for compost quality and access attributes, *Q Open*, Volume 2, Issue 1, 2022, qoac012.

Research Interest

- Food production shocks, farmers capacity and resilience to food insecurity
- Organic soil amendments, traditional soil practices and their impacts on household food security.
- Crop-Livestock integration and effects on sustainable food production among smallholder farmers.

Andani, A.

Publications

Iddrisu, S., **Andani, A.** and Solomon, A. A. (2022). The impact of institutional quality on living standards: evidence from 20 sub-Saharan African (SSA) countries. *Journal of Development and agricultural economics*, 14(1), 20-29.

Andani, A., Jatoe, J. B. D. and Al-hassan, R. M. (2021). Production of indigenous food crops: implications for children's nutritional status of farm households in Northern Ghana. *The European Journal of Development Research*, 1-5.

Research Interest

- Sustainable food crop production and food and nutrition Security in rural northern Ghana
- Rural Poverty and livelihood strategies in northern Ghana.
- Microenterprise development as alternative livelihood source for rural community development

Seini, Y. A.

Research Interest

- Socio-economic Analysis of Climate Change, climate-smart innovations, adoption and impacts on food security and poverty
- Under-utilized crops and households' food security and resilience
- Agricultural Market and Value Chain Analysis, resource use efficiency and appraisal of agricultural or developmental interventions.

Nabilse, C. K

Research Interest

- Research Team member: Reorienting Irrigation Investments in the White Volta Basin to Improve Ecosystem Services and the Livelihoods of Women and Youth
- Effects of Deforestation on the provisioning ecosystem services
- Women's Access to Production Resources and its Implications on Household Food Security.

Tetteh, B.K.D.

Publication

Ansah, I. G., Tampaa, F., & **Tetteh, B.K.D.** (2021). Farmers' control strategies against fall armyworm and determinants of implementation in two districts of the Upper West Region of Ghana. *International Journal of Pest Management*, 1-15.

Research Interest

- Postharvest loss management and household welfare.
- Climate-smart adaptation and food security effect.
- Agricultural policy analysis.

Abdulai, M.

Research Interest

- Digital technologies for agriculture, agricultural productivity and rural development
- Climate Services and Sustainable Development
- Agricultural and Food Security Resilient Systems in Developing Countries

Abdullah, K.

Publications

Abdullah, K., Abukari, A. B. T., and Abdulai, A.M. (2022). Testing the climate resilience of sorghum and millet with time series data. *Cogent Food and Agriculture*, 8(1).

Wilby, R.L., Kasei, R., Gough, K.V., Amankwaa, E.F., Abarike, M., Anderson, N.J., Codjoe, S.N., Griffiths, P., Kaba, C., **Abdullah, K.** and Kayaga, S. (2021). Monitoring and moderating extreme indoor temperatures in low-income urban communities. *Environmental Research Letters*, 16(2).

Research Interest

- Climate change adaptation, cascading climate risk, and rural livelihoods
- Climate change governance, protocols and agreements, and Nationally Determined Contributions (NDCs), and National Adaptation Plans (NAPS)
- Sustainable agricultural intensification in West and North Africa.

Department of Agricultural Mechanisation and Irrigation Technology

Staff

Name	Qualification	Rank/Position
Korese, J.K	BSc (UDS, Tamale, Gh), M.Sc. (Hohenheim, Germany), PhD (Kassel, Germany)	Senior Lecturer/HOD
Kranjac-Berisavljevic, G.*	BSc. (Belgrade, Yugoslavia), MSc. (Bari, Italy), D. Litt (St. Cl.), PhD. (Ghana)	Professor/ Deputy, Director, WACWISA
Gbedzi, V.D.*	BSc. (KNUST, Kumasi, Gh), PhD, MSc. (IHE, Delft, The Netherlands)	Senior Lecturer
Adongo, T. A.	BSc., MPhil (UDS, Tamale, Gh), PhD(KNUST, Kumasi, Gh)	Lecturer
Alenyorege, A. E.	BSc., MPhil (UDS, Tamale, Gh), PhD(Jiangsu, China)	Lecturer
Appah, S.	BSc. (UDS, Tamale, Gh), MSc(KNUST, Kumasi, Gh), PhD (Jiangsu, China)	Lecturer
Gandaa, B. Z.	BSc. (UDS, Tamale, Gh), MPhil. (Ghana)	Lecturer
Blege P. K.	BSc., MPhil (UDS, Tamale, Gh)	Lecturer
Ayambire, C. A.	BSc. (UDS, Tamale, Gh), MPhil (KNUST, Kumasi, Gh)	Assistant Lecturer

*Staff on post retirement contract

Publications

Korese, J. K.

Publications

- Sturm, B., Raut, S., Chikpah, S.K., Ndisya, J., Hensel, O., Esper, A. and **Korese, J.K.** (2022). Increase of nutritional security in Sub-Saharan Africa through the production of dried products from underutilized species. *Drying Technology*. <https://doi.org/10.1080/07373937.2022.2094400>.
- Korese, J. K.** and Achaglinkame, M.A. (2022). Effect of different packaging materials on storage stability of *Gardenia erubescens* Stapf. & Hutch. dried fruits and powder. *Applied Food Research*, 2, 100143. <https://doi.org/10.1016/j.afres.2022.100143>.
- Swallah, M. S., Yang, X., Li, J., **Korese, J. K.**, Wang, S., Fan, H., Yu, H., and Huang, Q. (2022). The pros and cons of soybean bioactive compounds: An overview. *Food Reviews International*. <https://doi.org/10.1080/87559129.2022.2062763>.
- Amo-Aidoo, A., Kumi, E. N., Hensel, O., **Korese, J. K.**, and Sturm, B. (2022). Solar energy policy implementation in Ghana: A LEAP model analysis. *Scientific African*, 16, Article e01162. <https://doi.org/10.1016/j.sciaf.2022.e01162>.
- Korese, J. K.** and Achaglinkame, M.A. (2022). Exploring effects of slice thickness, pretreatment and drying air temperature on nutritional, functional and pasting properties of *Gardenia erubescens* Stapf. & Hutch. fruit powder. *Journal of Agriculture and Food Research*, 8, Article 100283. <https://doi.org/10.1016/j.jafr.2022.100283>.
- Korese, J. K.**, Achaglinkame, M.A. and Chikpah, S.K. (2021). Effect of hot air temperature on drying kinetics of palmyra (*Borassus aethiopum* Mart.) seed-sprout fleshy scale slices and quality attributes of its flour. *Journal of Agriculture and Food Research*, 6, Article 6100249. <https://doi.org/10.1016/j.jafr.2021.100249>.

Adzitey, F., Yaro, J., **Korese, J. K.**, Jeinie, M. H., Huda, N. (2021). Effect of raw pearl millet flour inclusion on the quality and formulation cost of beef sausages. *Potravinarstvo Slovak Journal of Food Sciences*, 15, 1039–1048. <https://doi.org/10.5219/1658>.

Research Interest

- Post-harvest technologies
- Processing, storage, properties and value-added utilization of biological materials
- Renewable energy integration focusing in designing, construction, installations as well as putting into operation both solar and solar assisted systems
- Development of solar-powered irrigation systems based on IoT

Kranjac-Berisavljevic, G.

Publications

Orkodjo, P.T., **Kranjac-Berisavljevic, G.**, Abagale, F. K. (2022). Impact of climate change on future precipitation amounts, seasonal distribution, and streamflow in the Omo-Gibe basin, Ethiopia. Impact of climate change on future precipitation amounts, seasonal distribution, and streamflow in the Omo-Gibe basin, Ethiopia. *Heliyon* 8, e09711. <https://doi.org/10.1016/j.heliyon.2022.e09711>

Sutanto, S.J.; Paparrizos, S.; **Kranjac-Berisavljevic, G.**; Jamaldeen, B.M.; Issahaku, A.K.; Gandaa, B.Z.; Supit, I.; van Slobe, E. (2022). The role of soil moisture information in developing robust climate services for smallholder farmers: Evidence from Ghana. *Agronomy*, 12, 541. <https://doi.org/10.3390/agronomy12020541>

Sarku, R., Van Slobbe, E., Termeer, K., **Kranjac-Berisavljevic, G.**, Dewulf, A. (2022). Usability of weather information services for decision-making in farming: Evidence from the Ada East District, Ghana. *Climate Services*, 25, 2405-8807. <https://doi.org/10.1016/j.cliser.2021.100275>.

Kranjac-Berisavljevic, G., Saba, K.S.S. (2021). Wastewater use in West African urban agriculture: Benefits and risks. In: W. Leal Filho et al. (eds.), *Clean Water and Sanitation, Encyclopedia of the UN Sustainable Development Goals*. https://doi.org/10.1007/978-3-319-70061-8_169-1

Research Interest

- Soil-plant-water relationships
- Irrigation methods
- Urban water resource management for agriculture

Adongo, T. A.

Publications

Abagale, F. K., and **Adongo, T. A.** (2022). Physicochemical quality of reservoir sediment in irrigation dams of Northern Ghana. *Lakes and Reservoirs: Research & Management*, 27(2), e12404. <https://doi.org/10.1111/lre.12404>.

Adongo, T. A. (2022). Effect of Hydrologic Soil Groups on Runoff Generation in Reservoir Catchments in Northern Ghana. *Ghana Journal of Science, Technology and Development*, 8(1), 32-47. <https://doi.org/10.47881/326.967x>.

Research Interest

- Irrigation methods
- Agricultural water resources development and management
- Soil and water conservation and management
- Catchment hydrology

Alenyorege, A. E.

Publication

Lu, F., **Alenyorege, E.A.**, Ouyang, N., Zhou, A., and Ma, H. (2022). Simulated natural and high temperature solid-state fermentation of soybean meal: A comparative study regarding microorganisms, functional properties and structural characteristics. *LWT-Food Science and Technology*, 113125.

Research Interest

- Food processing and preservation,
- Non-thermal decontamination of food produce
- Drying and postharvest storage of food materials

Gandaa, B. Z.

Publications

Sanfo S., Neya O., Da, S., Salack, S., Amikuzuno, J., **Gandaa Z. B.**, Hackman, O. K. and Ogunjobi K. O. (2022). Waste recycling and repurposing to address SDG 11 in Burkina Faso. In Croese, S. and Parnell, S. (eds.), Do multi-stakeholder platforms matter?, *Sustainable Development Goals Series*, 978-3-030-95978-4, (Chapter 6).

Sutanto, J. S., Spyridon Paparrizos S., Kranjac-Berisavljevic, G., Jamaldeen, M. B., Issahaku, K. A., **Gandaa, Z. B.**, Supit, I. and van Slobbe, E. (2022). The Role of soil moisture information in developing robust climate services for smallholder farmers: Evidence from Ghana. *Agronomy*, 12, 541. <https://doi.org/10.3390/>

Research Interest

- Designing and construction of conservation structures and erosion control measures.
- Natural resources conflict management
- Designing, fabricating, construction and maintenance of irrigation structures
- Ecosystem service management
- Lowland rainfed and irrigated rice farming management

Gbedzi, V.D.

Research Interest

- Solar powered irrigation systems design
- Watershed management
- Surface and pressurized irrigation systems design

Appah, S.

Research Interest

- Tractorization and mechanical tillage for production
- Electrostatic application for surfactant-pesticide composite spray
- Hydroponic structures and cultivation
- SMART agriculture

Department of Soil Science

Name	Qualification	Rank/Position
Avornyo, V.K.	BSc., (UDS, Tamale, Gh), MPhil (Ghana), PhD (Iowa State University, USA)	Senior Lecturer/ HOD
Ahmed, R. M.	B.Sc. Agric, Dip. Ed., MPhil., PhD. (UCC, Cape Coast, Gh).	Senior Lecturer
Kugbe, J.X.	BSc. (UCC, Cape Coast, Gh), MPhil (Japan), PhD (Germany)	Senior Lecturer
	BSc, MPhil (Ghana), PhD (Ruhr University Bochum, Germany).	Lecturer
Arthur, B.K.	BSc., (UDS, Tamale, Gh), MPhil (Ghana)	Assistant Lecturer

Publications

Avornyo V.K.

Publications

Kpiebaya, P, Amuah, E.EY, Shaibu, A.G, Baatuuwie, B.N, **Avornyo, V.K**, Dekongmen, B.W. (2022). Spatial assessment of groundwater potential using Quantum GIS and multi-criteria decision analysis (QGIS-AHP) in the Sawla-Tuna-Kalba district of Ghana. *Journal of Hydrolog: Regional Studies*. Vol. 43, 101197 <https://doi.org/10.1016/j.ejrh.2022.101197>.

Avornyo, V.K, Zakariah, M, Amo, B.O. (2022). Characterization and classification of a typical ironpan soil formed over Voltaian shale. *Journal of Dryland Ecosystems*. In Press.

Research Interest.

Dr. Avornyo undertakes research in the areas of Spatial Pedology, Integrated Soil Fertility Management (ISFM) and Unmanned Aerial Systems (Drones) remote sensing.

Ahmed, R. M.

Research Interest

Remediation of Heavy Metals in soils and water. Enhancement of soil fertility using Leguminous cover crops. Use of phosphorus fertilizers and inoculants for enhancing nitrogen-fixing ability and productivity of leguminous crops.

Kugbe, J. X.

Research interest

Dr Kugbe's research foci are in the areas of Plant nutrition, Climate change and GIS & Remote sensing

Arthur, B. K.

Research Interest

Gravelly soils and their impact on soil- water-plant relationships. Plant nutrient selectivity in soils.

Avedzi, J.K.

Research Interest

Petroleum microbiology, soil nitrogen fixation, use of organic resources for soil improvement and Integrated Soil Fertility Management.

Department of Horticulture

Staff

Name	Qualification	Rank/Position
Bayor, H.	BSc. (KNUST, Kumasi, Gh), MSc. (Thunder Bay), PhD (Reading)	Snr. Lecturer/Head of Department
Nyarko, G.	BSc., MSc. (KNUST, Kumasi, Gh), PhD (Nottingham)	Professor/Principal, Nyankpala
Abubakari, A.H.	BSc. (UDS, Tamale, Gh), MSc. (London), PhD (KNUST, Kumasi, Gh)	Associate Professor /Vice Dean
Yidana, J.A.	BSc. (UCC, Cape Coast, Gh), PhD (Nottingham)	Snr. Lecturer
Abu, M.	BSc., MSc. PhD (KNUST, Kumasi, Gh)	Snr. Lecturer
Shu-aib Jakpa, S.	BSc. (UDS, Tamale, Gh) MSc. (KNUST, Kumasi, Gh), PhD (Twente)	Snr. Lecturer
Dawuda, M. M.	BSc. (UCC, Cape Coast, Gh) MSc. (KNUST, Kumasi, Gh), PhD (China)	Snr. Lecturer
Chimsah, A. F.	BSc., MSc. (UDS, Tamale, Gh), PhD (China)	Lecturer.
Amadu, Y.	BSc., MSc. (UDS, Tamale, Gh)	Lecturer
Osei-Kwarteng, M.	BSc. (KNUST, Kumasi, Gh) MSc. (Hannover)	Lecturer.
Abdul Rahman, K.	BSc., MSc. (UDS, Tamale, Gh)	Lecturer
Imoro Y*	BSc. (UDS, Tamale, Gh), MSc. (Hannover)	Lecturer
Adam, A	BSc., MSc. (UDS, Tamale, Gh)	Assistant Lecturer

*Staff on study leave

Publications

Nyako G.

Book Chapters

- Osei-Kwarteng, M.,** Gweyi-Onyango, J. P., & Mahunu, G. K. (2021). Harvesting, storage, postharvest management, and marketing of *Hibiscus sabdariffa*. In Roselle (*Hibiscus sabdariffa*). Elsevier. pp. 15-31.
- Osei-Kwarteng, M.,** Gweyi-Onyango, J. P., Mahunu, G. K., Tahir, H. E., & Apaliya, M. T. (2021). Hibiscus sabdariffa: protein products, processing, and utilization. In Roselle (*Hibiscus sabdariffa*). Elsevier. pp. 77-89.
- Gweyi-Onyango, J. P., **Osei-Kwarteng, M.,** & Mahunu, G. K. (2021). Measurement and maintenance of *Hibiscus sabdariffa* quality. In Roselle (*Hibiscus sabdariffa*). Elsevier. pp. 47-67.
- Mahunu, G. K., Apaliyaa, M. T., & **Osei-Kwarteng, M.** (2021). Effect of pests and diseases on Hibiscus sabdariffa quality. In Roselle (*Hibiscus sabdariffa*). Elsevier. pp. 33-46.
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Publications

- Anani, P. Y., **Nyarko, G.,** and Bayor, H. (2021). Effects of triple super phosphate and inoculant on yield of soybean seed in Northern Region of Ghana. 7 (2): 58-70.

Abu M.

Book Chapter

- Abu, M.,** Olympio, N. S. and Darko, J. O. (2022). Harvest Maturity for Mango (*Mangifera Indica* L.) Fruit Based on Accumulated Day-Degrees (°C), Rainfall Amount (mm), and Physical Fruit Development Properties. In Khader, V. (ed.). *Research Highlights in Agricultural Sciences* Vol. 1. India-United Kingdom: B P International, pp. 78-94.
- Abu, M.** and Adzigiwe, K. F. (2022). Highlighting the Possible Causes of Health Disorders in Stored Yam at Farm Gate in Ghana. In Khader, V. (ed.). *Research Highlights in Agricultural Sciences* Vol. 1. India-United Kingdom: B P International, pp. 104-122.

Publications

- Abu, M.** and Yuoni, E. M. (2021) A detergent for mango fruit sap-induced injury. *Horticulture International Journal*. 5(5): 222-227.

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Abu, M. (2021) Vegetable production status in the Tamale metropolitan area in the northern region of Ghana. *International Journal of Agriculture and Environmental Research*, vol. 07, no. 05, pp. 865-883.

Chimsah F. A.

Book Chapter

Francis A. Chimsah (2022) Developing Commercial Tree Nurseries in Northern Ghana:

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George Nyarko and **Francis A. Chimsah (2021)**. A Handbook on Seeds and Seed Production. University for Development Studies, Faculty of Agriculture Food and Consumer Sciences.

Bayor, H.

Publications

Issifu, H., Vergeer, P., George, Ametsitsi, K. D., Klijn, J., Sartorelli, P., Tanson, M.,

Hypolite Bayor, Logah, V., Frank Van Langevelde, & Veenendaal, E. (2021). Responses of tropical tree seedlings in the forest-savanna boundary to combined effects of grass competition and fire. *Biotropica*, 53, 1082-1095. <https://doi.org/10.1111/btp.12948>

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Imoro, Y., **Bayor, H.**, and Kporvie, E. F. (2021). Growth and survival response of regular and epicormic shoots of top grafted shea (*Vitellaria paradoxa*) saplings. *Ghana Journal of Horticulture*. Vol. 15, No. 1, pp. 16 - 21.

Abubakari, A. H.

Publications

Duwiejuah Abudu Ballu, **Abdul-Halim Abubakari**, Quainoo Albert Kojo and Amadu

Yakubu (*in press*) Monometal Adsorption of Lead, Cadmium and Mercury Ions in Aqueous Solution using Groundnut and Sheanut Shells Biochars. *African Journal of Biotechnology*

Alfonso Rodríguez-Vila, Laura Atuah, **Abdul Halim Abubakari**, Dickson Atorgui

Worlanyo, Abdul-Karim Alhassan⁴, Sean Coole, John Hammond, Steve Robinson, Tom Sizmur (Accepted) Effect of biochar on micronutrient availability and uptake into leafy greens in two urban tropical soils with contrasting soil pH. *Front. Sustain. Food Syst.* 6:821397. doi: 10.3389/fsufs.2022.821397

Kyria N. Kah, **Abdul-Halim Abubakari**, Israel K. Dzomeku, Ramson Adombilla (*in*

press) Effects of variety, deficit drip irrigation and rice straw mulch on flowering, fruiting and yield of tomato (*lycopersicon esculentus* L.). *African Journal of Agricultural Research*

Duwiejuah Abudu Ballu, **Abdul-Halim Abubakari**, Quainoo Albert Kojo and Amadu Yakubu (2022). Chemical characteristics of groundnut and sheanut shell biochars as adsorbents and soil conditioners in the era of ecological sustainability. *Bio-Research* 20, (1) 1461-1471

Abudu Ballu Duwiejuah **Abdul-Halim Abubakari** Yakubu Amadu Godwin Abakari (2021) Properties of biochar and its potential role in climate change mitigation and bioenergy generation: a review. *Environmental Sustainability*, 4, 637-647

Shu-aib Jakpa, S.

Publications

Shu-aib Jakpa, S and **Hardi, A.N. (2021)**. Effects of hardening off on Growth, Yield and Quality of some Pepper (*Capsicum annum*) Cultivars. *Ghana Journal of Science, Technology and Development*, 7(3), pp.48-63.

Shu-aib Jakpa, S. (2021). Apiculture - Apiculture. Institute for Distance and Continuing Education (IDCE), University for Development Studies, Tamale, Ghana. 54 pp.

Shu-aib Jakpa, S. (2021). Plant Propagation. Institute for Distance and Continuing Education (IDCE), University for Development Studies, Tamale, Ghana. 37 pp.

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Dawuda M. M.

Publications

Wang J, Zhang J, Li J, **Dawuda M. M**, Ali B, Wu Y, Yu J, Tang Z, Lyu J, Xiao X, Hu L and Xie J. (2021). Exogenous application of 5-aminolevulinic acid promotes coloration and improves the quality of tomato fruit by regulating carotenoid metabolism. *Front. Plant Sci.* 12:683868.

Lyu J, Wu Y, Jin X, Tang Z, Liao W, **Dawuda M. M**, Hu L, Xie J, Yu J, Calderón-Urrea A. (2021). Proteomic analysis reveals key proteins involved in ethylene-induced adventitious root development in cucumber (*Cucumis sativus* L.) PeerJ 9:e10887.

Osei-Kwarteng, M

Publications

Osei-Kwarteng, M. & Brenner, D.M. (2021). A review of taxonomic inventory of amaranths (*Amaranthus* spp. L) in Ghana: An outlook towards characterization of local amaranths. *Academia Letters*, Article 2037. <https://doi.org/10.20935/AL2037>.

Abu, M., **Osei-Kwarteng, M.**, & Atinpoore Atuna, R. (2021). Fertilizer effect on proximate composition and nutritive value of exotic/minor vegetable crops. *Journal of Horticulture and Postharvest Research*, 81-94. <https://doi.org/10.22077/jhpr.2021.4096.1193>

Abu, M., **Osei-Kwarteng, M.** and Seidu, A. (2021). Comparative studies on compound and single-based fertilizers on the food-yield potential of exotic, minor vegetable crops cultivated for the fresh market. *International Journal of Innovation and Scientific Research*, 53 (2), 98-105. <http://www.ijisr.issr-journals.org/abstract.php?article=IJISR-21-004-03>

Mwangi, S. M., Korir, N.K., Mose, R., **Osei-Kwarteng, M.**, Akuja, T.E & Gweyi-Onyango J.P. (2021). Root development does not antagonize regeneration of double node vegetatively propagated tea (*Camellia sinensis*) cultivar propagation. *African Journal of Horticultural Science*, 18 (2), 21-30. <http://repository.seku.ac.ke/handle/123456789/6282>

Imoro, Y.

Publication

Imoro, Y., Bayor, H., and Kporvie, E. F. (2021). Growth and survival response of regular and epicormic shoots of top grafted shea (*Vitellaria paradoxa*) saplings. *Ghana Journal of Horticulture*. 15(1): 16 – 21.

Amadu, Y.

Journal Article

Abudu Ballu Duwiejuah, Abdul-Halim Abubakari, **Yakubu Amadu**, Godwin Abakari (2021) Properties of biochar and its potential role in climate change mitigation and bioenergy generation: a review. *Environmental Sustainability*.

Department of Crop Science

Staff

Name	Qualification	Rank/Position
Addai, I.K	BSc (UDS, Tamale, Gh), MSc (KNUST, Kumasi, Gh), PhD (Sussex, UK)	Associate Professor /HoD
Dzomeku, I. K.	Ph.D. (Reading, UK)	Professor
Sowley, E. N. K.	BSc, (Ghana), PG. Dip. (Norway) Dip. Ed., BSc (UCC, Cape Coast, Gh), MSc, (Bello), MPhil (Ghana), PhD (Reading, UK)	Professor
Badii, K. B.	BSc (UDS, Tamale, Gh) MPhil, PhD (Ghana)	Associate Professor
Adu-Gyamfi, R.	BSc (UDS, Tamale, Gh), MPhil, (Ghana), PhD (Reading, UK)	Associate Professor
Kankam, F.	B.Ed. (UEW, Winneba, Gh), MSc (KNUST, Kumasi, Gh), PhD (Lanzhou, China)	Associate Professor
Lamptey, S.	BSc (UCC, Cape Coast, Gh), MPhil. (Ghana), PhD (Lanzhou, China)	Snr. Lecturer
Alidu, M. S.	BSc. (UDS, Tamale, Gh), MSc.(KNUST, Kumasi, Gh) PhD (Ghana)	Snr. Lecturer
Kwodaga, J.K	BSc., PhD (UDS, Tamale, Gh), MPhil (Ghana)	Lecturer
Mustapha, M.	BSc (UDS, Tamale, Gh), MTech, PhD (TUT, Pretoria, South Africa)	Lecturer
Karikari, B.	BSc (UCC, Cape Coast, Gh), MSc (KNUST, Kumasi, Gh), PhD (NAU, China)	Lecturer
Addah, W.	BSc., MPhil (UDS, Tamale, Gh)	Assistant Lecturer

Addai, I.K.

Publications

- Addai, I. K.**, Bisuki, B. K. and Bawa, A. (2022). Evaluation of Fonio (*Digitaria exilis*) Varieties for Improved Agronomic Traits in the Guinea and Sudan Savannah Agroecological Zones of Ghana. *Advances in Agriculture*, Article ID 4194746, 10 pages, 2022. <https://doi.org/10.1155/2022/4194746>
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- Addai, I.K.**, Bawa, A and N-Yanyi, B. (2022). Mutagenesis for improvement of growth and yield of groundnut (*Arachis hypogea* L.) in the Guinea Savannah agro-ecology of Ghana. *Int. J. Plant Breed. Genet.*, 16: 10-17.
- Addai, I.K.**, Bawa, A. and Asamoah Jnr, K. (2022). Evaluation of Mutant Generations of Irradiated Soybean (*Glycine max* (L.) Merrill) in the Guinea Savannah Agroecology of Ghana. *Int. J. Plant Breed. Genet.*, 16: 1-9.
- Kankam, F., **Addai, I. K.**, Larbi-Koranteng, S and Asamane, T. A. (2021). Root-Knot Nematodes (*Meloidogyne* spp.) Infestation and Reproduction on Soybean (*Glycine max* L. Merrill) Treated with Varying Doses of Gamma Rays. *Agricultural and Food Science Journal of Ghana*, 13: 1197 – 1207.

Research Interest

- Mutation breeding in cereals and grain legumes
- Antitranspirants and their effects on yield of crop plants

Dzomeku, I. K.

Publications

- Vida Bisilki, **Israel K. Dzomeku**, Joseph Xorse Kugbe, Wilson Dogbe, James Nana Ofori and Elisha Njomaba (2021). Response of Rice to Sulfur and Zinc Applications Under Fallowed and Continuously Cropped Soils in Northern Ghana. *International Journal of Plant & Soil Science*, 33(3): 1-20.

Badii, B.K.

Publications

- Nboyine, J. A, Opare-Obuobi, K., Yahaya, **Badii, K. B.**, Kusi, F., Yahaya, A. and Adazebra, G. (2021). Effects of insecticides and cultivars on panicle-feeding insect pest infestations and grain yield of sorghum (*Sorghum bicolor* (L.) Moench) in northern Ghana. *Bulletin of the National Research Centre*, 45:157-170.
- Abdulai, F., **Badii, K. B.** and Nboyine, J. A. (2021). Comparison of maize yield from different Yara fertilization regimes in four locations in the Guinea savanna zone of Ghana. *Greener Journal of Agricultural Sciences*, 10(3):163-172.

Research Interest

- Development of integrated management strategies for the invasive fall armyworm, *Spodoptera frugiperda* (J. RE. Smith)

- Evaluation of the agronomic efficacy of YARA agro products for improved soybean production in northern Ghana

Adu-Gyamfi, R.

Publications

- Agyin-Birikorang, S., Tindjina, I., **Adu-Gyamfi, R.**, Fugice Jr. J, W. Dauda, H. Albert B. Angzenaa, A. B, and Sanabria, J. (2022): Optimizing fertilizer use efficiency for sustainable maize production in strongly acid soils of the Sudan Savanna agroecological zone of Northern Ghana, *Journal of Plant Nutrition*, 45(7):2578-2596. DOI:10.1080/01904167.2022.2064291.
- Agyin-Birikorang, S., **Adu-Gyamfi, R.**, Tindjina, I., Fugice Jr, J., Waku Dauda, H., Singh, U. and Sanabria, J. (2022). Ameliorating incongruent effects of balanced fertilization on maize productivity in strongly acid soils with liming, *Journal of Plant Nutrition*, 45(7):2597-2610. DOI: 10.1080/01904167.2022.2064293
- Agyin-Birikorang, S., Tindjina, I., **Adu-Gyamfi, R.**, Waku Dauda, H., Fugice Jr, J., and Sanabria, J. (2022). Managing essential plant nutrients to improve maize productivity in the savanna agroecological zones of Northern Ghana: the role of secondary and micronutrients, *Journal of Plant Nutrition*, DOI: 10.1080/01904167.2022.2027984
- Agyin-Birikorang, S., **Adu-Gyamfi, R.**, Tindjina, I., Fugice, J., Waku Dauda, H. and Sanabria J. (2022). Synergistic effects of liming and balanced fertilization on maize productivity in acid soils of the Guinea Savanna agroecological zone of Northern Ghana, *Journal of Plant Nutrition*, DOI: 10.1080/01904167.2022.2046083
- Tetteh, A., Kusi, F., **Adu-Gyamfi, R.** and Attamah, P. (2021). Evaluation of the Suitability of Some Cowpea Genotype for Maize-Cowpea Intercrop in Northern Ghana. *American Journal of Plant Sciences*, 12:1817-1834. <https://doi.org/10.4236/ajps.2021.1212127>

Research area:

- Cassava production for starch extraction
- Somatic embryogenesis in Shea (Plant Tissue culture)
- Yam production through Yam Miniset Technique
- Micronutrients and Macronutrients use in Rice, Maize and Soybean.
- Arable crop production

Kankam, F.

Publications

- Kankam, F.**, Akpatsu, I.B. and Tengey, T.K. (2022). Leaf spot disease of groundnut: A review of existing research on management strategies. *Cogent Food & Agriculture* 8(1): 211865. <https://doi.org/10.1080/23311932.2022.2118650>.
- Tengey, T.K., **Kankam, F.**, Ndela, D.N., Frempong, D. and Appaw, W.O. (2022). Growth and toxigenicity of *A. flavus* on resistant and susceptible peanut genotypes. *Toxins* 14: 536. <https://doi.org/10.3390/toxins14080536>.

- Kankam, F.**, Larbi-Koranteng, S., Adomako, J., Kwodaga, J.K., Akpatsu, I.B., Danso, Y. and Sowley, E.N.K. (2022). Anthracnose disease of mango: epidemiology, impact and management options. In Cristiano Bellé (ed.). *Current and Emerging Challenges in the Diseases of Trees*. IntechOpen (Accepted for Publication).
- Adomako, J., Yeboah, S., Oppong-Sekyere, D., Nboyine, J.A., **Kankam, F.**, Danso, Y., Larbi-Koranteng, S., Osei, M.K. and Oteng-Darko, P. (2021). Transgenic plants and its role in insect control. In: Surajit De Mandal (ed.). *New and Future development in Biopesticide research: Biotechnological Exploration*. Springer Nature, DOI: 10.1007/978-981-16-3989-0_8
- Kankam, F.**, Larbi-Koranteng, S. and Adomako, K. (2021). Rhizoctonia disease of potato: epidemiology, toxin types and management. *Egyptian Journal of Phytopathology* 49(1): 197-209.
- Kankam, F.**, Tengey, T.K. and Akpatsu, I.B. (2021). Field evaluation of some cowpea genotypes for resistance to the *Cercospora* leaf spot disease in Northern Ghana. *International Journal of Biosciences* 19(2): 72-81.
- Adomako, J., **Kankam, F.**, Larbi-Koranteng, S., Danso, Y., Asamoah, J.F., Oteng-Darko, P., Agyeman, K., Yeboah, S., Tetteh, E.N. and Danquah, E.O. (2021). Phytophthora diseases in Ghana: threats, management options and prospects. In Waleed Mohammed Hussain Abdulkair (ed.). *Agro-Economic Risks of Phytophthora and an Effective Biocontrol Approach*. IntechOpen, DOI: 10.5772/intechopen.99135.
- Larbi-Koranteng, S., Awuah, R.T., **Kankam, F.**, Abdulai, M., Quain, M.D., Nyadanu, D. and Yükselbaba, U. (2021). Morphological, biochemical and molecular identification of rhizobacteria isolates with potential for biocontrol of fungal plant pathogens, *Archives of Phytopathology and Plant Protection*, DOI: 10.1080/03235408.2021.1909370.

Research Interest

- Molecular characterization of fungal pathogens
- Fungal and nematode management
- Phytoalexin and toxin degradation
- Biological control of diseases

Lampitey, S.

Publications

- Lampitey, S.** (2022). Potentials of Agronomic Practices in Soil Water Management for Sustainable Crop Production under Rain fed Agriculture of Drylands in Sub-Sahara Africa. *African Journal of Agricultural Research*. 18(1):18-26. DOI: 10.5897/AJAR2021.15822
- Lampitey, S.** and Koomson E (2021). The role of Staking and Pruning Methods on Yield and Profitability of Tomato (*Solanum lycopersicum* L.) Production in the Guinea Savanna Zone of Ghana. *Advances in Agriculture*, <https://doi.org/10.1155/2021/5570567>
- Asodewine, P. A, **Lampitey S** and Dzomeku I. K (2021). Pearl Millet-Cowpea Intercrop Effect on *Striga hermonthica* and Grain Yield. *Indian Journal of Weed Science* 53(2): 146-152.

Tiebu, L., Mohammed, R. A and **Lampitey S** (2021). Effects of soil amendments and weeding regimes on growth and yield potential of rice (*Oryza sativa* L.) under different water sources in the Guinea Savanna. *African Journal of Agricultural Research*, 17(3): 472-478.

Research Interest

- Conservation agriculture
- Sustainable Cropping Systems
- Integrated weed management in cereals and legumes
- Agronomic practices for improved soil water

Alidu, M. S.

Publications

Tengey T. K., **Alidu M. S.**, Moro A., Nboyine J., and Emmanuel Israel Affram E. I. (2022): Resistance to *Callosobruchus maculatus* among cowpea (*Vigna unguiculata* (L.) Walp) genotypes, *Journal of Crop Improvement*, DOI: 10.1080/15427528.2022.2092573

Imoro, Z. A., Hlordze, G. B. R., Duwiejuah, A. B., Abukari, A., **Alidu, M. S.**, Acheampong, N. A. and **Imoro, A. Z.** (2022). Indigenous Technologies: Knowledge and Practices for Sustainable Development. In Uday, C., Anil, K., Mark, E., Gopal, K. P. and Dinabandhu, M. (eds). *Indigenous People and Nature- Insights for Social, Ecological, Technological Development*. Elsevier, Netherlands, pp. 593-612

Abubakari, A and **Alidu M. S.** (2022). Assessment of cowpea (*Vigna unguiculata* (L.) Walp) F1 lines response to drought tolerance. *Ghana Journal of Science, Technology and Development*, 8(1), 48-60. <https://doi.org/10.47881/307.967x>

Sowley, E. N. K.

Research Interest

- Field and Postharvest pathology of root and tuber crops.
- Evaluation of plant extracts for the control of pathogenic fungi.
- Epidemiology and control of *Cercospora* leaf spot disease of groundnut

Kwodaga, J. K.

Publications

Book Chapters

Wumbei, A., Gautier, S. K. N., **Kwodaga, J. K.**, Joseph, D. F., & Galani, Y. J. H. (2022). *State of the Art of Yam Production*. In: Kaushik P. (Ed.) *Root Vegetables*. IntechOpen. <https://doi.org/10.5772/intechopen.106504>

Research Interest

Managing bulb rot of onion (*Allium cepa* L.) and shallot (*Allium ascalonicum* L.) with botanicals.

Mustapha M.**Publications**

- Mbah, G. C., **Mohammed, M.**, Jaiswal, S.K. & Dakora, F. D. (2022). Phylogenetic relationship, symbiotic effectiveness and biochemical traits of native rhizobial symbionts of cowpea (*Vigna unguiculata* L. Walp) in South African soil. *Journal of Soil Science and Plant Nutrition*, <https://doi.org/10.1007/s42729-022-00805-z>.
- Mohammed, M.**, Mbah, G. C., Sowley, E. N. K. & Dakora, F. D. (2022). Cowpea Genotypic Variations in N₂ Fixation, Water Use Efficiency ($\delta^{13}\text{C}$) and Grain Yield in Response to *Bradyrhizobium* Inoculation in the Field, Measured Using Xylem N Solutes, ¹⁵N and ¹³C Natural Abundance. *Frontiers in Agronomy*, Vol. 4, No. 764070, <https://doi.org/10.3389/fagro.2022.764070>.
- Mohammed, M.**, Mbah, G. C., Sowley, E. N. K & Dakora, F. D. (2021). *Bradyrhizobium* Inoculation of Field-Grown Kersting's Groundnut [*Macrotyloma geocarpum* (Harms) Marechal & Baudet] Increased Grain Yield and N₂ Fixation, Measured Using the Ureide, and ¹⁵N Natural Abundance Techniques. *Frontiers in Sustainable Food Systems*, Vol. 5, No. 672247, <https://doi.org/10.3389/fsufs.2021.672247>.
- Ayuba, J., Jaiswal, S. K., **Mohammed, M.**, Denwar, N. N. & Dakora, F. D. (2021) Adaptability to local conditions and phylogenetic differentiation of microsymbionts of TGx soybean genotypes in the semi-arid environments of Ghana and South Africa. *Systematic and Applied Microbiology*, Vol. 44, No. 126264, <https://doi.org/10.1016/j.syapm.2021.126264>.
- Margarida, G. S., **Mohammed M.**, Sanjay S. K. and Dakora, F. D. (2021). Functional and genetic diversity of native rhizobial isolates nodulating cowpea (*Vigna unguiculata* L. Walp.) in Mozambican soils. *Scientific Reports*, Vol. 11, No. 12747, pp. 1 – 19, doi.org/10.1038/s41598-021-91889-7.
- Dlamini, S. T., Jaiswal, S. K., **Mohammed, M.** and Dakora, F. D. (2021). Studies of phylogeny, symbiotic functioning and ecological traits of indigenous microsymbionts nodulating Bambara Groundnut (*Vigna subterranea* L. Verdc) in Eswatini. *Microbial Ecology*, doi: <https://doi.org/10.1007/s00248-021-01684-0>.
- Jaiswal, S. K., **Mohammed, M.** and Dakora, F. D. (2021). Rhizobia as a source of plant growth-promoting molecules: potential applications and possible operational mechanisms. *Frontiers in Sustainable Food Systems*, Vol. 4, No. 619676, pp. 1 – 14, doi: 10.3389/fsufs.2020.619676.

Karikari, B.**Publications**

- Coulibaly, D., Hu, G. F., Ni, Z. J., Omondi, K.O., Huang, X., Iqbal, S., Ma, C. D., Shi, T., Hayat, F., **Karikari, B.** and Gao, Z. (2022). Identification of pollen-specific SFB genotype and novel SFB alleles of 48 accessions in Japanese apricot (*Prunus mume* Sieb. et Zucc.). *Forest* (August 24, 2022).
- Coulibaly, D., Huang, X., Ting, S., Iqbal, S., Ni, Z. J., Omondi, K.O., Hayat, F., Tan, W., Hu, G. F., Ma, C. D., **Karikari, B.**, Magdy, M. and Gao, Z. (2022). Comparative analysis of complete chloroplast genome and phenotypic characteristics of Japanese apricot accessions. *Horticulturae* (August 27, 2022).

- Dormatey, R., Qin, T., Wang, Y., **Karikari, B.**, Dekomah, S.D., Fan, Y.; Bi, Z., Yao, P., Ali, K., Sun, C. and Bai, J. (2022). Comparative Transcriptome Profiling Reveals Potential Candidate Genes, Transcription Factors, and Biosynthetic Pathways for Phosphite Response in Potato (*Solanum tuberosum* L.). *Genes*, 13, 1379 (August 1, 2022).
- Cao, Y., Jia, S.H., Chen, L., X., Zeng, X. N., Zhao, T. & **Karikari, B.** (2022). Identification of major genomic regions for soybean seed weight by genome-wide association study. *Molecular Breeding*.42:38 (June 28, 2022).
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- Ahiakpa, J. K., Cosmas, T. N., Anyiam, F. E., Enalume, K. O., Lawan, I., Gabriel, I. B., Oforka, C. L., Dahir, H. G., Fausat, S. T., Nwobodo, M. A., Massawe, G. P., Adachukwu, S. O., Okeh, D. U., **Karikari, B.**, Aderonke, S. T., Awoyemi, O. M., Aneyo, I. A. & Doherty, F. V. (2022). Public knowledge, awareness, perception and acceptance of COVID-19 vaccines in Africa. *PLoS One*. 17(6): e0268230 (June 1, 2022).
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- Yan, W., **Karikari, B.**, Chang, F., Zhang, Z., Li, D., Tuanjie, Z. and Jiang, H. (2021). Genome-Wide Association Study Unearths Genetic Bases and Candidate Genes for Four Growth Stage Traits in Summer Sowing Soybeans. *Frontiers in Genetics*, 12:715529. (September 14, 2021).
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FACULTY OF COMMUNICATION AND CULTURAL STUDIES (FCCS)

The Faculty of Communication and Cultural Studies (FCCS) was established in September, 2019 and located on the Nyankpala Campus of the University. It was created to provide relevant teaching and research in the social sciences and the arts. The faculty currently runs one programme; Communication, Innovation and Technology (BSc. / Diploma in Social Change Communication). Administrative approval has been granted for accreditation to mount French, Performing Arts, History and post graduate programmes of Social Change Communication (MA, MPhil, & PhD) while others have been sent to for administrative approval.

Academic Departments

- Communication, Innovation, and Technology
- Performing Arts
- Journalism and Media Studies
- History
- Politics and Governance
- Languages
- Public Relations and Advertisement.
- Sociology and Anthropology

Current Undergraduate Programmes in FCCS are:

- BSc in Social Change Communication
- Diploma in Social Change Communication

Student Population by Gender

Programme	Male	Female	Total
BSc Social Change Communication	320	283	603
Diploma Social Change Communication	105	106	211
Grand Total			814

Office of the Dean

Staff

Name	Qualification	Rank/Position
<i>Mahama, E.S.</i>	<i>B.A. (Ghana) (M.A.,PhD (Reading, UK)</i>	<i>Senior Lecturer/Dean</i>
<i>Ayelazuno, A. J.</i>	<i>B.A.,(Ghana), MA (Sussex, UK), PhD (York, Canada)</i>	<i>Associate Professor/ Vice Dean</i>
<i>Vida, A. M</i>	<i>B.Ed. (UEW, Winneba, Gh), M.Phil. (Ghana)</i>	<i>Senior Assistant Registrar /Faculty Officer</i>

Department of Communication, Innovation and Technology

Programmes:

- BSc. Social Change Communication
- Diploma Social Change Communication

Staff

Name	Qualification	Rank/Position
Mumuni, E.	HND (TaTU, Tamale, Gh), MA (UDS, Tamale, Gh), MBA (PGSM, France), PhD (Nottingham, UK), PhD (NWU, South Africa)	Senior Lecturer, HoD
Alhassan, A.	PhD (Concordia, Canada)	Associate Prof.
*Amadu, M. F.	BA (UDS, Tamale, Gh), MPhil (UDS, Tamale, Gh)	Lecturer
Yussif, M.	BA, MPhil (UDS, Tamale, Gh), MSc (SOAS, UK)	Lecturer
Gbambu, A.R.	BA, MA& MSc (Stafford, Uganda)	Assistant Lecturer
Debie, J.M.	BA &MA (Ghana)	Principal Research Assistant

Publications

Mumuni, E

1. Zakaria S., Achanso, A. S., **Mumuni, E.** (2022). Connecting Traditional Belief Systems, Natural Resource Conservation and Sustainability in West Gonja Traditional Area of Ghana. *Journal of Energy and Natural Resource Management, The University of Energy and Natural Resources Management, Ghana*. Vol. 8, No. 1, 67-75, 2022. DOI: 10.26796/jenrm.v8i1.193

Department of Public Relations and Advertising

Staff

Name	Qualification	Rank/Position
Abdulai, M.	BA (Ghana), MA (Aalborg, Denmark), PhD (Tallin, Estonia)	Lecturer (Acting Coordinator)
Umaru, N.	B.A. (UDS, Tamale, Gh) MPhil, (UEW, Winneba, Gh)	Assistant Lecturer
Atiirimbey, A. L.	B.A. (UDS, Tamale, Gh) MPhil, (UEW, Winneba, Gh)	Assistant Lecturer
Tetteh N.N.	B.A. (UDS, Tamale, Gh) MPhil, (UEW, Winneba, Gh)	Assistant Lecturer
* Chentiba, A.T.	B.A. (UDS, Tamale, Gh) MPhil, (UEW, Winneba, Gh)	Lecturer

Publications

Journal Articles

Abdulai, M.

1. **Abdulai, M.** & Roosalu, T. (2022). International Student Mobility and Transformative Intercultural Learning in Estonia and Denmark. July 2022, *Journal of Intercultural Communication* 22(1):17-29. DOI: 10.36923/jicc.v22i1.25

2. Abdul Latif, A. Mashudu S. **Abdulai, M.** (2022): Contemporary Mobility Decisions of International and Danish Students in Denmark Amidst the COVID-19 Pandemic. *Human Arenas*. Springer Nature. <https://doi.org/10.1007/s42087-022-00280-z>
3. **Abdulai, M.**, Roosalu, T & Brady, W. (2021). Cultural Barriers and Enablers of Integrating Educational Migrants from the Global South: The case of Graduate Students in Europe. *International Journal of Educational Development*. Elsevier. <https://doi.org/10.1016/j.ijedudev.2021.102479>

Book(s)/Book Chapter(s):

1. **Abdulai, M.** (2022)- Mobility and Cross-Cultural Interactions of Sub-Saharan African Students in Estonia and Denmark. ISSN 1736-3632/ISBN-978-9949-29-611-8

Tetteh, N.N

1. **Tetteh, N.N.**, & Osei-Mensah, B. (2022). Mapping Technology: Stakeholder Perspectives on Ghana Post GPS, *International Journal of Humanities and Social Studies*. <http://www.internationaljournalcorner.com/index.php/theijhss/article/view/167743>

Department of Journalism and Media Studies

Staff

Name	Qualification	Rank/Position
Sayibu, M. S.	Dip (GJ, Accra, Gh) MA (Cardiff, UK) PhD (Bangor, UK)	Lecturer (Coordinator)
Dramani, S.J.	B.A (GJ, Accra, Gh) MPhil (UEW, Winneba, Gh)	Assistant Lecturer
Shahadu, H.	B.A (Ghana) MSc (LSE, UK)	Chief Research Assistant

Publications

Journal Articles

Sayibu, M. S.

1. Alhassan, E., Bawa, G. M., & **Sayibu, M. S.** (2022) Basic Educational Attainment of Foster Children in the Tamale Metropolis of the Northern Region of Ghana. *International Journal of Education, Learning and Development*, 10(6), 54-78
2. Mohammed, Y., Alhasan, E., & **Sayibu, M. S.** (2022) Female Chiefs in Dagbon Traditional Area: Role and Challenges in the Northern Region of Ghana. *International Journal of Sociology and Anthropology Research*, 8(2), 57-81

Shahadu, H.

1. Ayelazuno, J. A., & **Shahadu, H.** (2022) Exploring Worldwide Democratic Innovations- A case study of Ghana. <https://epd.eu/wp-content/uploads/2022/07/case-study-ghana.pdf>

History Department

Staff

Name	Qualification	Rank/Position
Longi Felix, Y. T	B.A (UCC, Cape Coast, Gh) MPhil, PhD (Ghana)	Senior Research Fellow
Samuel, N. A.	B.A(UDS, Tamale, Gh), MPhil & PhD (Ghana)	Lecturer
Dominic, W. A.	B A, (Ghana), MPhil & PhD, (Oslo, Norway)	Lecturer

Publications

Longi Felix Y.T

1. Mbowura C. K. & **Longi Felix Y. T.** 2021, *The Great and Magnificent Heritage: Themes in African Civilization*, Woeli Publishing Service, Accra.

Book Chapters

1. **Longi Felix Y.T.**, David S, Y. & Sunday K.L., 2022, Examining the Features of The Bunkpurugu/Yunyoo Ethnic Conflict in Cletus K. Mbowura et. Al. (Eds) *Ghana in The New Millennium, Critical Notes, Prospects and Challenges*, Woeli Publihiing Services, Accra, pp. 270-301. (At the press)
2. Samuel Nana Abokyi & **Longi Felix Y.T.**, 2022, Conflicts in the Chereponi District in Contemporary Times: A Historical Survey of an Untold Story in Cletus K. Mbowura et. Al. (Eds) *Ghana in The New Millennium, Critical Notes, Prospects and Challenges*, Woeli Publihiing Services, Accra, pp. 303- 322. (At the press)
3. Abdulai Abubakari & **Longi Felix Y. T.**, 2022, Border Controls and Cross-Border Movements of Fulani Herdsmen into the Upper East Region of Ghana: Implications for Security. In Steve Tonah (Ed) *Farmer Herder Relations in Ghana*, Research and Publications Unit, Department of Sociology, University of Ghana, Legon.
4. **Longi Felix Y. T.**, Bolaji, M. A. H. & Mbowura C. K., 2021, Conflicting Claims over Land: The Land Factor in Conflicts in Northern Ghana. In Seidu M. Alidu, Awaisu I, Ibrahim & Cletus K. Mbowura (Eds) *Contemporary Issues in Ghana: Politics, Security, Conflicts and Identity*, Woeli Publishing Services, Accra, pp. 87-105.
5. David, S. Y. & **Longi Felix Y. T.**, 2022, Developing Alternatives: Citizens Perspectives on the Causes and Ramifications of the 2003 Conflict in Darfur. *International Journal of Conflict Management*, Vol. 3, No. 1. Pp. 42-60. Online www.carijournals.org.

Samuel Nana Abokyi

Book Chapters

1. Dawuda, A. E. B. & **Abokyi , S, N** 2022, The Power of Economic Forces on Labour: Migrant Labour and Migration in Perspectives in Colonial Ghana in Cletus K. Mbowura et. al. (Eds) *Ghana in The New Millennium, Critical Notes, Prospects and Challenges*, Woeli Publihiing Services, Accra, pp. 303- 322. (At the press)
2. **Abokyi, S. N** & Longi Felix Y.T., 2022, Conflicts in the Chereponi District in Contemporary Times: A Historical Survey of an Untold Story in Cletus K. Mbowura et. Al. (Eds) *Ghana in The New Millennium, Critical Notes, Prospects and Challenges*, Woeli Publihiing Services, Accra, pp. 303- 322. (At the press)

Department of Sociology and Anthropology

Staff

Name	Qualification	Rank/Position
Alhassan, E.	B.A., MPhil, PhD (Ghana)	Associate Prof.
Shahanunu, Z.	BEd (UEW., Winneba, Gh), MPhil, (UDS, Tamale, Gh) PhD, (Millar Open University, Gh)	Lecturer
Agana, W. A.	B.A (Ghana) M.A, (UEW., Winneba, Gh) PhD (University of Muenster; Germany)	Lecturer
Dassah, E.Z.	B.A& MPhil (University of Meunster, Germany) PhD (Westfälische Wilhelms University, Muenster, Germany)	Lecturer
Millar, K.K.	B.A., (UDS, Tamale, Gh), Mphil, (Millar Open University, Bolga, Gh)	Assistant Lecturer
Iddrisu, A.	B.A & MPhil (Ghana)	Assistant Lecturer
Mohammed, A.	BA& MPhil (Ghana)	Assistant Lecturer
Alhassan, B. Z	B.A & MPhil (Ghana)	Assistant Lecturer
Abutima T. K	B.A, MPhil& PhD (Ghana)	Lecturer
Adua Y. J	B.A & MPhil (UDS, Tamale, Gh)	Assistant Lecturer
Abdul-Rahaman S.	B.A & MPhil (Ghana)	Assistant Lecturer
Gunu M. I.	B.A & MPhil (Ghana)	Assistant Lecturer

Publications

Eliasu Alhassan

Journal Articles

1. **Alhassan, E.** & Duorinaah, (2021) Assessment of the contribution of female head teachers to academic performance in Junior High Schools in Northern Ghana. *EBSU Journal of Social Sciences*. V. 10 No. 2 pp. 120-141
2. Duorinaah, E. & **Alhassan, E.** (2021) Influence of leadership Styles of head teachers on pupils learning outcomes in Junior High Schools in Northern Ghana. *International Journal of Humanities and Social Studies*. V. 9 Issue 4. Pp. 123-133
3. Gideon K. A & **Alhassan E.** (2022) Spousal Selection for Marriage by Tertiary Students in Wa Municipality of Ghana: Internal Factors in Perspective, *European Journal of Development Studies*. V. 2. pp. 31-41
4. **Alhassan, E.** Bawa, G. M. & Mahama S. (2022) Basic Educational Attainment of Foster Children in the Tamale Metropolis of the Northern Region of Ghana. *International Journal of Education, Learning and Development* Vol. 10, No.6, pp.54-78.
5. Yakubu, M. **Alhassan, E.** & Mahama S. S. (2022) Female Chiefs in Dagbon Traditional Area: Role and Challenges in the Northern Region of Ghana, *International Journal of Sociology and Anthropology Research*, Vol.8, No.2 pp.57-81

Research Interest

Education, Rural Development, Gender and Deviant behaviour

Abdul Rahaman Abdul Salam**Journal Articles**

1. Haruna, I. & **Abdul Salam A.** (2021) Rethinking Russian Foreign Policy towards Africa. Prospects and opportunities for cooperation in new Geological Realities. *European Journal of Humanities and Social Sciences*. V. 1 (2) pp. 10-20

Research Interest

- Rural and Urban Health and Political Economy

Zakaria Shanunu

1. **Zakaria, S.**, Suleman A. A., Ibrahim M. G., & Iddrisu S. (2021). Cultural/Customs and Traditional Belief Systems That Impact Participation of Females in Sports/Games and Physical Activities. The Case of Colleges of Education in Northern Region-Ghana. *International Journal of Research and Innovation in Social Science*. Volume V, Issue X. pp 515- 527
2. **Zakaria, S.**, Achanso, A. S., Mumuni, E. (2022). Connecting Traditional Belief Systems, Natural Resource Conservation and Sustainability in West Gonja Traditional Area of Ghana.
3. *Journal of Energy and Natural Resource Management*, The University of Energy and Natural Resources Management, Ghana. Vol. 8, No. 1, 67-75, 2022. DOI: 10.26796/jenrm.v8i1.193

Research Interest

- Rural Development and Gender Studies

Abutima, T. K

1. Kandilige, L, Yeboah T., **Abutima, T. K** (2022). Citizenship, Belonging and Crisis-induced Returns to Ghanaian Migrants from Cote d'Ivoire. *African Human Mobility Review*, 8(1), 34-58.

Research Interest

2. Migration, gender and family welfare

Department of Performing Arts**Staff**

Name	Qualification	Rank/Position
Jebuni, T.S.	Dip. BA. M.Phil. (Ghana)	Lecturer/ Coordinator
Odoi-Yeboah, M.	BFA (UCC, Cape Coast, Gh), MFA (Ghana)	Assistant Lecturer
Abdulai, Z.O.	BEd & MPhil (UEW., Winneba, Gh)	Assistant Lecturer
Sherriff Y. M	BEd.(UEW,Winneba, Gh), MPhil (Ghana)	Assistant Lecturer

Publications

Jebuni, T.S

1. **Jebuni, T.S** (2021). Salafi Muslims and the Aesthetics of Dagbamba Music and Dance Performance in Dagbon of Northern Ghana. In A. Seidu, I. B.Awiaisu, & K.M. Cletus, *Contemporary Issues in Ghana: Economy, Development, Gender & Society* (pp.207-234). Accra New Town: Weoli Publishing Services.

Mohammed, S. Y

1. **Mohammed, S. Y.**, & Wunpini, F. M. (2022). Baansi ni Yila: A Critical History of the Music in Northern Ghana. In S. Abiodun, & I.A. Fadipe, *Indigenous African Popular Music* (pp61-78) Palgrave Macmillan.

Department of Politics and Governance

Staff

Name	Qualification	Rank/Position
Ayanoore, I.	B.A. MPhil (Ghana), PhD (Manchester, UK)	Lecturer, HoD
Ayelazuno, A. J.	B.A. (Ghana), MA (Sussex, UK), PhD (York, Canada)	Associate Prof, Vice Dean
Bukari, G. A.	Diploma (Ghana), BA (UDS, Tamale, Gh), PGdip (GIMPA, Accra), MSc (KNUST, Kumasi, Gh), MA (UCC, Cape Coast, Gh), PhD (Ghana,).	Lecturer
Ibrahim, M.G.	DipEd (UEW, Winneba, Gh), BA (UDS, Tamale, Gh), MPhil & PhD (UCC, Cape Coast, Ghj).	Lecturer
Ibrahim, N.	B.A (UDS, Tamale, Gh), MSc & PhD (Central China Normal University, China)	Lecturer
Amobire, A.	B.A (UDS, Tamale, Gh), MA (Bradford, UK), PhD (Hull, UK).	Lecturer
Abdul Razak, A.	B.A & MPhil (Ghana)	Assistant Lecturer

Publications

Ayanoore, I

1. **Ayanoore, I.** & Hickey, S. (2021). "Reframing the Politics of Natural Resource Governance in Africa: Insights from the Local Content Legislation Process in Ghana." *Politics & Policy* 00: 1-18.
2. **Ayanoore, I.** (2021). The factors eroding enterprise development in Ghana's oil and gas sector: A critical reflection on why the enterprise development centre failed. *The Extractive Industries and Society*.

Book Chapter:

1. Ayelazuno J. A. & **Ayanoore, I.** (2022). The Social Injustices of Ghana's Oil Industry In: Acheampong, T. & Stephens T. K. (eds.) *Petroleum Resource Management in Africa: Lessons from Ten Years of Oil and Gas Production in Ghana*. United Kingdom: Palgrave Macmillan.

Ayelazuno, J. A

1. **Ayelazuno, J. A., & Aziabah, M. A. (2021).** Leaving No One Behind in Ghana Through University Education, Interrogating Spatial, Gender and Class Inequalities. Working Paper 2021-1, United Nations Research Institute for Social Development [UNRISD]: Geneva.

Book Chapters:

1. **Ayelazuno, J. A.** and Graham, E. (2022). It is Still Extractive Imperialism in Africa: Ghana's Oil Rush, Extractivist Exploitation, and the Unpromising Prospects of Resources-Led Industrialization. In Oloruntoba, S.O. and Falola, T. (eds), *The Palgrave Handbook of Africa and the Changing Global Order*. Cham: Palgrave Macmillan.
2. **Ayelazuno J. A.** & Ayanoore, I. (2022). The Social Injustices of Ghana's Oil Industry In: Acheampong, T. & Stephens T. K. (eds.) *Petroleum Resource Management in Africa: Lessons from Ten Years of Oil and Gas Production in Ghana*. United Kingdom: Palgrave Macmillan.

Bukari G, A

Journal Article

1. **Bukari, G.A.** (2022). Political Economy of elections and voting behaviour in Ghana's fourth republic, 1992-2020. *Africa Journal of Public Sector Development and Governance*. Vol.5(1) pp 86-108.
2. Dodswort, S., Alidu, S.M., Bauer, G. & **Bukari, G.A.** (2022). Parliamentary primaries after democratic transition: explaining reforms to candidate selection in Ghana. *African Affairs* 00/00, pp 1-23
3. Anaman, K. A. & **Bukari, G. A.** (2021). Voter Turnouts in Presidential Elections in Ghana: A Political Economy Analysis Using District-Level Data. *Journal of Applied Economics and Finance*, Vol. 8(1)13-31.

Ibrahim, N

Journal Article:

1. Hlovor, I. K., Shaibu, Y., & **Ibrahim, N.** (2021). The End of Neoliberal Globalism: A Critical Perspective. *Asian Research Journal of Arts & Social Sciences* 14(1):1-10

Ibrahim, M. G

Journal Articles:

2. **Ibrahim, M.G.**, Mahama, E.S., & Fuseini, M. N. (2022). Cultural dynamics and conflict management: Evidence from Buiepe and Bole chieftaincy conflicts in the Savannah Region, Ghana. *Conflict Resolution Quarterly*, 1-17.
3. Zakaria, S., Suleman A. A., **Ibrahim M. G.**, & Iddrisu S. (2021). Cultural/Customs and Traditional Belief Systems That Impact Participation of Females in Sports/Games and Physical Activities. The Case of Colleges of Education in Northern Region-Ghana. *International Journal of Research and Innovation in Social Science*. Volume V, Issue X. pp 515- 527

Department of Languages

Staff

Name	Qualification	Rank/Position
Fiadzawoo, J.K.	B.Ed, MPhil, Ph.D (UCC, Cape Coast, Gh)	Senior Lecturer, HoD
Mahama, E.S.	B.A (Ghana), M.A., Ph.D (Reading, UK)	Senior Research Fellow, Dean, FCCS
Dable, G.S.	B.A., MPhil. (KNUST, Kumasi, Gh)	Lecturer
Ganu, D.K.	B.A., MPhil. (UCC, Cape Coast, Gh)	Assistant Lecturer
Abdul-Razak, I.	B.Ed (UEW, Winneba, Gh), M.A, MPhil (Ghana)	Assistant Lecturer
Salifu, I.	B.Ed, & MPhil (UEW, Winneba, Gh)	Assistant Lecturer
Arimiyaw, J.A.	B.A. (KNUST, Kumasi, Gh), MPhil (UBM, Bordeaux, France)	Assistant Lecturer
Afari, E.S.K.	B.A (KNUST, Kumasi, Gh), PGDTLHE (UEW, Winneba, Gh), MPhil (KNUST, Kumasi, Gh)	Assistant Lecturer
Mohammed, H. J.	BEd & MPhil (UEW, Winneba, Gh)	Assistant Lecturer
Awiah, W. J.	BEd & MPhil (UCC, Cape Coast, Gh)	Assistant Lecturer

Publications

Fiadzawoo, J. K.

Journal Articles

1. **Fiadzawoo, J. K.**, Attati, B. A. Attati, F. (2021). Phénomènes d'interférences phonétiques en FLE chez les étudiants-enseignants en deuxième année de Bagabaga College of Education, Tamale. Akofena - spécial n°6, Vol.2 Juin 2021 7 12.
2. **Fiadzawoo, J. K.**, Mohammed, I., Yegblemenawo, SAM (2021). Students' Engagement with Social Media and its Ramifications on their Participation During Lectures at the Faculty of Education, UDS-Tamale. Journal of Educational Review (JER), Vol. 13, No 1
3. **Fiadzawoo, J. K.**, Mahama, E.S., Attati, F. (2022). Online news patronage among students of University for Development Studies, and its pedagogical perspectives for language teachers. European Journal of Education Studies, Vol 9, No 5

Mahama, E.S.

1. Ibrahim M. G & **Mahama, E.S.** 2022. Cultural Dynamics and Conflict Management: Evidence from Buiepe and Bole Conflicts in the Savannah Region, Ghana in *Conflict Resolution Quarterly*; pp1-17. wileyonlinelibrary.com/journal/crq. Wiley Periodicals LLC.
2. Fiadzawoo J.K., **Mahama, E. S.** & Attati, F. 2022. Online News Patronage among Students of University for Development Studies, and its Pedagogical Perspectives for Language Teachers in *European Journal of Education Studies*, Vol. 9, Issue 5, pp 229-243. Available online at: www.oapub.org.edu

3. Abdul-Razak, I. & **Mahama, E.S.** (2021). Evaluation of Language Policy in Education in two speech communities in Northern Ghana. In *Journal of Education Development and Practice* Vol. 4, Number 4. pp 21-39.

Afari, S.K. E

1. Abire, S.A., **Afari, E.S.K.** & Kodah, M. K. (2022). Mensonges des hommes politiques africains dans « En attendant le vote des bêtes sauvages » d'Ahmadou Kourouma. Collection FLE/FLA, 3(5), 53-62.

Ganu, D. K

1. **Ganu, D.K.**, Tortor, D.K. (2021). La dialectique de l'espoir dans Festins de la détresse d'Aminata Sow Fall. *Revue DELLA/ AFRIQUE*, 3(8), 245-260.
2. Tortor, D. K., **Ganu, D. K.**, Gligb, E. S. (2021). L'écriture du vide: Une perspective analytique de Comment cuisiner son mari à l'Africaine de Calixte Beyala. Djiboul, 3(2)

FACULTY OF NATURAL RESOURCES AND ENVIRONMENT

The Faculty of Natural Resources and Environment started as a Department in the Faculty of Agriculture but metamorphosed into a full-fledged Faculty in the 2009/2010 academic year. In alignment with the university's mandate, the Faculty has been involved in teaching, research and extension services. The Faculty trains the needed manpower for sustainable management and utilization of the country's savannah ecosystems as well as the natural and environmental resources in general for national development.

Academic Departments

Currently, the Faculty has five (5) academic departments as follows:

- Department of Forestry and Forest Resources Management
- Department of Environment and Sustainability Sciences
- Department of Ecotourism and Hospitality Management
- Department of Biodiversity Conservation and Management
- Department of Natural Resources and Geo-Information Sciences

Student Population

Programme	Male	Female	Total
Diploma in Natural Resources Management	94	51	145
BSc in Renewable Natural Resources	117	65	182
BSc in Ecotourism and Hospitality Management	13	31	44
BSc in Environmental Management and Sustainability	37	29	66
BSc in Forest Resources Conservation and Management	39	24	63
MPhil in Environmental Management and Sustainability	30	12	42
PhD in Environmental Management and Sustainability	32	8	40
Total	362	220	582

Office of the Dean

Staff

Name	Qualification	Rank/Position
<i>Cobbina, S. J.</i>	<i>BSc. (UCC, Cape Coast, Gh), MPhil (Ghana), PhD, (JU, Jiangsu, China)</i>	<i>Assoc. Professor/Dean</i>
<i>Baatuuwie, N. B</i>	<i>BSc. (UDS, Tamale, Gh), MSc (KNUST/ TTC, Kumasi, Gh/ Enschede, The Netherlands), PhD (KNUST, Kumasi, Gh)</i>	<i>Snr Lecturer/Vice Dean</i>
<i>Andani, I. M.</i>	<i>BA, MA (Ghana), PhD (Indian)</i>	<i>Asst. Registrar/ Faculty Officer</i>

Andani, I. M**Publications**

1. **Andani, I. M.** and Antwi-Boateng, O. (2021), FM stations' Role in Rural Development: The case of Northern Ghana, Perspective on Global Development and Technology, (20). Pp. 336-357.

Research Interest

- Development Communication
- Corporate Communication and Media Effects
- New Media Technology

Department of Biodiversity Conservation and Management**Staff**

Name	Qualification	Rank/Position
Imoro, A. Z.	B.Sc. (UDS, Tamale, Gh), MPhil (UCC, Cape Coast, Gh), PhD (KNUST, Kumasi, Gh)	Senior Lecturer/HoD
Weobong, A. C.	MPhil (KNUST, Kumasi, Gh), PhD (UDS, Tamale, Gh)	Senior Lecturer, Faculty TTFPP Coordinator
Lawyer, E. A.	B.Sc. M.Sc. (UDS, Tamale, Gh), PhD (Freiburg, Germany)	Lecturer, Departmental Quality Assurance Officer
Abukari, H	B.Sc. (UDS, Tamale, Gh), MPhil (Ghana), PhD (DAR ES SALAAM, Tanzania)	Lecturer, Departmental Examinations Officer, Farm Manager
*Aikins, K. T.	B.Sc., MPhil (UDS, Tamale, Gh), MPhil (UG, Legon, Gh)	Lecturer, Departmental Museum Manager
Dzitse, S.	B.Sc., M.Phil., (UCC, Cape Coast, Gh)	Asst Lecturer / Rep, Research Unit
Dery, G	B.Sc. (UDS, Tamale, Gh) MPhil (KNUST, Kumasi, Gh)	Asst Lecturer / Asst Meseum Manager

****Part time study leave**

Publications**Imoro, A. Z.**

1. Imoro, Z. A., Hlordze, G. B. R., Duwiejuah, A. B., Abukari, A., Alidu, M. S., Acheampong, N. A. and **Imoro, A. Z.** (2022). Indigenous Technologies: Knowledge and Practices for Sustainable Development. In Uday, C., Anil, K., Mark, E., Gopal, K. P. and Dinabandhu, M. (eds). *Indigenous People and Nature- Insights for Social, Ecological, Technological Development*. Elsevier, Netherlands, Pp. 593-612.
2. **Imoro, A. Z.**, Imoro, Z. A., Duwiejuah, A. B. and Abukari, A. (2021). Harnessing Indigenous Technologies for Sustainable Management of land, water, and food resources amidst climate change. *Frontiers in Sustainable Food Systems*, (5). Pp. 1- 11.

3. Zibbila, M. H., Abukari, A. and **Imoro, A. Z.** (2021). Effects of Biochar Types on Early Development of *Moringa Oleifera* (L) Seedlings and Water Holding Capacity of Savanna Soils of Ghana. *Agriculture and Forestry Journal*, 5(2). Pp. 96-101.
4. **Imoro, A. Z.**, Danquah, E. and Abukari, A. (2022). Mineral Composition of some Important Indigenous Savanna Forage Shrub Species in Ghana. *Turkish Journal of Agriculture-Food Science and Technology*, 10(6). Pp. 1034-1038.
5. Dery, G., **Imoro, A. Z.** and Dzitse, S. (2022). A Survey on Trade in Wildlife Parts in the Northern Region of Ghana. *Global Ecology and Conservation*, (38). Pp. 1-8.

Research Interests

- Conservation ecology
- Land use and biodiversity conservation
- Rangeland soil quality improvement

Weobong, C. A

1. Abalori, T. A., Cao, W., **Weobong, C. A. A.**, Wang, S., Anning, D. K., Sam, F. E., and Wang, W. (2022). Spatial variability of soil organic carbon fractions and aggregate stability along an elevation gradient in the alpine meadow grasslands of the Qilian Mountains, China. *Chilean Journal of Agricultural Research*, 82(1). Pp. 52-64.
2. Abalori, T. A., Cao, W., **Weobong, C. A. A.**, Li, W., Wang, S., and Deng, X. (2022). Spatial Vegetation Patch Patterns and Their Relation to Environmental Factors in the Alpine Grasslands of the Qilian Mountains. *Sustainability*, 14(11). Pp. 6738.

Research Interests

- Climate change and its impacts on wildlife resources and their management
- Indigenous wildlife management
- Natural resource conflict management

Lawer, E. A.

1. **Lawer E.A.**, Mupepele A. C., Darkoh E. L., Farwig N., Oware S., Larbi J. A., Essiaw-Quayson G., Klein A. M. (2022). Logging effects on parasitic infections in a swamp rat (*Malacomys edwardsi*) in West Africa. *Journal of Mammalogy*, (103). Pp. 383-393.

Research Interests

- Biodiversity and ecosystem function
- Community ecology
- Landscape ecology/spatial analysis

Abukari, H.

2. Obiri, B. D., **Abukari, H.**, Oduro, K.A., Quartey, R., Dawoe, L., Twintoh, J. J. and Opuni-Frimpong, E. (2022). Rosewood (*Pterocarpus erinaceus*) as a de facto forest common for local communities in Ghana. *International Journal of Biodiversity and Conservation*, 14(1). Pp. 1-13.

Research Interests

- Conservation ecology
- Human dimensions in wildlife management
- Natural resources assessment and management

Dzitse, S.

1. Dery, G., Imoro, A. Z. and **Dzitse, S.** (2022). A Survey on Trade in Wildlife Parts in the Northern Region of Ghana. *Global Ecology and Conservation*, (38). Pp. 1-8.

Research Interests

- Wildlife telemetry (GPS/Radio telemetry)
- Ranging ecology
- Hornbill research/Ornithology

Dery, G.

2. **Dery, G.**, Imoro, A. Z. and Dzitse, S. (2022). A Survey on Trade in Wildlife Parts in the Northern Region of Ghana. *Global Ecology and Conservation*, (38). Pp. 1-8.

Research Interests Areas

- Wildlife Feeding Ecology
- Climate Change Impacts on Wildlife Species
- Wildlife Nutrition

Department of Natural Resources and Geo-Information Sciences**Staff**

Name	Qualification	Rank/Position
Baatuwwe, N. B	BSc. (UDS, Tamale Gh), MSc. (KNUST/TTC, Kumasi, Gh/ Enschede, The Netherlands), PhD (KNUST, Kumasi, Gh)	Snr Lecturer/ Vice Dean
Tuu, G. N.	BSc. (UDS, Tamale, Gh), MSc. (Univ. of Glamorgan, Pontypridd, Wales - UK)	Lecturer
Asubonteng, K. O.	BSc. (KNUST, Kumasi, Gh.) MSc (KNUST/ITC Kumasi, Gh/ Enschede The Netherlands), PhD (UvA, Amsterdam, The Netherlands)	Lecturer/ Departmental Coordinator

Publications

Baatuuwie, N. B

1. Kpiebaya, P., Amuah, Y. E. E., Shaibu, A-G., **Baatuuwie, N. B.**, Avornyo, V. K. and Dekongmen, W. B. (2022). Spatial assessment of groundwater potential using Quantum GIS and multi-criteria decision analysis (QGIS-AHP) in the Sawla-Tuna-Kalba district of Ghana. *Journal of Hydrology: Regional Studies*. <https://doi.org/10.1016/j.ejrh.2022.101197>
2. Zakaria, S. Y., Shaibu, A. and **Baatuuwie, N. B.** (2022). Assessment of Physical Suitability of Soils for Vegetable Production in the Libga Irrigation Scheme, Northern Region, Ghana Using the Analytic Hierarchy Process and Weighted Overlay Analysis. *Turkish Journal of Agriculture - Food Science and Technology*, 10(8). Pp. 1395-1403. <https://doi.org/10.24925/turjaf.v10i8.1395-1403.5004>.
3. Baddianaah, I., **Baatuuwie, N. B** and Adongo, R. (2022). Local perspectives on the adverse environmental effects and reclamation of illegally mined degraded landscapes in North-western Ghana. *Mineral Economics*. <https://doi.org/10.1007/s13563-022-00336-0>
4. Amponsah, A., Nasare, L.I., Tom-Dery, D., **Baatuuwie, B.N.** (2022). Land cover changes of Atewa Forest Reserve, a biodiversity hotspot in Ghana. *Trees, Forests and People* (9). <https://doi.org/10.1016/j.tfp.2022.100301>.
5. Baddianaah, I., **Baatuuwie, N. B** and Adongo, R. (2022). Geospatial Characterisation and Distribution of Illegal Gold Mining (Galamsey) Operations in Upper West Region, Ghana. *GeoJournal*, <https://doi.org/10.1007/s10708-022-10642-3>.
6. Baddianaah, I., **Baatuuwie, N. B** and Adongo, R. (2022). The Outbreak of Artisanal and Small-Scale Gold Mining (Galamsey) Operations in Ghana: Institutions, Politics, Winners and Losers. *Journal of Degraded and Mining Lands Management*. 9 (3): 3487-3498.
7. Baaweh, L., Baddianaah, I and **Baatuuwie, N. B.** (2022). Traditional knowledge and practices in natural resource conservation: A study of the Zukpiri Community Resource Management Area, Ghana. *International Journal of Rural Management*: Pp. 1-12
8. Baddianaah, I., **Baatuuwie, N. B** and Adongo, R. (2022). Socio-demographic factors affecting artisanal and small-scale mining (galamsey) operations in Ghana. *Heliyon*, (8). Pp. 1-12.
9. Baddianaaha, I., Tuu, N. G. and **Baatuuwie, N. B.** (2021). Livelihood implications of artisanal gold mining in farming communities: insight from the Wa East District, Ghana. *Ghana Journal of Geography*, 13(3). Pp. 85-120

Research Interest

- Mapping and monitoring of natural resources using GIS and Remote Sensing
- Forest and land degradation and restoration
- Climate change and land use management

Tuu, G.N

1. Aabeyir R., and **Tuu N. G.** (2022). Teaching, learning and applying geographic information systems: what you need to know (Book Chapter) in Environment and Resource Management in Ghana, Woeli Publishers. pp 179 – 210
2. Baddianaah I., **Tuu N. G.** and Baatuuwie B. N. (2021). Livelihood implications of artisanal gold mining in farming communities: insights from the Wa East District, Ghana. *Ghana Journal of Geography*, 13(3), 85-120. <https://dx.doi.org/10.4314/gig.v13i3.5>
3. Peprah, K.; Osumanu, I. K., Aabeyir, R., **Tuu, N. G.**, Akurugu C., and Dramani, H. (2022) Data Collection for Development of District Infrastructure Database and Participatory GIS Maps. A Report Submitted to EU – REACH/GIZ for the Project; Competitive African Cashew Value Chains for Pro-Poor Growth (GIZ 81273197 [15.2165.7-510.00]).

Research Interest

- Geo-Information/Spatial Science for Resource Management and Assessment,
- Spatial Modelling and Systems Thinking
- Social Ecological Systems
- Ecosystems and Ecosystem Service Mapping – nature based solutions to degradation

Asubonteng K. O.

1. Gupta, J. Bavinck, M., Ros-Tonen, M., **Asubonteng K.**, Bosch, H., van Ewijk, E., Hordijk, M., Van Leynseele, Y., Cardozo, M. .L., Miedema, E., Pouw, N., Rammelt, C., Scholtens, J., Vegelin, C. and Verrest, H. (2021). COVID-19, poverty and inclusive development, *World Development* (145) Pp.105527
2. Aggrey, J. J., Ros-Tonen, M. A. F. and **Asubonteng, K.O.**, (2021). Using Participatory Spatial Tools to Unravel Community Perceptions of Land-Use Dynamics in a Mine-Expanding Landscape in Ghana. *Environmental Management*, (68). Pp. 720–737.
3. Loh, S.K.; **Asubonteng, K.O.** and Adanu, S. K. (2022). Effects of Monocropping on Land Cover Transitions in the Wet Evergreen Agro-Ecological Zone of Ghana. *Land*, (11). Pp. 1063. <https://doi.org/10.3390/land11071063>
4. Asante-Yeboah, E.; Ashiagbor, G.; **Asubonteng, K.**; Sieber, S.; Mensah, J. C. and Fürst, C. (2022). Analyzing Variations in Size and Intensities in Land Use Dynamics for Sustainable Land Use Management: A Case of the Coastal Landscapes of South-Western Ghana. *Land*, (11). Pp. 815. <https://doi.org/10.3390/land11060815>

Research Interest

1. Forest resources management
2. Climate change and land-use/cover change
3. Landscape ecology and governance

4. GIS and Remote Sensing for natural resources management
5. Ecosystem services use and monitoring

Department of Environment and Sustainability Sciences

Staff

Name	Qualification	Rank/Position
Doke, D. A.	BA. (UDS, Tamale, Gh), MPhil. (Ghana), PhD (UAB, Al, USA)	Snr. Lecturer/HoD
Cobbina, S. J.	BSc. (UCC, Cape Coast, Gh), MPhil (Ghana), PhD (JU, Jiangsu, China)	Assoc. Professor
Owusu-Sekyere, E.	BEd, (UCC, Cape Coast, Gh) M.Phil., PhD (Ghana)	Assoc. Professor
Nkoom, M	B.Sc. (UDS, Tamale, Gh), M.Sc., (Wageningen, Netherlands) Ph.D (Hohai, China)	Lecturer
Amoako, E. E.	B.Sc. (UDS, Tamale Gh), MSc. (KNUST, Kumasi, Gh)	Lecturer
Asare, W.	B.Sc. (UDS, Tamale Gh), M.Sc. (KNUST, Kumasi, Gh)	Lecturer
Nasare* L. I.	B.Sc., MPhil (UDS, Tamale, Gh)	Lecturer
Aapengyeb E. B.	B.Sc., (UCC, Cape Coast, Gh) M.Sc. (UNESCO-IHE, Delft, Netherlands)	Lecturer

*Part time study leave

Publications

Doke, D. A.

Research Interest

- Environmental Management
- Risk Assessment for Environmental Health
- Community Engagement

Cobbina, S. J.

1. Akyeampong, E., Bend, J. R., Luginaah, I., Oscar Yawson, D., **Cobbina, S. J.**, Ato Armah, F., and Quansah, R. (2022). Urinary Pesticide Residual Levels and Acute Respiratory Infections in Children Under 5 Years of Age: Findings from the Offinso North Farm Health Study. *Environmental Health Insights*. doi.org/10.1177/11786302221094418
2. Nti, E. K., **Cobbina, S. J.**, Attafuah, E. E., Opoku, E., and Gyan, M. A. (2022). Environmental Sustainability Technologies in Biodiversity, Energy, Transportation and Water Management using Artificial Intelligence: A Systematic Review. *Sustainable Futures*. <https://doi.org/10.1016/j.sftr.2022.100068>
3. Pienaah, C. K. A., **Cobbina, S. J.**, Nkoom, M., Dangana, M., Doodaa, E., Angkyelaa J. and Antwi, G. (2022). Protecting species diversity and ecological structure in relation to sustainable development goals (SDGs) 14 and 15. A scoping review. *J. Bio. & Env. Sci.* 20 (2). Pp. 85-94.

Research Interest

- Water Quality Monitoring and Assessment
- Human Health Risk Assessment
- Emerging Toxicants and Pollution Control

Owusu Sekyere, E.

1. **Owusu-Sekyere, E.** and Amoah, S. T. (2021). Urban Design, Space Economy and Survival in the City: Exploring Women's World of Work in Kumasi, Ghana, In (eds) *Sustainability in Urban Planning and Design*. IntechOpen.
2. Mabe, F. N., **Owusu-Sekyere, E.**, and Oluyemi Adeosun, T. (2021). Livelihood coping strategies among displaced small scale miners in Ghana. *Resources Policy* (74). Pp. 102291
3. Toku, A., Osumanu, I., K., **Owusu-Sekyere, E.**, and Amoah, S., T., (2021). Conflicting urban land uses at the fringes: issues and experiences of peri-urban farmers in an urbanizing city in Ghana. *SN Soc Sci* doi.org/10.1007/s43545-021-00136-3
4. **Owusu-Sekyere, E.**, Rolanda, M., Toku, A. (2022). Mapping the Realities of Waste Crime in Urban Ghana. *Ghana Social Science Journal*, 17(2) 104-128
5. Koyiga, L. and **Owusu-Sekyere, E.** (2022). Disaster Governance in Ghana: Legislations, Policies and Missing Links. In: Jude (eds) *Disaster Management in Sub-Saharan Africa: Policies, Institutions and Processes*, 193–214. Published by Emerald Publishing under an exclusive licence doi:10.1108/978-1-80262-817-320221008

Research Interest

- Urban Environment and Governance
- Regional Planning
- Disaster Management

Nkoom, M

1. **Nkoom, M.**, and Lu, G., and Liu, J., (2022). Chronic toxicity of diclofenac, carbamazepine and their mixture to *Daphnia magna*: a comparative two-generational study. *Environ. Sci. Pollut. Res.* <https://doi.org/10.1007/s11356-022-19463-w>.
2. Pienaaah, C.K.A., Cobbina, S.J., **Nkoom, M.**, Dangana, M., Doodaa, E., Joseph, A., and Antwi, G., (2022). Protecting species diversity and ecological structure in relation to sustainable development goals (SDGs) 14 and 15. A scoping review. *J. Biodivers. Environ. Sci.* (20). Pp. 85–94.

Research Interest

- Occurrence and ecological risk assessment of pharmaceuticals and Personal care Products (PPCPs)
- In vivo and in vitro toxicity of emerging contaminants to aquatic organisms
- Phytochemistry of medicinal plants

Amoako, E. E

1. **Amoako E.E.** and Gambiza, J. (2022). Fire use practices, knowledge and perceptions in a West African savanna parkland. *PLoS ONE* 17(5):e0240271. <https://doi.org/10.1371/journal.pone.0240271>

Research Interest

- Ecosystems Ecology and Management,
- Climate Adaptation and Mitigation,
- Environmental Policy.

Asare, W.

1. **Asare, W.**, Amedumey, P. and Gameli, B.H. R. (2022). Solid Waste Management in Hospitals: A Comparative Assessment in Some Selected Hospitals in Obuasi Municipality of Ghana. *Cleaner Waste Systems*. <https://doi.org/10.1016/j.clwas.2022.100025>.
2. **Asare W.**, Oduro-Kwarteng S., Donkor A. E., and Rockson, A. D. M. (2022). Cost-effectiveness of Incentive Schemes for Waste Material Resource Recovery. *Cleaner Waste Systems*. Pp. 1-24. <https://doi.org/10.1016/j.clwas.2022.100019>.
3. **Asare W.**, Telunaya, R., and Gameli, B. H. R. (2022). Plastic Waste Generation and Source Separation by Tertiary Students: A Case Study on a University Campus in Ghana. *Journal of Waste Management and Disposal* 5(102). Pp 1-13.
4. **Asare W.**, Oduro-Kwarteng S., Donkor A. E., and Rockson, A.D.M, (2021). Incentives for improving municipal solid waste source separation behaviour: the case of Tamale Metropolis, Ghana. *SN Social Science* 1(132). Pp. 1-33.

Research Interest

- Solid Waste Management and Environmental Sanitation
- Environmental Quality Assessment
- Environmental Impact Assessment and Control

Nasare, L. I.

1. Amponsah, A., **Nasare, L.I.**, Tom-Dery, D. and Baatuuwie, N. B. (2022). Land cover changes of Atewa Range Forest Reserve, a biodiversity hotspot in Ghana. *Trees, Forests and People*. (9) 100301.
2. Yeboah, S. O., **Nasare, L.I.** and Abunyewa, A.A. (2022). Effect of Landuse on floristic composition and diversity of medicinal plants in the Guinea savanna zone of Ghana. *Heliyon*. (8): e10203.

Research Interest

- Pollination Ecology
- Sand Mining and natural regeneration
- Regenerative land Use Systems

Aapengyeb E. B.**Research Interest**

- Water, Sanitation and Hygiene
- Natural Resources Policy, Law and administration
- Monitoring, Evaluation and Learning

Department of Forestry and Forest Resources Management**Staff**

Name	Qualification	Rank/Position
<i>Husseini, R</i>	<i>BSc. (UDS, Tamale, Gh), MSc. (KNUST, Kumasi, Gh), PhD. (UCC, Cape Coast, Gh)</i>	<i>Snr. Lecturer/ HoD</i>
<i>***Ochire-Boadu, K.</i>	<i>BSc. Dip. Edu. (UCC, Cape Coast, Gh), MSc. PhD. (KNUST, Kumasi, Gh)</i>	<i>Snr. Lecturer</i>
<i>Asante, W. J.</i>	<i>BSc. Dip. Edu. (UCC, Cape Coast, Gh), MSc. (KNUST, Kumasi, Gh)</i>	<i>Snr. Lecturer/</i>
<i>Issifu, H.</i>	<i>BSc. (UDS, Tamale, Gh), MSc., PhD (Wageningen Univ., Wageningen, The Netherlands)</i>	<i>Lecturer/Faculty Exams Officer</i>
<i>**Abukari, A.</i>	<i>BSc. (UDS, Tamale, Gh), MSc. (KNUST, Kumasi, Gh)</i>	<i>Lecturer</i>
<i>Abengmeneng, C. S.</i>	<i>BSc., MSc., PhD (KNUST, Kumasi, Gh)</i>	<i>Lecturer</i>
<i>Cobbinah, P.</i>	<i>BSc. (KNUST, Kumasi, Gh), Dip Ed (UEW, Winneba, Gh), MPhil (KNUST, Kumasi, Gh)</i>	<i>Asst. Lecturer</i>

***Part time study leave*

**** Post Retirement Contract*

Publications**Husseini, R****Research Interests**

- Social forestry
- Collaborative management of forest and natural resources (emphasis on forest reserves and sacred sites)
- Wood protection

Ochire-Boadu, K.

1. Abukari, A., Christian, D., and **Ochire-Boadu, K.** (2021). Bulk density and porosity of soils influenced by skidding operations in the Nkrankwanta Off-Forest Reserve of Ghana. *Advances in Forestry Science*, 8(2), Pp.1409-1415.

Research Interests

- Fallow studies
- Leave nutrient yield studies
- Decomposition and mineralization studies

Asante, W. J

Research Interests

- Land use management
- Agroforestry
- Natural resource extension and education
- Farming systems research

Issifu, H.

Research Interests

- Vegetation change across forest-savanna boundaries
- Functional traits and responses of forest and savanna tree species to global change factors
- Tree-grass interactions
- Forest/savanna conservation

Abengmeneng, S. C.

1. Cobbinah, P., and **Abengmeneng, C. S.** (2021). Forest nursery operations and knowledge of plant parasitic nematodes in four forest districts of the Ashanti Region of Ghana. *International Journal of Plant & Soil Science*, 33(24). Pp. 581-588.

Research Interests

- Silviculture
- Forest genetics and molecular biotechnology
- Natural resistance to pest, diseases and adverse environments

Abukari, A.

1. Imoro, Z.A., Emmanuel, D., and **Abukari, A.** (2022). Mineral composition of some important indigenous savanna forage shrub species in Ghana. *Turkish Journal of Agriculture-Food Science and Technology*, 10(6). Pp.1034-1038.
2. **Abukari A.**, and Abukari R. (2022). Forest dweller's perceptions and adaptive strategies of climate change mitigation in the Kenikeni forest reserve of northern Ghana. *Agriculture and Forestry Journal*, 6 (1). Pp.1-6.
3. **Abukari, A.** (2022). Micronutrient content, soil carbon and nitrogen stocks in forested and deforested sites. *Contemporary Agriculture*, 71(1-2). Pp. 97-102.
4. Imoro, Z.A., Hlordze, R.G.B., Duwiejuah, A.B., **Abukari, A.**, Alidu, M.S., Nana Aboagye Acheampong, N. A., and Imoro, A. Z. (2022). Indigenous technologies: knowledge and practices for sustainable development. In Chatterjee, D., Kashyap, A., Mark Everard, M., Gopal Krishna Panda, K.G., and Mahata, D. (Eds.), *Indigenous people and nature: insights for social, ecological, and technological sustainability*, Pp. 593-612.

5. Zibbila, M.Z., **Abukari, A.**, and Imoro, Z.A. (2021). Effect of biochar types on early development of *Moringa oleifera* (L.) Seedlings and water holding capacity of savanna soils of Ghana. *Agriculture and Forestry Journal*, 5(2). Pp. 96-101.
6. **Abukari, A.**, Christian, D., and Ochire-Boadu, K. (2021). Bulk density and porosity of soils influenced by skidding operations in the Nkrankwanta Off-Forest Reserve of Ghana. *Advances in Forestry Science*, 8(2). Pp.1409-1415.
7. Imoro, Z.A., Kingsley, O.S., and **Abukari, A.** (2021). Effects of different cutting heights on coppice response of forage shrubs in Ghana. *Turkish Journal of Forestry*, 22(3). Pp. 186-191.

Research Interests

- Nutrient/nitrogen dynamics
- Soil fertility improvement
- Climate change adaptation strategies by small-scale farmers
- Degraded land reclamation

Cobbinah, P.

1. **Cobbinah, P.**, and Abengmeneng, C.S. (2021). Forest nursery operations and knowledge of plant parasitic nematodes in four forest districts of the Ashanti Region of Ghana. *International Journal of Plant & Soil Science*, 33(24). Pp. 581-588.

Research Interests

- Plant disease diagnosis
- Seed pathology
- Plant disease management

Department of Ecotourism and Hospitality Management

Staff

Name	Qualification	Rank/Position
Kuuder, C. J. W.	BSc., MPhil, PhD (UCC, Cape Coast, Gh)	Snr Lecturer/HoD
Adongo, R.	BSc. (UCC, Cape Coast, Gh), MA, PhD (Hong Kong Polytechnic Univ., Hong Kong)	Snr. Lecturer/ Graduate Coordinator
Quansah, P. E.,	BSc., MPhil (UCC, Cape Coast, Gh)	Lecturer
Poku, G.	BA (KNUST, Kumasi, Gh), MPhil (UCC, Cape Coast, Gh)	Lecturer
Agama-Agbonu, H. K.	BA, MPhil (UCC, Cape Coast, Gh)	Asst. Lecturer

Publications

Kuuder, C.J.W

1. Wunpini, I. R, Bansah, A. B. and Kuuder, **J.C.W.** (2022). Hotel managers' perspectives of Airbnb operations in Accra Metropolis, Ghana, *Research in Hospitality Management*, 12(1). Pp. 35-43, DOI: 10.1080/22243534.2022.2080944.

2. **Kuuder, C.J.W.** (2021). Tourism as a pathway to rural livelihood diversification: A study of Mognori Ecovillage in the Savanna Region of Ghana. *Ghana Journal of Development Studies*, 18(1). Pp. 49-71.
3. Yirbekyaa, E. K., **Kuuder, C.J. W.**, and Mohammed, I. (2021). Undergraduate Students' Perceptions of Tourism and Hospitality Career Education in Ghana. *Advances in Social Sciences Research Journal*, 8(10). Pp. 175-188.

Research Interests

- Rural tourism and livelihood enhancement
- Pro-poor tourism development
- Tourism and the environment
- Service quality management in tourism and hospitality
- Ecotourism and women empowerment

Adongo, R.

1. Baddianaah, I., Baatuwie, B.N. and **Adongo, R.** (2022). Socio-demographic factors affecting artisanal and small-scale mining (galamsey) operations in Ghana. *Heliyon* 8(3). Pp. 1-12, e09039. DOI: 10.1016/j.heliyon. 2022.e09039
2. Baddianaah, I., Baatuwie, B. N., and **Adongo, R.** (2022). Local perspectives on the adverse environmental effects and reclamation of illegally mined degraded landscapes in North-western Ghana. *Mineral Economics*, 1(17). <https://doi.org/10.1007/s13563-022-00336-0>
3. Baddianaah, I., Baatuwie, B. N., & **Adongo, R.** (2022). Geospatial characterisation and distribution of Illegal gold mining (galamsey) operations in Upper West Region, Ghana. *GeoJournal*, 1(22). <https://doi.org/10.1007/s10708-022-10642-3>
4. Baddianaah, I., Baatuwie, B. N., and **Adongo, R.** (2022). The outbreak of artisanal and small-small gold mining (galamsey) operations in Ghana: Institutions, politics, winners and losers. *Journal of Degraded and Mining Lands Management*, 9(3). Pp. 3487-3498. doi:10.15243/jdmlm.2022.093.3487 www.jdmlm.ub.ac.id

Research Interest

1. Festival events
2. MICE Tourism
3. Hospitality Service Management
4. Water quality improvement and recreation
5. Eco/tour guiding techniques

Poku, G

Research Interest

1. Safety and security in tourism and hospitality
2. Eco/agrotourism development

3. Attractions/destination management
4. Consumer behaviour in travel and tourism

Quansah, P. E

Research Interest

- Hospitality operations
- Service quality management in hospitality
- Hospitality accounting and cost control
- Property Management Systems (PMS) applications

Agama-Agbonu, H.K.

1. Takase, M., Kipkoech, R. Essandoh, P. K. Afrifa, E. A, Frimpong, J. A and **Agama-Agbanu. H. K.** (2021). Status of biodiesel research and development in Kenya. *International Journal of Green Energy*. <https://doi.org/10.1080/15435075.2021.1947823>

Research Interest

- Human Resource Management in tourism and hospitality
- Travel motivations and behaviour
- Ecotourism development
- Domestic tourism development
- Service quality management

FACULTY OF BIOSCIENCES

The **Faculty of Biosciences (FoB)** was established in October 2020 following the approval of the report of the Committee for restructuring of Faculties and Schools by the Governing Council of the University for Development Studies. It comprises six departments and a centre.

The Department of Fisheries and Aquatic Resources Management of the Faculty of Natural Resources and Environment, and the Department of Biotechnology of the then Faculty of Agriculture were carved out to establish this new Faculty. In addition, four new departments and a centre were created. The departments are Biological Sciences, Biochemistry and Molecular Biology, Microbiology, and Forensic Sciences. The Centre is the West African Centre for Inland Fisheries & Aquaculture (WACIFA).

The Faculty **envisions** to be a Centre of Excellence in the creation and dissemination of knowledge related to biological sciences for societal needs.

The **mission** of the Faculty is to expand knowledge through the provision of tertiary education in the areas of aquaculture, fisheries, biochemistry, molecular biology, microbiology, biotechnology, zoology, plant sciences, and forensic sciences to bring out graduates who are worthy in character and apt in scientific processes for national development.

List of Departments/ Centre

- Department of Biochemistry & Molecular Biology
- Department of Biological Sciences
- Department of Biotechnology
- Department of Fisheries & Aquatic Resources Management
- Department of Forensic Sciences
- Department of Microbiology
- West African Centre for Inland Fisheries & Aquaculture (WACIFA)

Student Population

The Faculty had a student population of Six Hundred and Thirteen (613) during the 2021/2022 academic year for four departments (Biochemistry and Molecular Biology; Biotechnology; Fisheries and Aquatic Resources Management; and Microbiology) that have ongoing programmes at various academic levels. The detailed student population is shown in the table below.

Faculty of Biosciences 2021/ 2022 Student Population by Gender

Programme	Male	Female	Total
Postgraduate			
Ph.D. Biotechnology (Level 700)	3	0	3
M.Phil. Biotechnology (Level 600)	18	1	19
M.Phil. Biotechnology (Level 500)	9	1	10
M.Phil. Fisheries Science (Level 700)	1	0	1
M.Phil. Fisheries Science (Level 600)	2	1	3
M.Phil. Fisheries Science (Level 500)	3	0	3
Sub-total	36	3	39
Undergraduate			
BSc. Biotechnology and Molecular Biology (BMB) Level 400	60	30	90
BSc. Biotechnology and Molecular Biology (BMB) Level 300	83	46	129
BSc. Biotechnology and Molecular Biology (BMB) Level 200	52	44	96
BSc. Biotechnology and Molecular Biology (BMB 2021) Level 100	37	29	66
Dip. Biotechnology (DBT) Level 200	43	16	59
Dip. Biotechnology (DBT) Level 100	36	18	54
BSc. Fisheries and Aquatic Resources Management (Level 400)	6	3	9
BSc. Fisheries and Aquatic Resources Management (FAT) Level 300	0	3	3
BSc. Aquaculture Technology and Fisheries Science (FAT) Level 300	0	3	3
BSc. Aquaculture Technology and Fisheries Science (FAT) Level 200	6	6	12
Dip. Aquaculture Technology and Fisheries Science (FAT) Level 200	2	4	6
BSc. Aquaculture Technology and Fisheries Science (AFS) Level 100	2	1	3
Dip. Aquaculture Technology and Fisheries Science (DFS) Level 100	1	2	3
BSc. Biochemistry (BCH) Level 100	14	9	23
BSc. Microbiology (MIB) Level 100	10	8	18
Sub-total	352	222	574
Grand Total	388	225	613

Office of the Dean**Staff**

Name	Qualification	Rank/ Position
<i>Alhassan, E. H.</i>	<i>B.Sc. (UDS, Tamale, Gh), M.Phil., Ph.D. (Ghana)</i>	<i>Associate Professor/ Dean</i>
<i>Opoku, N.</i>	<i>B.Sc. (Ghana), M.Sc. (Wageningen, Netherlands), Ph.D. (Newport, UK)</i>	<i>Snr. Lecturer/ Vice-Dean</i>
<i>Lotsu, S. A.</i>	<i>B.A, MA, M.Phil., (Ghana)</i>	<i>Asst. Registrar/ Faculty Officer</i>

The Faculty has eleven (11) administrative staff and one (1) accounts staff all of the Senior Staff category supporting administrative work. There are also three (3) Senior Research Assistants supporting research work and three (3) Technician supporting laboratory work.

Department of Biochemistry & Molecular Biology

Staff

Name	Qualification	Rank/ Position
Tom-Dery, D.	B.Sc. (Ghana), M.Sc., Ph.D. (Hamburg, Germany)	Snr. Lecturer/ HoD
Abdul-Mumeen, I.	B.Sc. (UDS, Tamale, Gh), M.Phil. (KNUST, Kumasi, Gh)	Lecturer
Dongsogo, J.	B.Sc., M.Phil. (KNUST, Kumasi, Gh)	Assistant Lecturer
Seidu, Z.	B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana)	Assistant Lecturer
Genfi, A. K. A.	B.Sc. (UDS, Tamale, Gh), M.Phil. (KNUST, Kumasi, Gh)	Assistant Lecturer
Okoampah, E.	B.Sc. (UDS, Tamale, Gh), M.Sc. (JUST, Zhenjiang, P. R. China)	Assistant Lecturer

Programme Offered

Bachelor of Science in Biochemistry (BSc. Biochemistry)

Publications

Tom-Dery, D.

1. Amponsah, A., Nasare, L. I., **Tom-Dery, D.**, and Baatuuw, B. N. (2022). Land cover changes of Atewa Forest Reserve, a biodiversity hotspot in Ghana. *Trees, Forests and People* 9. <https://doi.org/10.1016/j.tfp.2022.100301>
2. **Seidu, Z.**, Lopez-Perez, M., and Seidu, Z. (2022). Establishing and Maintaining In Vitro Cultures of Asexual Blood Stages of *Plasmodium falciparum*. In: Jensen, A.T.R., Hviid, L. (eds) *Malaria Immunology. Methods in Molecular Biology*, vol 2470. Humana, New York, pp. 37-49.
3. Lopez-Perez M., Viwami, F., **Seidu, Z.**, Jensen, A. T. R., Doritchamou J., N., Tuikue, N., and Hviid, L. (2021). PfEMP1-specific IgG reactivity among Beninese pregnant women with sickle cell trait, *Open Forum Infectious Diseases*, 2021; ofab527, <https://doi.org/10.1093/ofid/ofab527>

Genfi, A. K. A.

1. Rosemond, O. S., Christopher, L., Herman, L. E., **Genfi A. K. A.**, Dumfeh, E. and Danso, P., (2022). Extract of Fermented and Non-Fermented Seeds of *Parkia Biglobosa* Attenuates Hyperglycaemia and Related Nephropathy in Type 2 Diabetes Mellitus Animals. *Food Sci Nutr Res.* 5(1): 1-10.

Okoampah, E.

1. Kordorwu, V., Tegladza, I. D., and **Okoampah, E.** (2022) "A Simple Two-Dimensional Convective-Diffusive Based Modelling Study of a Biosensor for Glucose Detection", *Journal of Chemistry Studies*, Vol. 1, No. 2, pp. 1-8.
2. Davids, J. S., Ackah, M., **Okoampah, E.**, Fometu, S. S., Wu G., and Zhang, J. (2021). "Biocontrol of Isolated Bacteria associated with Pine Wilt Nematodes using *Parkia Biglobosa* leave and Stem Extracts mediated Gold Nanoparticles", *International Journal of Agriculture and Biology*, Vol. 26, No. 4, pp. 517-526.

Department of Biological Sciences

Staff

Name	Qualification	Rank/ Position
Opore-Asamoah, K.	B.Sc., M.Phil. (KNUST, Kumasi, Gh), P.G.D.E. (UDS, Tamale, Gh), Ph.D. (KNUST, Kumasi, Gh)	Senior Lecturer/HoD
Sackey, I.	B.Sc. Dip. Ed. (UCC, Cape Coast, Gh), M.Phil. (Ghana), Ph.D. (Bradford, UK)	Associate Professor /Dean of Students Affairs
Majeed, S. F.	B.Sc., M.Phil. (KNUST, Kumasi, Gh.)	Senior lecturer/ Faculty Examination Officer
Berbeyie, I.	B.Sc. (Ghana), M.Sc., Ph.D. (Hamburg, Germany)	Lecturer
Oware, S.	B.Sc., M.Phil. (KNUST, Kumasi, Gh.)	Assistant Lecturer

Publications

Opore-Asamoah, K.

1. **Opore-Asamoah K.**, Majeed, S. F., Osei Owusu, A., Keelson, K. O., Owusu, E. A., Wondoh, P. M., Kunfah, S. M. P., Fosu, S. E., Yorke, J., Yakong, V. N., and Tabiri, S., (2022). The Prevalence and Risk Factors of Hepatitis B Virus Infection Among Dwellers in A Peri-Urban District of Ghana: A Cross-Sectional Study. *Journal of Medical and Biomedical Sciences* (2021) 8(2): 12-20, DOI: <https://doi.org/10.54106/215.jmbs7z>
2. Dongdem, J. T., Helegbe, G. K., **Opore-Asamoah K.**, Wezena, C.A., and Ocloo A. (2021). Assessment of NSAIDs as potential inhibitors of the fatty acid amide hydrolase I (FAAH-1) using three different primary fatty acid amide substrates in vitro. *BMC Pharmacology and Toxicology* (2022) 23:1. <https://doi.org/10.1186/s40360-021-00539-1>

Majeed, S. F.

1. **Opore-Asamoah K.**, Majeed, S. F., Osei Owusu, A., Keelson, K. O., Owusu, E. A., Wondoh, P. M., Kunfah, S. M. P., Fosu, S. E., Yorke, J., Yakong, V. N., and Tabiri, S., (2022). The Prevalence and Risk Factors of Hepatitis B Virus Infection Among Dwellers in A Peri-Urban District of Ghana: A Cross-Sectional Study. *Journal of Medical and Biomedical Sciences* (2021) 8(2): 12-20, DOI: <https://doi.org/10.54106/215.jmbs7z>

Oware, S.

1. Lawer E. A., Mupepele A.-C., Darkoh E. L., Farwig N., **Oware S.**, Larbi J. A., Essiaw-Quayson G., and Klein A.-M. (2021). Logging effects on parasitic infections in a swamp rat (*Malacomys edwardsi*) in West Africa. *Journal of Mammalogy*. Volume 20 (10). 11 p.

Department of Biotechnology

Staff

Name	Qualification	Rank/ Position
Kusi, A. O.	B.Sc. (UCC, Cape Coast, Gh) MSc. (Wolverhampton, UK), Ph.D. (Phitsanulok, Thailand)	Snr. Lecturer/ HoD
Quainoo, A. K.	B.Sc. (UCC, Cape Coast, Gh), M.Sc. (Helsinki, Finland), Ph.D. (Reading, UK), DMS (Stratford, USA)	Professor
Opoku, N.	B.Sc. (Ghana), M.Sc. (Wageningen, Netherlands), Ph.D. (Newport, UK)	Snr. Lecturer/ Vice-Dean
Addy, F.	B.Sc. (UDS, Tamale, Gh.) M.Sc. (JKUAT, Nairobi, Kenya), Ph.D. (Hohenheim, Stuttgart, Germany)	Lecturer/ FPGC/ FRGSUC
Yahaya, D.	B.Sc. M.Phil. (UDS, Tamale, Gh.), Ph.D. (TSU, Nashville, Tennessee, USA)	Lecturer
Ayamdoo, J. A.	B.Sc. M.Phil. (UDS, Tamale, Gh)	Lecturer
Duwiejuah, A. B.	B.Sc., M.Phil., Ph.D. (UDS, Tamale, Gh),	Lecturer
Davids, J. S.	B.Sc. (UDS, Tamale, Gh), M.Sc. (JUST, Zhenjiang, China), Ph.D. (JUST, Zhenjiang, P. R. China)	Lecturer
Payne, J.	B.Sc. M.Phil. (UDS, Tamale, Gh)	Asst. Lecturer

Programmes Offered

- Doctor of Philosophy in Biotechnology (Ph.D Biotechnology)
- Master of Philosophy in Biotechnology (M.Phil. Biotechnology)
- Bachelor of Science in Biotechnology and Molecular Biology (B.Sc. Biotechnology and Molecular Biology)
- Diploma in Biotechnology and Molecular Biology (Dip. Biotechnology and Molecular Biology)

Publications

Obeng, A. K.

Obeng, A. K., Premjet, D., and Premjet, S. (2021). Improved glucose recovery from durian peel by alkaline-catalyzed steam pretreatment, *PeerJ*, 9:e12026.
<https://doi.org/10.7717/peerj.12026>.

Quainoo, A. K.

Asante, J. K. and **Quainoo, A. K.** (2022). Reproductive growth response of sweet pepper (*Capsicum annum* L.) in soil amended with false yam (*Ipomoea batatas* [L.] Lam.) tuber biochar, *UDS International Journal of Development*, Vol. 9, No 1., pp. 774-780.

Acheremu, K., **Quainoo, A. K.** and Addai, I. K. (2022). Multi-locational studies of selected sweetpotato (*Ipomoea batatas* [L.] Lam.) genotypes for improved agronomic traits, *International Journal of Agricultural Policy and Research*, Vol. 10, No. 3, pp. 52-69.

- Quainoo A. K.** and Obeng F. K. (2022). Knowledge and understanding about genetically modified (GM) crops among smallholder farmers in Northern Ghana, *Journal of Agriculture Biotechnology and Sustainable Development*, Vol. 14, No. 1, pp. 10-23.
- Duwiejuah, A. B., Abubakari, A. H., **Quainoo, A. K.** and Amadu, Y. (2022). Chemical Characteristics of Groundnut and Sheanut Shells Biochars as Potential Adsorbent and Soil Conditioners in the Era Ecological Sustainability, *Bio-research*, Vol. 20, No. 1, pp. 1461-1471.
- Opoku, N.**
- Samari, E., **Opoku, N.** and Lawal, M. (2022). Aflatoxin determination in selected spices in the Greater Accra Region, Ghana, *Journal of Agriculture and Food Sciences*, Vol. 20, pp. 218-226.
- Magnan, N., Hoffmann, V., Gajate, G., Kanyam, D. and **Opoku, N.** (2021). Information, technology, and market rewards: Incentivizing aflatoxin control in Ghana, *Journal of Development Economics*, Vol. 151, No. 2, 102620.
- Addy, F.**
- Adzitey, F., Yussif, S., Ayamga, R., Zuberu, S., **Addy, F.**, Adu-Bonsu, G., Huda, N. and Kobun, R. (2022). Antimicrobial susceptibility and molecular characterization of *Escherichia coli* recovered from milk and related samples, *Microorganisms*, Vol. 10, No. 7, p. 1335. <https://doi.org/10.3390/microorganisms10071335>
- Kichana, E., **Addy, F.** and Dufailu, O. A. (2022). Genetic characterization and antimicrobial susceptibility of *Escherichia coli* isolated from household water sources in northern Ghana, *Journal of Water and Health*, Vol. 20, No. 5, pp. 770-780. <https://doi.org/10.2166/wh.2022.197>
- Aschenborn, J., Schneider, C., **Addy, F.**, Aschenborn, O., Kern, P., Romig, T., Deplazes, P. and Wassermann, M. (2022). Cystic echinococcosis of ruminant livestock in Namibia, *Veterinary Parasitology: Regional Studies and Reports*, Vol. 31, 100727. <https://doi.org/10.1016/j.vprsr.2022.100727>
- Addy, F.**, Adu-Bonsu, G., Dickson, A. E., Dankwa, D., Aryee, R., Dufailu, O. A., Romig, T. and Wassermann, M. (2022). Prevalence and genetic variance of *Taenia hydatigena* in Goats and Sheep from northern Ghana: preliminary data on a globally neglected livestock parasite, *Veterinary Parasitology: Regional Studies and Reports*, Vol. 30, 100711. <https://doi.org/10.1016/j.vprsr.2022.100711>
- Anane, A., Dufailu, O. A. and **Addy, F.** (2022). *Ascaridia galli* and *Heterakis gallinarum* prevalence and genetic variance of *A. galli* in rural chicken from the Northern Region, Ghana, *Veterinary Parasitology: Regional Studies and Reports*, Vol. 29, 100692. <https://doi.org/10.1016/j.vprsr.2022.100692>
- Dufailu, O. A., Yaqub, M. O., Owusu-Kwarteng, J. and **Addy, F.** (2021). Prevalence and characteristics of *Listeria* species from selected African countries, *Tropical Diseases, Travel Medicine and Vaccines*, Vol. 7, No. 1, p. 26. <https://doi.org/10.1186/s40794-021-00151-5>

Yahaya, D.

Yahaya, D., Seidu, O. A., Tiesaaah, C. H. and Iddrisu, M. B. (2022). The role of soaking, steaming, and dehulling on the nutritional quality of Bambara groundnuts (*Vigna subterranea* (L)Verdc.), *Journal of Frontiers in Sustainable Food Systems*, Vol. 6, 887311. doi: 10.3389/fsufs.2022.887311

Abdallah, S., **Yahaya, D.**, and Alhassan, M. (2022). Effects of Processing Techniques on the Nutritional Quality of Cowpea (*Vigna unguiculata* L.) Varieties, *Journal of Agriculture, Food and Environment*, Vol. 3, No. 2, pp. 34-39.

Duwiejuah, A. B.

Imoro, A. Z., Hlordze, R. G. B., **Duwiejuah, A. B.**, Abukari, A., Alidu, S. M., Acheampong, N. A. and Imoro, Z. A. (2022). Indigenous Technologies: Knowledge and Practices for Sustainable Development. In Chatterjee, U., Kashyap, A., Everard, M., Panda, G. K., Mahata, D (ed.). *Indigenous People and Nature, Insights for Social, Ecological, and Technological Sustainability*. pp. 593-612. <https://doi.org/10.1016/B978-0-323-91603-5.00013-0>.

Gameli, B. H. R., **Duwiejuah, A. B.**, Bawa, A-A. (2022). Adsorption of Toxic Metals from Greywater using Low-Cost Spent Green Tea as a Novel Adsorbent, *Scientific African*, Vol. 17, e01296.

Duwiejuah, A. B., Abubakari, A. H., Quainoo, A. K. and Amadu, Y. (2022). Chemical Characteristics of Groundnut and Sheanut Shells Biochars as Potential Adsorbent and Soil Conditioners in the Era Ecological Sustainability, *Bio-research*, Vol. 20, No. 1, pp. 1461-1471.

Nuripuah, J. G., **Duwiejuah, A. B.** and Bakobie, N. (2022). Awareness and Health Risk Protection Behaviours of Scavengers in the Gbalahi Landfill Site, Ghana, in the Era of Sustainable Development, *Discover Sustainability*, Vol. 3, No. 1, pp. 1-14.

Duwiejuah, A. B., Abubakari, A. H., Amadu, Y. and Abakari, G. (2021). Properties of Biochar and its Potential Role in Climate Change Mitigation and Bioenergy Generation: A Review, *Environmental Sustainability*, Vol. 4, pp. 637-647.

Imoro, Z. A., Imoro, A. Z., **Duwiejuah, A. B.** and Abukari, A. (2021). Harnessing Indigenous Technologies for Sustainable Management of Land, Water, and Food Resources amidst Climate Change, *Frontiers in Sustainable Food Systems*, Vol. 5, pp. 1-11.

Davids, J. S.

Herman, R. A., Ayepa, E., Fometu, S. S., Shittu, S., **Davids, J. S.**, and Wang, J. (2022). Mulberry fruit post-harvest management: Techniques, composition and influence on quality traits-A review, *Food Control*, 109126.

Davids, J. S., Ackah, M., Okoampah, E., Fometu, S. S., Guohua, W., and Jianping, Z. (2021). Biocontrol of Bacteria Associated with Pine Wilt Nematode, *Bursaphelenchus xylophilus* by using Plant mediated Gold Nanoparticles. *International Journal of Agricultural & Biology*, Vol. 26, pp. No. 4, pp. 517-526.

Fometu, S. S., Wu, G., Ma, L., and **Davids, J. S.** (2021). A review on the biological effects of nanomaterials on silkworm (*Bombyx mori*). *Beilstein Journal of Nanotechnology*, Vol. 12, No. 1, pp. 190-202.

Department of Fisheries & Aquatic Resources Management

Staff

Name	Qualification	Rank/ Position
Akongyuure, D. N.	B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana), Ph.D. (KNUST, Kumasi, Gh)	Snr. Lecturer/HoD
Alhassan, E. H.	B.Sc. (UDS, Tamale, Gh), M.Phil., Ph.D. (Ghana)	Associate Professor/ Dean
Ampofo-Yeboah, A.	B.Sc. (KNUST, Kumasi, Gh), M.Phil. (UCC, Cape Coast, Gh), Ph.D. (Stellenbosch Univ., South Africa)	Snr. Lecturer
Abarike, E. D.	B.Sc. (UDS, Tamale, Gh), M.Phil. (UCC, Cape Coast, Gh), Ph.D. (Guangdong Ocean Univ., China)	Snr. Lecturer/ Campus/ Faculty TTFPPC
Abobi, S. M.	B.Sc. (UDS, Tamale, Gh), M.Sc., Ph.D. (Univ. of Bremen, Germany)	Snr. Lecturer/Faculty QA Officer
Atindana, S. A.	B.Sc. (UDS, Tamale, Gh), M.Phil. (UCC, Cape Coast, Gh), Ph.D. (Ghana)	Lecturer
Iddrisu, F. T.	B.Sc., M.Phil. (KNUST, Kumasi, Gh)	Asst. Lecturer
Baidoo, K.	B.Sc. (UDS, Tamale, Gh), M.Phil. (UCC, Cape Coast, Gh)	Asst. Lecturer

Programmes Offered

- Doctor of Philosophy in Fisheries Science (Ph.D. Fisheries Science)
- Master of Philosophy in Fisheries Science (M.Phil. Fisheries Science)
- Bachelor of Science in Aquaculture Technology and Fisheries Science (B.Sc. Aquaculture Technology and Fisheries Science)
- B.Sc. Renewable Natural Resources (Fisheries and Aquatic Resources Management option)
- Diploma in Aquaculture Technology and Fisheries Science (Dip. Aquaculture Technology and Fisheries Science)

Publications

Akongyuure, D. N.

Bashiru U., Iddrisu, F. T., **Akongyuure, D. N.**, Alhassan, E. H., Abarike, E. D., Abobi, S. M. and Atindana, S. (2022). Impact of Covid-19 Pandemic on Fish Sales in Aboabo Market, Tamale Metropolis. *Journal of Food Technology*, Vol. 20, No. 1, pp. 7 – 12.

Alhassan, E. H.

Atiim, J. An., **Alhassan, E. H.** and Abobi, S. M. (2022). Evaluating the contribution of wetlands to food security and livelihoods improvement in the Savelugu Municipality, Ghana. *Wetlands Ecology and Management*, Vol. 30, pp. 561–577.

Adutwum, F. N., **Alhassan, E. H.** and Abobi, S. M. (2022). Effects of water quality on rural livelihoods: a case of Tamale Metropolis. *Ghana Journal of Science, Technology and Development*, Vol. 8, No.10, pp. 18-31.

- Mensah, G. D., Ayisi, C. L. and **Alhassan, E. H.** (2022). Substitution of fish meal with shea nut meal in diets of Nile tilapia fry on growth, feed utilization, tissue histology and economic analysis. *Pakistan Journal of Zoology*.
- Tampo, L., Mande, S. A., Adekanmbi, A. O., Boguido, G., Akpataku, K. V., Ayah, M., Tchakala, I., Gnazoua, M. D. T., Bawa, L. M., Djaneye-Boundjou, G. and **Alhassan, E. H.** (2022). Treated wastewater suitability for reuse in comparison to groundwater and surface water in a peri-urban area: implications for water quality management. *Science of the Total Environment*.
- Bashiru U., Iddrisu, F. T., Akongyuure, D. N., **Alhassan, E. H.**, Abarike, E. D., Abobi, S. M. and Atindana, S. (2022). Impact of Covid-19 Pandemic on Fish Sales in Aboabo Market, Tamale Metropolis. *Journal of Food Technology*, Vol. 20, No. 1, pp. 7 – 12.
- Alhassan, E. H.**, Kettey-Tagoe, B. and Ayisi, C. L. (2021). Effects of preservation on chemical composition and sensory analysis of skipjack tuna (*Katsuwonus pelamis*) in Tema, Ghana. *Journal of Fisheries and Coastal Management*, Vol. 3, pp. 44 - 52.
- Ayisi, C. L., **Alhassan, E. H.** and Sarfo, F. (2021). Substitution of fish oil with palm kernel oil in diets of *Oreochromis niloticus* fry: effects on growth, feed utilization and economic estimates. *Indonesian Journal of Aquaculture*, Vol.16, No. 2, pp. 99 – 107.
- Ayisi, C. L., Debra, G. and **Alhassan, E. H.** (2021). Effects of feeding frequency on growth performance of the juvenile Bagrid catfish, *Chrysichthys nigrodigitatus*. *Egyptian Journal of Aquatic Biology and Fisheries*, Vol. 25, No. 6, pp. 513 – 527.
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Ampofo-Yeboah, A.

- Dandi, S. O., Abarike, E. D., and **Ampofo-Yeboah, A.** (2022). Bitter leaf (*Vernonia amygdalina*) extract enhances growth, haematology, heat stress response and resistance to *Aeromonas hydrophila* in Nile tilapia, *Oreochromis niloticus*. *North American Journal of Aquaculture*.

Abarike, E. D.

- Dandi, S. O., **Abarike, E. D.**, and Ampofo-Yeboah, A. (2022). Bitter leaf (*Vernonia amygdalina*) extract enhances growth, haematology, heat stress response and resistance to *Aeromonas hydrophila* in Nile tilapia, *Oreochromis niloticus*. *North American Journal of Aquaculture*.
- Assan, D., Kuebutornye, F. K. A., Hlordzi, V., Chen, H., Mraz, J., Mustapha, U. F., and **Abarike, E. D.** (2022). Effects of probiotics on digestive enzymes of fish (finfish and shellfish); status and prospects: A mini review. *Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology*, Vol. 257, pp. 1 – 7.

Bashiru U., Iddrisu, F. T., Akongyuure, D. N., Alhassan, E. H., **Abarike, E. D.**, Abobi, S. M. and Atindana, S. (2022). Impact of Covid-19 Pandemic on Fish Sales in Aboabo Market, Tamale Metropolis. *Journal of Food Technology*, Vol. 20, No. 1, pp. 7 – 12.

Abobi, S. M.

Bashiru U., Iddrisu, F. T., Akongyuure, D. N., Alhassan, E. H., Abarike, E. D., **Abobi, S. M.** and Atindana, S. (2022). Impact of Covid-19 Pandemic on Fish Sales in Aboabo Market, Tamale Metropolis. *Journal of Food Technology*, Vol. 20, No. 1, pp. 7 – 12.

Atiim, J. An., Alhassan, E. H. and **Abobi, S. M.** (2022). Evaluating the contribution of wetlands to food security and livelihoods improvement in the Savelugu Municipality, Ghana. *Wetlands Ecology and Management*, Vol. 30, pp. 561-577.

Adutwum, F. N., Alhassan, E. H. and **Abobi, S. M.** (2022). Effects of water quality on rural livelihoods: a case of Tamale Metropolis. *Ghana Journal of Science, Technology and Development*, Vol. 8, No.10, pp. 18-31.

Atindana, S. A.

Bashiru U., Iddrisu, F. T., Akongyuure, D. N., Alhassan, E. H., Abarike, E. D., Abobi, S. M. and **Atindana, S.** (2022). *Journal of Food Technology*, Vol. 20, No. 1, pp. 7 – 12.

Iddrisu, F. T.

Bashiru U., **Iddrisu, F. T.**, Akongyuure, D. N., Alhassan, E. H., Abarike, E. D., Abobi, S. M. and Atindana, S. (2022). Impact of Covid-19 Pandemic on Fish Sales in Aboabo Market, Tamale Metropolis. *Journal of Food Technology*, Vol. 20, No. 1, pp. 7 – 12.

Department of Forensic Sciences

Staff

Name	Qualification	Rank/ Position
Quansah, L.	B.Sc. (UDS, Tamale, Gh), M.Sc. (HUJ, Rehovot, Israel), Ph.D. (B-GUN, Sde Boker, Israel)	Snr. Lecturer/ HoD
Afoakwah, C.	B.Sc. (UCC, Cape Coast, Gh), M.Sc., (GFS, Gujarat, India)	Asst. Lecturer
Oboakoh, I.	B.Sc. (UCC, Cape Coast, Gh), M.Sc. (KNUST, Kumasi, Gh)	Asst. Lecturer
Yine, L.	B.Sc. (UCC, Cape Coast, Gh), M.Sc. (KNUST, Kumasi, Gh)	Asst. Lecturer

Publications

Quansah, L.

Sulley, Y. S., Seidu, O. A., Lawal, M., Oboakoh, I., Murtala, S., Dauda, M., and **Quansah, L.** (2022). The National Significance of a DNA Revolution: A Call for Policy Action towards Sustainable Development Goals (SDGs). *Journal of Human, Earth, and Future*, Vol. 3, No. 2, pp. 247-262.

Sulley, Y. S., and **Quansah, L.** (2021). Assessing the state of forensic support to criminal investigations in Ghana: A case study in the Greater Accra Region. *Ghana Journal of Science*, Vol. 62, No. 2, pp. 44-57.

Afoakwah, C.

Bonsu, D. O. M., **Afoakwah, C. B.**, Abedi M., Higgins D., Henry J., Austin J. J. (2022). Ethics reporting in forensic science research publication – a review. *Forensic Science International*, Vol. 335, 111290.

Oboakoh, I

Sulley, Y. S., Seidu, O. A., Lawal, M., **Oboakoh, I.**, Murtala, S., Dauda, M., & Quansah, L. (2022). The National Significance of a DNA Revolution: A Call for Policy Action towards Sustainable Development Goals (SDGs). *Journal of Human, Earth, and Future*, Vol. 3, No. 2, pp. 247-262.

Department of Microbiology**Staff**

Name	Qualification	Rank/ Position
Wezena, C. A.	B.Sc., (KNUST, Kumasi, Gh), M.Sc., PG Dip., (LSHTM, London, UK), Ph.D. (Heidelberg, Germany)	Lecturer/ Acting HoD
Saba, C. K. S.	B.Sc., (UDS, Tamale, Gh), M.Sc., Ph.D. (Complutense, Madrid, Spain)	Associate Professor/ Director, DIRA
**Dufailu, O. A.	B.Sc., (UDS, Tamale, Gh), Ph.D. (Nottingham, UK)	Lecturer
Maaldu, P.	B.Sc. (UDS, Tamale, Gh), M.Sc. (ICAR-IARI, New Delhi, India)	Lecturer
Apiung, T.	B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana)	Asst. Lecturer
Acheampong, N. A.	B.Sc., M.Phil. (KNUST, Kumasi, Gh)	Asst. Lecturer
Fordjour, F. A.	B.Sc., M.Phil. (KNUST, Kumasi, Gh)	Asst. Lecturer

** Staff on Leave of Absence

Programmes Offered

- Bachelor of Science in Microbiology (BSc. Microbiology)

Publications**Wezena, C. A.**

Abugri, J., Ayariga, J., Sunwale, S. S., **Wezena, A. C.**, Agyemang, G. J., Adu-Frimpong, M., Agongo, G., Dongdem, T. J., Abugri, D. and Dinko, B. (2022). Targeting the *Plasmodium falciparum* Proteome and Organelles for Potential Antimalarial Drug Candidates. *Heliyon Biochemistry, Molecular and Cell Biology*, Online, E10390.

Dongdem, J. T., Helegbe, K. G., Opere-Asamoah, K., **Wezena, A. C.**, and Ocloo, A. (2022). Assessment of NSAIDS as Potential Inhibitors of the Fatty Acid Amide Hydrolase I (FAAH-1) using Three Different Primary Fatty Acid Amide Substrates In Vitro. *BMC Pharmacology and Toxicology*, 23 (1): 1.

Mensah, C. E., Mbiyieba, J., and **Wezena, A. C.** (2022). Perception of HIV/AIDS among Tertiary Education Students in the Tamale Metropolis and Their Willingness to Take the HIV Test. *Journal of Advances in Medicine and Medical Research*, 34 (7): 7-16.

- Mishio, B. E., Mensah-Onumah, D., Dongdem, T. J. and **Wezena, A. C.** (2021). Prevalence, Awareness and Risk Factors of Hypertension among Public Sector Workers Aged 40 Years and above in the Tamale Metropolis of Ghana. *Journal of Advances in Medicine and Medical Research*, 33 (17): 202-213.
- Dongdem, T. J. and **Wezena, A. C.** (2021). Functional Significance of the E3 Ubiquitin Ligases in Disease and Therapeutics. In: Haider, S., Haider, A. P. A., Catala, A., editors. *Hydrolases*. London: IntechOpen; 2021.
- Saba, C. K. S.**
- Saba, C. K. S.**, Naa-Inour, F. and Kpordze, W. S. (2022). Antibiotic Resistance Pattern of Methicillin Resistant *Staphylococcus aureus* and *Escherichia coli* from Mobile Phones of Healthcare Workers in Public Hospitals in Ghana. *Pan Afr Med* 41: 259.
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- Karikari, A. B., Kpordze, S. W., Yamik, D. Y. and **Saba, C. K. S.** (2022). Ready-to-Eat Food as Sources of Extended-Spectrum B-Lactamase-Producing *Salmonella* and *E. coli* in Tamale, Ghana. *Front. Trop. Dis.* 3:834048.
- Delgado-Blas, J. F., Valenzuela, A. C., Rodriguez, E. M., Serna, C., Montero, N., **Saba C. K. S.** and Gonzalez-Zorn, B. (2022). Dissemination Routes of Carbapenem and Pan-Aminoglycoside Resistance Mechanisms in Hospital and Urban Wastewater Canalizations of Ghana. *mSystems*. 2022 Feb 22;7(1):e0101921.
- Kranjac-Berisavljevic, G. and **Saba, C. K. S.** (2021). Wastewater Use in West African Urban Agriculture: Benefits and Risks. In: Leal Filho W., Azul A.M., Brandli L., Lange Salvia A., Wall T. (eds) Clean Water and Sanitation. *Encyclopedia of the UN Sustainable Development Goals*. Springer, Cham.
- Acheampong, N. A.**
- Gyesi, J. N., Nyaaba, B. A., Darko, G., Mills-Robertson, F. C., Miezah, K., **Acheampong, N. A.**, Frimpong, F., Gyimah, G., Quansah, B. and Borquaye, L. S. (2022). Occurrence of pharmaceutical residues and antibiotic-resistant bacteria in water and sediments from major reservoirs (owabi and barekese dams) in Ghana. *Journal of Chemistry*, 2022.1802204.
- Imoro, A. Z., Hlordze, R. G. B., Duwiejuah, B. A., Abukari, A., Alidu, S. M., **Acheampong, N. A.** and Imoro, Z. A. (2022). Indigenous technologies: knowledge and practices for sustainable development. In *Indigenous People and Nature: Insights for Social, Ecological, and Technological Sustainability*, 2022, pp. 593-612. Elsevier.

SCHOOL OF ENGINEERING

The School of Engineering (SoE) was established in September 2015 with the mandate to train students in various engineering disciplines. The School envisages to be 'A Centre of Excellence for the Development of Independent Minded Professionals with Innovative Skills in all Disciplines of Engineering by Advancing Knowledge in Science, Technology and Engineering aimed at National Development. The School has ten (10) Academic Departments and two Centres. Out of the ten departments, seven (7) were established in 2021. Approval has been granted by the Ghana Tertiary Education Commission (GTEC) for the introduction of seven (7) BSc programmes in these departments.

The School introduced both MPhil and PhD programmes in Irrigation and Drainage Engineering in the 2019/2020 academic year. These programmes are patronized by many international students mostly under WACWISA sponsorship.

Academic Departments and Centres of the School are listed below:

Academic Departments

- Department of Agricultural Engineering (DAE)
- Department of Civil Engineering (DCE)
- Department of Mechanical and Industrial Engineering (DMIE)
- Department of Geological Engineering (DGE)
- Department of Water, Waste and Environmental Engineering (DAWWE)
- Department of Electrical/Electronic Engineering (DEEE)
- Department of Mathematics (DM)
- Department of Physics (DP)
- Department of Chemistry (DC)
- Department of Computer Science (DCS)
- Department of Statistics (DS)

List of Centres

- West Africa Centre for Water, Irrigation and Sustainable Agriculture (WACWISA)
- Energy Technology Centre (ETC).

Student population by programme and gender

Programme name	Male	Female	Total
BSc. Agricultural Engineering	97	20	117
BSc. Mathematics	3	0	3
BSc. Mechanical Engineering	145	33	178
BSc. Chemical Science & Technology	1	1	2

MPhil. Irrigation & Drainage Engineering	32	14	46
PhD. Irrigation & Drainage Engineering	25	7	32
Grand Total	299	74	378

Office of the Dean**Staff**

Name	Qualification	Rank/Position
<i>Seini, I. Y.</i>	<i>BSc. (KNUST, Kumasi, Gh), MSc (Sheffield, UK), PhD (UDS, Tamale, Gh.), MGHIE</i>	<i>Associate Professor/ Dean</i>
<i>Shaibu, A. G</i>	<i>BSc. (UDS, Tamale, Gh) MSc. PhD (KNUST, Kumasi, Gh), MGHIE</i>	<i>Associate Professor /Vice Dean</i>
<i>Juliana, A. B.</i>	<i>BSc (UDS, Tamale, Gh) MBA (KNUST, Kumasi, Gh), CIHRM</i>	<i>Snr. Assistant Registrar /School Officer</i>

Department of Agricultural Engineering (DAE)**Staff**

Name	Qualification	Rank/Position
<i>Shaibu, A.</i>	<i>BSc. (UDS, Tamale, Gh), /MSc., PhD (KNUST Kumasi, Gh), MGHIE</i>	<i>Associate Professor Vice Dean/Ag. HOD</i>
<i>Abagale, F. K.</i>	<i>BSc. (UDS, Tamale, Gh), MSc. PhD (KNUST Kumasi, Gh), MGHIE</i>	<i>Professor/ProVice Chancellor/Director, WACWISA</i>
<i>Dari, L.</i>	<i>BSc. (UDS, Tamale, Gh), MSc.Phil(KNUST, Kumasi, Gh), MGHIE</i>	<i>Senior Lecturer/ Vice Dean of Students</i>
<i>Salifu, E.</i>	<i>BSc. (UDS, Tamale, Gh), MPhil., PhD (KNUST, Kumasi, Gh)</i>	<i>Lecturer/ Department Coordinator</i>
<i>Anaba, L. A.*</i>	<i>BSc. (KNUST, Kumasi, Gh), MSc. (Makerere, Uganda), MGHIE</i>	<i>Lecturer</i>
<i>Osman, A.</i>	<i>BSc., MSc. (KNUST, Kumasi, Gh)</i>	<i>Assistant Lecturer</i>
<i>Karimu, A.</i>	<i>BSc., (KNUST, Kumasi, Gh), M.Phil (UCC, Cape Coast, Gh)</i>	<i>Assistant Lecturer</i>
<i>Agbemabiese, Y. K</i>	<i>BSc. MPhil. (UDS, Tamale, Gh)</i>	<i>Assistant Lecturer</i>

*Staff on study leave****Programmes offered**

- BSc. Agricultural Engineering
- MPhil. Irrigation & Drainage Engineering
- PhD. Irrigation & Drainage Engineering

Publications*Abagale, F. K.*

Bwambale, E., **Abagale, F. K.** and Anornu, G. K. (2022). Data-Driven Model Predictive Control for Precision Irrigation Management. *Smart Agricultural Technology*, Vol. 3, No. 2023. Pp. 1-12

- Orkodjo, T. P., Gordana Kranjac-Berisavijevic, G. and **Abagale, F. K. (2022)**. Impact of Climate Change on Future Precipitation Amounts, Seasonal Distribution, and Streamflow in the Omo-Gibe Basin, Ethiopia. *Heliyon*, Vol. 8, No. 2022, pp. 1-22.
- Abagale, F. K.** and Adongo, T. A. (2022). Physicochemical Quality of Reservoir Sediment in Irrigation Dams of Northern Ghana. *Lakes & Reservoirs*, Vol. 27, No. 2, pp. e12404
- Adongo, T. A., **Abagale, F. K.** and Agyare, W. A. (2021). Modelling and Forecasting Reservoir Sedimentation of Irrigation Dams in the Guinea Savannah Ecological Zone of Ghana. *Water Practice & Technology*. Vol. 16, No. 4, 1355-1369.
- Bwambale, E., **Abagale, F. K.** and Anornu, G. K. (2021). Smart Irrigation Monitoring and Control Strategies for Improving Water Use Efficiency in Precision Agriculture: A Review. *Agricultural Water Management*, Vol. 260, No. 1.
- Salifu, A., **Abagale F. K.** and Kranjac-Berisavljevic, G. (2021). Soil Hydraulic and Physical Properties of Irrigable Lands in the Northern Region of Ghana. *Indian Journal of Ecology*, Vol. 48, No. 3, pp. 803-810.
- Abagale, F. K. (2021)**. Effect of Agricultural Machinery on Physical and Hydraulic Properties of Agricultural Soils. *Journal of Soil Science and Environmental Management*, Vol. 12, No. 2, pp. 58-65.
- Shaibu, A.**
- Frimpong-Manso, J. **Shaibu, A.** and Xorse, J.K. (2022). Effect of Biochar on Water Retention and Leaching of Nutrients in a Sandy Loam Soil. *Proceedings of the International Conference on Climate Change*, Vol. 6, Issue 1, 2022, pp. 1-30.
- Frimpong-Manso, J., **Shaibu, A.** and Xorse, J.K. (2022). Influence of Biochar and Inorganic Fertilizer on Upland Rice-Cowpea Intercrop Competitive Indices. *Proceedings of the International Conference on Climate Change*, Vol. 6, No. 1, pp. 31-55.
- Yakubu, S. Z., **Shaibu, A.** and Bernard, N. B. (2022). Spatial analysis of soil physicochemical and hydraulic properties in the Libga irrigation scheme in northern Ghana using geostatistics and GIS approach. *Soil Science Annuals*, Vol. 72, No. 2, pp. 1-8.
- Salifu, E., Wilson, A. A, and **Shaibu, A.** (2022). Evaluation of land suitability for crop production in Northern Ghana using GIS and AHP based techniques. *International Journal of Environment and Geoinformatics*, Vol. 9, No. 4, pp. 046-056.
- Yiran, J. **Shaibu. A.** and Abagale, F. K. (2021). Effects of centre Pivot Speed Configuration on water application efficiency at Nasia kukobila farm Limited in Savelugu Municipality, Northern Region of Ghana. *International Journal of Creative research Thought*. Vol. 9, No. 10, pp. 783-796.
- Frimpong-Manso, J. and **Shaibu, A.** (2021) Simulate Plant Growth Response to Biochar on Upland Rice-Cowpea Intercrop in A Ferric Luvisols Soil in Ghana. *Proceedings of the International Conference on Agriculture*, Vol. 2, No. 1, pp. 1-21 TIIKM Publishing.
- Frimpong-Manso, J. and **Shaibu, A.** (2021) Assessing Upland Rice, Biochar and Soil Nutrient Modules in the Guinean Savanna Zone (Nyankpala) Ghana. *Proceedings of the International Conference on Agriculture*, Vol. 6, No. 1, pp. 45-67.

Dari, L.

Dari, L. and Mahamadou, M.I. (2021). Microbial Quality of Raw and Roasted Beef. *Ghanaian Journal of Animal Science*, Vol. 12, No. 1, pp. 91 - 98.

Book

Amagloh, F. K., Mahunu, G. K., **Dari, L.**, Osei-Kwarteng, M., Atuna, R. A., Achaglinkame, M. A., Barkker, S., Djah, J. and Koomen, I. (2021). *Catalogue of selected Indigenous Vegetables in Ghana*.

Salifu, E.

Agyare, W. A. and **Salifu, E.** (2021). Spatiotemporal Analysis of Potential Impact of Soil Erosion on Maize and Groundnuts Yield in Northern Ghana. *Journal of Applied Geospatial Information*. Vol. 5, No. 2, pp. 487-493.

Salifu, E., Wilson, A. A. and Shaibu, A. (2022). Evaluation of land suitability for crop production in Northern Ghana using GIS and AHP based techniques. *International Journal of Environment and Geoinformatics*, Vol. 9, No. 4, pp. 046-056.

Abugri, L. A.

Abankwa, E. O., **Abugri, L. A.**, Tiitaabu, C., Gatogo, E., & Boadu, M. K. (2022). Design and Fabrication of a Board Cleaner Using an In-Line Slider-Crank Mechanism. *International Journal of Scientific and Technical Research in Engineering*, Vol. 7, No. 2, pp. 48-58.

Department of Mechanical and Industrial Engineering (DMIE)

Staff

Name	Qualification	Rank/Position
Seini, I. Y.	BSc. (KNUST, Kumasi, Gh), MSc (Sheffield, UK), PhD (UDS, Tamale, Gh), MGHIE	Associate Professor/ Dean/Ag. HoD
Abankwa, O. E.	BSc. MSc. (KNUST, Kumasi, Gh), MGHIE	Lecturer/Department Coordinator
Enoch, A. L.	HND (T-Poly, Tamale, Gh) BTech (H-Poly, Ho), MSc (KNUST, Kumasi, Gh) PhD (Jiansu, China), MGHIE	Senior Lecturer
Boadu, M. K.	BSc. MSc. (KNUST, Kumasi, Gh), MGHIE	Lecturer/Exam Officer
Emmanuel A. A	BSc. (KNUST, Kumasi, Gh), MSc. (USA)	Assistant Lecturer

Programme

- BSc. Mechanical Engineering

Publications

Seini, I. Y.

Etwire, C. J., **Seini, I. Y.**, & Makinde, O. D. (2022). Magnetized Flow of Electrically Induced Maxwell Nanofluid over Reactive Stretching Plate with Thermal Stratification. *Earthline Journal of Mathematical Sciences*, Vol. 10, No. 2, pp. 241-270.

- Golbert, A., **Seini, I. Y.**, & Rabiou, M. (2022). Heat transfer on a chemically reacting non-Newtonian Casson fluid over a magnetised surface. *Journal of Nanofluids*, Vol 11, No. 5, pp. 629-645.
- Isah, B. Y., Bashiru, A., & **Seini, I. Y.** (2022). On transient MHD heat transfer within a radiative porous channel due to convective boundary conditions. *Heat Transfer*, pp. 1-19.
- Golbert, A., **Seini, I. Y.**, & Rabiou, M. (2022). On MHD flow of non-Newtonian viscoelastic fluid over a stretched magnetized surface. *American Journal of Applied Mathematics (AJAM)*, Vol. 10, No. 2, pp. 29-42.
- Shaban, M., & **Seini, I. Y.** (2022). Transient hydrodynamic stagnation-point flow across a vertical surface with partial slip in a chemically reactive medium. *Journal of Applied Mathematics and Physics*, Vol. 10, pp. 270-288.
- Sulemana, M., **Seini, I. Y.**, & Makinde, O. D. (2022). Hydrodynamic boundary layer flow of chemically reactive fluid over exponentially stretching vertical surface with transverse magnetic field in unsteady porous medium. *Journal of Applied Mathematics*. Vol. 2022, pp. 1-11.
- Golbert, A., **Seini, I. Y.**, & Musah, R. (2022). On hydromagnetic boundary layer flow of Casson fluid over a porous inclined magnetized surface with radiation and convective boundary conditions. *Com. in Mathematics and Applications*, Vol. 13, No. 1, pp. 1-23.
- Golbert, A., **Seini, I. Y.**, & Rabiou, M. (2021). Heat transfer in a magnetohydrodynamic Boundary layer flow of a non-Newtonian Casson fluid over exponentially stretching magnetized surface. *Journal of Nanofluids*, Vol.10, No. 2, pp. 172-185.

Research Interest

- Computational Fluid Dynamics
- Heat and Mass Transfer
- Mathematical Modelling

Abankwa, E. O.

- Abankwa, E. O.**, Anaba, L. A., Muonah, C. T., Gatogo, E., Boadu, M. K. (2022). Design and Fabrication of a Board Cleaner Using an In-line Slider-Crank Mechanism. *International Journal of Scientific and Technical Research in Engineering (IJSTRE)*. Vol. 7, No. 2, pp. 48 – 58.
- Boadu, M. K., Amuzu, I. F., Abdul-Fatawu, H., **Abankwa, E. O.** (2022). “Prediction of Vibration During Turning of SAE 5160 Steel” . *International Journal of Scientific and Technical Research in Engineering (IJSTRE)*. Vol. 7, No. 2, pp. 42-47.
- Boadu, M. K., Achaaboro, G. A., Musah, I. B., **Abankwa, E. O.** (2022). Prediction of Temperature induced on SAE 5160 Steel during a Face Milling operation *International Journal of Scientific and Technical Research in Engineering (IJSTRE)*. Vol. 7, No. 2, pp. 35-41

Research Interest

- Strengths of materials
- Vibration
- Solid mechanics and dynamics

Boadu, M. K.

Abankwa, E. O., Anaba, L. A., Muonah, C. T., Gatogo, E., **Boadu, M. K.** (2022). Design and Fabrication of a Board Cleaner Using an In-line Slider-Crank Mechanism. International Journal of Scientific and Technical Research in Engineering (IJSTRE). Vol. 7, No. 2, pp. 48 - 58.

Boadu, M. K., Amuzu, I. F., Abdul-Fatawu, H., Abankwa, E. O. (2022). Prediction of Vibration During Turning of SAE 5160 Steel. International Journal of Scientific and Technical Research in Engineering (IJSTRE). Vol. 7, No. 2, pp. 42 - 47.

Boadu, M. K., Achaaboro, G. A., Musah, I. B., Abankwa, E. O. (2022). Prediction of Temperature induced on SAE 5160 Steel during a Face Milling operation. International Journal of Scientific and Technical Research in Engineering (IJSTRE). Vol. 7, No. 2, pp. 35 - 41.

Research Interest

- Automotive controls
- Stress analysis
- Solid mechanics

Department of Environment, Water and Waste Engineering (DEWWE)**Staff**

Name	Qualification	Rank/Position
Kasei, R.	B.Sc., MPhil. (Ghana), PhD (Bonn, Germany)	Associate Professor /HOD
Issahaku, A.	B. Ed (UEW, Winneba, Gh), MPhil, Ph.D (KNUST, Kumasi, Gh)	Senior Research Fellow Director, DRI-UDS
Kwoyiga, L.	B.A (UDS, Tamale, Gh), MSc (Ås, Norway), MPhil (Oslo, Norway), PhD (Dresden, Germany)	Senior Lecturer/ TTFPP Coordinator
Imoro, A. Z	B.Ed (UEW, Winneba, Gh), Msc, PhD (KNUST, Kumasi, Gh)	Lecturer/Quality Assurance Coordinator
Bakobie, N.	B.Sc. (KNUST, Kumasi, Gh), M.Sc. (DELFT-IHE, Delft, Netherlands)	Lecturer
Osei, R. A	BSc, MPhil (UDS, Tamale, Gh)	Lecturer
Abanyie, S. K	B.Sc., M.Sc., (KNUST, Kumasi, Gh)	Lecturer
Bonsu N. K.	BSc, MSc (KNUST, Kumasi, Gh)	Assistant Lecturer

Publications**Kasei, R.**

- Wilby, R. L., **Kasei, R.**, Gough, K.V., Amankwaa, E. F. Abarike, M., Anderson, N. J., Codjoe, S. N. A. Griffiths, P., Kaba, C., Abdullah, K., Kayaga, S. Matthews, T., Mensah, C., Murphy, C. and Yankson, P. K. W. (2021). Monitoring and moderating extreme indoor temperatures in low-income urban communities, *Environ. Res. Lett.* Vol. 16.
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Issahaku A.

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Imoro, A. Z.

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Bakobie, N.

Journal Articles

Nuripuah, J. G., Duwiejuah, A. B. and **Bakobie, N.** (2022). Awareness and health risk protection behaviours of scavengers in the Gbalahi landfill site, Ghana, in the era of sustainable development. *Discover Sustainability*. Vol. 3, No. 1

Abanyie, S. K.

Journal Articles

Amadu, C. C., Owusu, G., Foli, G., Brako, B. A. and Abanyie, S. K. (2022). Comparison of Ordinary Kriging (OK) and Inverse Distance Weighting (IDW) Methods for the Estimation of a Modified Palaeoplacer Gold Deposit: A Case Study of the Teberebie Gold Deposit, SW Ghana. *Malaysian Journal of Geosciences*, Vol. 6, No. 1, pp. 19-28.

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Department of Civil Engineering

Staff

Name	Qualification	Rank/Position
Emmanuel A	BSc (KNUST, Kumasi, Gh), MSc, PhD (UK)	Lecturer
Bonsu, N. K.	BSc, MSc (KNUST, Kumasi, Gh), MGHIE	Assistant Lecturer
David, B.	BSc, MSc (KNUST, Kumasi, Gh)	Assistant Lecturer

Department of Geological Engineering

Staff

Name	Qualification	Rank/Position
Gyampo, M. A.	B.Sc., MSc, PhD (KNUST, Kumasi, Gh), MGHIE	Senior Lecturer/HOD
Zango, M. S.	B.Sc., M.Sc. (KNUST, Kumasi, Gh), MGHIE	Senior Lecturer
Abu, M.	B.Sc., (UDS, Tamale, Gh), MPhil. (Ghana)	Lecturer
Kazapoe, R. W.	B.Sc., (UDS, Tamale, Gh), MPhil. (Ghana)	Lecturer
Oteng-Mensah, R.	BSc., (UMaT, Tarkwa, Gh)	Assistant Lecturer

Publication

Gyampo, M. A

Journal Articles

Zango, M. S., Pelig-Ba, K.B., Anim-Gyampo, M., Gibrila, A., and Sunkari E.D (2022).

Responses to comments on: "Hydrogeochemical and isotopic controls on the source of fluoride in groundwater within the Veia catchment, northeastern Ghana" by Bam and Bansah (2022). *Groundwater for Sustainable Development* Vol. 17, p. 100739.

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Zango, M. S.

Gibrila, A., Fianko, J.R., Ganyaglo, S., Adomako, D., Stigter, T.Y., Salifu, M., Anornu, G., **Zango, M.S.** and Zakaria, N. (2022). Understanding recharge mechanisms and surface water contribution to groundwater in granitic aquifers, Ghana: Insights from stable isotopes of $\delta^2\text{H}$ and $\delta^{18}\text{O}$. *Journal of African Earth Sciences*, Vol. 192, p. 104567.

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Department of Statistics

Staff

Name	Qualification	Rank/Position
Alhassan, A.	HND (TaTU, Tamale, Gh), B.Sc. (UCC, Cape Coast, Gh), MSc., PhD (UDS, Tamale, Gh)	Senior Lecturer/ HoD
Salifu, K.	HND (TaTU, Tamale, Gh), B.Sc., (UDS, Tamale, Gh), MPhil., Ph.D. (KNUST, Kumasi, Gh)	Senior Lecturer/ PG Coordinator
Alhassan, F.	B.Sc., MSc. (UDS, Tamale, Gh), Ph.D (Ghana),	Senior Lecturer
Abdul Rahman, M.	B.Sc., (UCC, Cape Coast, Gh), MPhil. (Ghana)	Assistant Lecturer
Shei, S. B.	B.Sc., MSc. (UDS, Tamale, Gh)	Assistant Lecturer
Nkegbe W. K.	B.Sc., (UDS, Tamale, Gh), MPhil., (Ghana),	Assistant Lecturer
Sualihu, M. M.	B.Sc., (UDS, Tamale, Gh), MPhil., (KNUST, Kumasi, Gh)	Assistant Lecturer

Publications

Alhassan, A.

- Alhassan, A.** (2022). Gompertz Ampadu Class of Distributions: Properties and Applications, *Journal of Probability and Statistics*, Vol. 2022, pp. 1-7.
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Salifu, K.

Journal Articles

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Alhassan, F.

Journal Articles

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Department of Mathematics

Staff

Name	Qualification	Rank/Position
Seini, I. Y.	BSc. (KNUST, Kumasi, Gh), MSc. (Sheffield, UK), PhD (UDS, Tamale, Gh), MGHIE	Associate Professor/ Dean/Ag. HoD
Sulemana, M	B.Ed. (UEW, Winneba, Gh), M.Sc. (KNUST, Kumasi, Gh), Ph.D. (UDS, Tamale, Gh)	Lecturer/ Dept. Coordinator
Iddrisu, M. K.	B.Sc., M.Phil. (UDS, Tamale, Gh)	Assistant Lecturer

Ayando, T.	B.Sc., M.Sc (UDS, Tamale, Gh)	Assistant Lecturer
Seini, T	B.Sc. (UDS, Tamale, Gh), M.Sc. (UESTC, China)	Assistant Lecturer
Imoro, I	B.Sc. (UDS, Tamale, Gh), M.Phil. (KNUST, Kumasi, Gh)	Assistant Lecturer

Publications

Sulemana, M.

Sulemana, M., Seini, I. Y. and Makinde, O. D. (2022). Hydrodynamic Boundary Layer Flow of Chemically Reactive Fluid over Exponentially Stretching Vertical Surface with Transverse Magnetic Field in Unsteady Porous Medium. *Journal of Applied Mathematics*, Vol. 2022, pp.1-11.

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Iddrisu, M. K.

Iddrisu, M. K. and Seidu, B. and Elijah, B. B. (2022). Optimal Strategies for Control of Cholera With Three infection routes. *IISTE: Mathematical Theory and Modeling*, Vol. 12, No. 1, pp. 22-34.

Department of Chemistry

Staff

Name	Qualifications	Rank/Position
Salis, I.	B.Sc.; M.Sc. (KNUST, Kumasi, Gh), Ph.D. (Birmingham, UK)	Senior Lecturer /HOD
Oseni, L. A.	BSc. (KNUST, Kumasi, Gh), MPhil (Tromso, Norway)	Senior Lecturer/ Coordinating Dean

Publications

Salis, I.

Hamzah, M. H., Rahim, A. Z. M., Maringgal, B. Basri, M. S. M. and **Salis, I.** (2022). Optimization of silk fibroin coating during storage using response surface methodology and its effect on the physicochemical properties of *Solanum ferox* (S. ferox). *Journal of Food Measurement and Characterization*, pp. 1-17

Department of Electrical/Electronic Engineering

Staff

Name	Qualification	Rank/Position
Musah, R.	B.Sc. (UCC, Cape Coast, Gh), M.Sc. (ICTP, Trieste, It), Ph.D. (UDS, Tamale, Gh)	Senior Lecturer/Ag. HoD
Issahaku, M.	BSc. MSc. (KNUST, Kumasi, Gh)	Lecturer/Coordinator (ETC)
Amoatey, T.E.	B.E. (ANUC, Koforidua, Gh), M. Tech (SRMIST, Chennai, India)	Assistant Lecturer

Publications**Musah R.****Research Areas**

- Computational & Mathematical Physics
- Physics of Hydrovoltaic Systems
- Hydrodynamics of Sustainable Energy Systems

Journal Articles

- Rabiu, M.**, Gyasi-Antwi, D., Amekpewu, M., Mensah, P., Abukari, S. S., and Mensah, S. Y. (2022). Photon-Assisted Transport Phenomenon in Graphene Nanoribbons: A Quasi-Classical Approach. *Elixir Condensed Matter Phys.* 163, pp. 56047-56052.
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- Amekpewu, M., Mensah, S.Y., **Musah, R.**, Abukari, S.S. Mensah, N.G. and Dompseh, K. A. (2021). Radius dependence of the electrical conductivity of zigzag carbon nanotubes. *Physica E: Low-dimensional Systems and Nanostructures*, Vol. 130, No. 2021, 114712.
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Issahaku, M.**Research Areas**

- Electrical Energy Systems
- Renewable Energy Systems

Journal Articles

Felix, K. and **Issahaku, M.** (2021). Feasibility of rice husk for electricity generation: Avnash rice mill. *UDS international Journal of Development (UDSIJD)*. Vol. 8, No. 2, pp. 610 - 629.

Issahaku, M., Emmanuel, D., Saani, A. S. and Khadija S. (2021). Feasibility Studies of a Grid - Connected Solar PV system for a Restaurant in Ghana using HOMER Pro. *International Journal of Strategic Energy and Environmental Planning, Association of Energy Engineers (AEE)*. Vol. 3, No. 4, pp. 46 - 69.

Amoatey, T. E.

Research Areas

- Electronic Instrumentation
- MEMS sensor design
- Control systems

Journal Articles

Pandey, S.K., Vanithamani, S., Shahare, P., Ahmad, S.S, Thilagamani, S., Hassan, M.M. and **Amoatey, T. E.** (2022). Machine Learning-Based Data Analytics for IoT-Enabled Industry Automation. *Wireless Communications and Mobile Computing*, vol. 2022, p. 12.

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Abeer, A., Mohammed, Z., Wesam, A. H., Hussam, T. V., Tripathi, **Amoatey, T. E.** (2022). Human-Computer Interaction with Hand Gesture Recognition Using ResNet and MobileNet. *Computational Intelligence and Neuroscience*, Vol. 2022. pp. 1-16.

Department of Physics

Staff

Name	Qualification	Rank/Position
Abukari, S. S.	B.Sc, M.Phil, Ph.D. (UCC, Cape Coast, Gh)	Associate Professor/HoD
Musah, R.	B.Sc. (UCC, Cape Coast, Gh), M.Sc. (ICTP, Trieste, It), Ph.D. (UDS, Tamale, Gh)	Senior Lecturer
Amekpewu, M.	B.Sc., Dip.Ed., MPhil, Ph.D. (UCC, Cape Coast, Gh)	Senior Lecturer

Publications

Abukari, S. S.

Research Areas

- Condensed Matter Physics
- Nanomaterials Science
- THZ Physics (*Theory*)

Journal Articles

Rabiu, M., Gyasi-Antwi, D., Amekpewu, M., Mensah, P., **Abukari, S. S.**, & Mensah, S. Y. (2022). Photon-Assisted Transport Phenomenon in Graphene Nanoribbons: A Quasi-Classical Approach. *Elixir Condensed Matter Phys.* 163, pp. 56047-56052.

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Amekpewu, M., Mensah, S. Y., Musah, R., **Abukari, S. S.**, Dompheh, K. A., Mensah, N. G., & Kuwonu, M. (2021). Influence of temperature variation on the electrical conductivity of zigzag carbon nanotubes under homogeneous axial dc field. *Low Temperature Physics*, Vol. 47, No. 10, pp. 867-873.

Amekpewu, M.

Research Areas

- Condensed Matter Physics
- Nonmaterials Science
- THZ Physics (*Theory*)

Journal Articles

Rabiu, M., Gyasi-Antwi, D., **Amekpewu, M.**, Mensah, P., Abukari, S. S., & Mensah, S. Y. (2022). Photon-Assisted Transport Phenomenon in Graphene Nanoribbons: A Quasi-Classical Approach. *Elixir Condensed Matter Phys.* Vol. 163, pp. 56047-56052.

Abukari, S. S., Mensah, S. Y., Musah, R., **Amekpewu, M.**, Mensah, N. G., & Adu, K. W. (2022). Enhanced nonlinear conductivity due to hot-electron injection in carbon nanotubes. *Low Temperature Physics*, Vol. 48, No. 7, pp. 552-555.

- Dompseh, K. A., Adu, K. W., Sakyi-Arthur, D., Mensah, N. G., Mensah, S. Y., Twum, A. and **Amekpewu, M.** (2021). Acoustoelectric current in graphene nanoribbon due to Landau damping. *Scientific reports*, Vol. 11, No. 1, pp. 1-8.
- Amekpewu, M.**, Mensah, S. Y., Musah, R., Abukari, S. S., Dompseh, K. A., Mensah, N. G., and Kuwonu, M. (2021). Influence of temperature variation on the electrical conductivity of zigzag carbon nanotubes under homogeneous axial dc field. *Low Temperature Physics*, Vol. 47, No. 10, pp. 867-873.

Department of Computer Science

Staff

Name	Qualification	Rank/Position
Alhassan, A-B.	B.Sc., Ph.D (UDS, Tamale, Gh), M.Phil. (KNUST, Kumasi, Gh)	Senior Lecturer/HoD
Alhassan, S.	B.Sc., M.Sc., Ph.D (UDS, Tamale, Gh)	Lecturer
Dittoh, F.	B.Sc., (KNUST, Kumasi, Gh), M.Sc. (Amsterdam, The Netherlands)	Assistant Lecturer

Alhassan, A-B.,

Research Interest Areas

- Design of Algorithm,
- Cryptography and Information Security,
- Residue Number Architecture

Journal Article

- Alhassan, A-B.**, Mahama, A-H. and Alhassan, S. (2022). Residue Architecture Enhanced Audio Data Encryption Scheme using the Rivest-Shamir-Adleman Algorithm. *International Journal of Advanced Engineering and Technology*, Vol. 6, No. 2, pp. 21-29.
- Asante, G., **Alhassan, A-B.** and Salifu, A. (2022). Performance Evaluation of Lossless Data Compression Algorithms. *International Journal of Innovative Research in Communication and Computer Engineering*, Vol. 10, No. 7, pp. 6451-6458.
- Alhassan, A-B.**, Musah, Y. F. and Malik, S. B. (2022). Deployment of an Enhanced Web-based Really Simple Syndication (RSS) Aggregator (Ultrafeed). *International Journal of Computer Applications*, Vol. 184, No. 23, pp. 1-5.
- Issah, M., **Alhassan, A-B.** and Alhassan, S. (2021). Fast Implementation of the Rivest-Shamir-Adleman (RSA) Algorithm with Robust Packet Data Loss Detection Function. *Asian Journal of Engineering and Applied Technology*, Vol. 10, No. 2, pp. 19-24.
- Shiraz, I., **Alhassan, A-B.** and Salifu, A. (2022). A Review of Recommender System Strategies for Enhanced Service Recommendation. *ijournals: International Journal of Software and Hardware Research in Engineering*, Vol. 10, No. 1, pp. 118-135.
- Yakubu, A-W. N., **Alhassan, A-B.** and Salifu, A. (2021). A New Approach to Detecting and Correcting Single and Multiple Errors in Wireless Sensor Networks. *Journal of Advances in Mathematics and Computer Science*, Vol. 36, No. 8, pp. 27-43.

- Abukari, A. D., Daabo, M. I. and **Alhassan, A-B.** (2021). Detecting Electronic Banking Fraud on Highly Imbalanced Data using Hidden Markov Models. *Earthline Journal of Mathematical Sciences*, Vol. 7, No. 2, pp. 315-332.
- Abukari, A. D., Daabo, M. I. and **Alhassan, A-B.** (2021). An Improved Hybrid Algorithm for Optimizing the Parameters of Hidden Markov Models. *Asian Journal of Computer Science and Technology*, Vol. 10, No. 1, pp. 63-73.
- Aveyom, V., **Alhassan, A-B.** and Wumnaya, P. A. (2021). An Efficient Reverse Converter for the Four Non Co-prime Moduli Set $\{2n, 2n - 1, 2n - 2, 2n - 3\}$. *Asian Journal of Computer Science and Technology*, Vol. 10, No. 1, pp. 29-34.

Alhassan, S.

Research Interest Areas

- Cryptography,
- Data Security,
- Software Engineering

Journal Article

- Alhassan, A-B., Mahama, A-H. and **Alhassan, S.** (2022). Residue Architecture Enhanced Audio Data Encryption Scheme using the Rivest-Shamir-Adleman Algorithm. *International Journal of Advanced Engineering and Technology*, Vol. 6, No. 2, pp. 21-29.
- Alhassan, S.,** Daabo, M. I., & Armah, G. K. (2022). Twin K-Shuffle Based Audio Steganography. *Asian Journal of Engineering and Applied Technology*, Vol. 11, No. 1, pp. 1-4
- Alhassan, A-B., Mubasir, I., & **Alhassan, S.** (2021). Fast Implementation of the Rivest-Shamir-Adleman (RSA) Algorithm with Robust Packet Data Loss Detection Function. *Asian Journal of Engineering and Applied Technology*, Vol. 10, No. 2, pp. 19-24.
- Alhassan, S.,** Armah, G. K., & Alhassan, I. Z. (2021). Audio Cryptography via Enhanced Genetic Algorithm. *The International Journal of Multimedia & Its Applications (IJMA)*, Vol. 13, No. 4, pp. 37-45.

Dittoh, F.

Research Interest Areas

- Artificial Intelligence,
- Web Technologies,
- ICT4D

Chapters in a Book

- Bon, A., **Dittoh, F.,** Lô, G., Pini M., Bwana R., Shiang, C. W., Ramaiyer, N. K., Baart, A. (2021). Decolonizing Technology and Society: A Perspective from the Global South. In H. Werthner, E. Prem, E. A. Lee, and C. Ghezzi (eds). *Perspectives on Digital Humanism*: Springer.

Dittoh, F., Akkermans, H. De Boer, V. Bon, A. Tuyp, W. and Baart, A. (2021). Tibansim: Information Access for Low-Resource Environments. In Yang, X.S., Sherratt, S., Dey, N., Joshi, A. (eds) *Proceedings of the Sixth International Congress on Information and Communication Technology: ICICT 2021*, Singapore: Springer, pp 675–683

Journal Article

Stan. G. V., Baart, A., **Dittoh, F.**, Akkermans, H., Bon, A. (2022). A Lightweight Downscaled Approach to Automatic Speech Recognition for Small Indigenous Languages. *14th ACM Web Science Conference 2022 (WebSci '22)*. Association for Computing Machinery, New York, NY, USA, pp. 451–458.

Dittoh F., de Boer, V., Bon, A., Tuyp, W., and Baart, A. (2020). Mr. Meteo: Providing Climate Information for the Unconnected. *12th ACM Conference on Web Science Companion (WebSci '20)*. Association for Computing Machinery, New York, NY, USA, pp. 2025

Video Clips

Dittoh, F. (2019, November 25). RadioNet [Video file]. Retrieved from https://www.youtube.com/watch?v=_xGu6RVeLfg

SCHOOL OF APPLIED ECONOMICS AND MANAGEMENT SCIENCES

The School of Applied Economics and Management Sciences (SAEMS) was established in the 2020/2021 academic year and forms part of the Six (6) Faculties/Schools at the Nyankpala Campus. As a young and business-oriented school, its establishment was in response to the current global and national focus on Business and Economic development as an important growth tool in the economies of nations.

The School has developed five (5) undergraduate programmes in, B.Sc. Accounting, B.Sc. Economics, B.Sc. Marketing, B. Sc. Human Resource Management, and B. Sc. Banking and Finance. Postgraduate programmes in M.Sc./M.Phil. /Ph.D. and MBA are still being developed for accreditation.

Departments

- Department of Economics
- Department of Applied Economics
- Department of Marketing and Corporate Strategic Management
- Department of Administration and Human Resource Management
- Department of Banking and Finance
- Department of Accounting

Student Population by Gender

Programme	Male	Female	Total
B.Sc. Economics	19	7	26
B.Sc. Marketing	3	6	9
B.Sc. Human Resource Management	19	15	34
B.Sc. Banking and Finance	7	4	11
B.Sc. Accounting	14	4	18
Grand Total	62	36	98

Office of the Dean

Staff

Name	Qualification	Rank/Position
Donkoh, S.A.	B.A., Dip. Ed, M. Phil (UCC, Cape Coast, Gh), Ph.D. (Reading, UK).	Professor/Dean
Awuni, J.A.	B.Sc. (UDS, Tamale, Gh), M.Sc. (Reading, UK), Ph.D. (Jiangsu, PRC)	Assoc. Professor/Vice Dean
Asianab, P.A.	B.A., M.Phil. (UDS. Tamale, Gh), M.A (UCC. Cape Coast, Gh), Ch.PA., CMC (Ghana)	Asst Registrar/Sch. Officer

Department of Economics

Staff

Name	Qualification	Rank/Position
Abdulai, A-M.	B.Sc. (KNUST, Kumasi, Gh); M.Phil., Ph.D. (Ghana)	Senior Lecturer/ HoD
Donkoh, S.A.	B.A., Dip. Ed, M. Phil (UCC, Cape Coast, Gh), Ph.D. (Reading, UK)	Professor/Dean
Awuni, J.A.	B.Sc. (UDS, Tamale, Gh), M.Sc. (Reading, UK), Ph.D. (Jiangsu, PRC)	Associate Professor/Vice Dean
Ansah, I.G.K.	B.Sc. (KNUST, Kumasi, Gh), MSc., PhD (Wageningen, NL)	Senior Lecturer
Salifu, M.	B.A., (UCC, Cape Coast, Gh), M.Phil. (Ghana)	Lecturer/TTFPP coordinator
Saani, M.R.	B.A., M.Phil. (Ghana)	Assistant Lecturer
Gana, B. N-A.	B.Sc.; M.Phil. (KNUST, Kumasi, Gh)	Assistant Lecturer
Atta-Peters, H.	BSc. M.Phil. (Ghana)	Assistant Lecturer
Muhammed, M.A.	B.A., (UDS, Tamale, Gh), MPhil (Ghana)	Assistant Lecturer

Publications

Abdul-Malik, A.

- Shafiwu, A.B, Donkoh, S.A. & Abdul-Malik, A. The welfare impact of improved seed variety adoption in Ghana *Journal of Agriculture and Food Research* ,10, 12, 1-11 (2022)<https://doi.org/10.1016/j.jafr.2022.100347>
- Abdul-Malik, A. & Alhassan, A. (2022). Impact of Government Investment Expenditure on Economic growth in Ghana. *UDS International Journal of Development [UDSIJD]*, 9(1): 698-709. <https://doi.org/10.47740/573.UDSIJD6i>
- Abdullah, K., Abdul-Basit, T. A. & Abdul-Malik, A. (2022). Testing the Climate Resilience of Sorghum and Millet with time series data. *Cogent Food & Agriculture*, 8:1, 2088459, <https://doi.org/10.1080/23311932.2022.2088459>
- Suhaibu, I., Abdul-Malik, A. and Adzagbre, C.K. (2022). Panel VAR analysis of liberalization and financial development dynamics: Evidence from Sub-Sahara Africa (SSA). *Journal of Economics and International Finance*. 4(1): 1- 10. <http://www.academicjournals.org/JEIF>.

Donkoh, S.A.

- Shafiwu, A. B, Donkoh, S.A. & Abdul-Malik, Abdulai. The welfare impact of improved seed variety adoption in Ghana *Journal of Agriculture and Food Research* ,10, 12, 1-11 (2022) <https://doi.org/10.1016/j.jafr.2022.100347>
- Anang, B.T, Dokyi, E.O, Asante, B.O & Donkoh, S. A. (2022). Technical efficiency of resource-poor maize farmers in northern Ghana *Open Agriculture*, 7, 1, 2022, 69-78. <https://doi.org/10.1515/opag-2022-0075>
- Boateng, V.F., Donkoh, S.A. & Adzawla, W. (2022). Organic and conventional vegetable production in northern Ghana: farmers' decision making and technical efficiency. *Org. Agr.* 12, 47–61 (2022). <https://doi.org/10.1007/s13165-021-00379-7>

- Alhassan, H., Kwakwa, P.A. & **Donkoh, S.A.** (2022). The interrelationships among financial development, economic growth and environmental sustainability: evidence from Ghana. *Environ Sci Pollut Res* (2022). <https://doi.org/10.1007/s11356-021-17963-9>
- Lamptey, C.Y., Sulemana, N., **Donkoh, S.A.**, Zakaria, A. Azumah, S.B. (2022). The effect of Adoption of Improved Varieties on Rice Productivity in the Northern Region of Ghana. *Review of Agricultural and Applied Economics*. Advance online publication. doi: 10.15414/raae.2022.25.01.42-54
- Abdallah, S., Alhassan, H., **Donkoh, S.A.** & Christina Appiah-Adjei C. (2021). Participation in "Planting for Food and Jobs" Programme and Commercialization among Maize Farm Households in Savelugu Municipality, *Ghana Journal of Development Studies* 1-24 DOI: 10.4314/gjds.v18i2.1
- Awuni, J.A.**
- Awuni, J.A.**, Ayamga M, Dagunga G (2022). COVID-19 vaccination intensions among literate Ghanaians: Still the need to dissipate fear and build trust on vaccine efficacy? *PLoS ONE* 17(6)
- Abdallah A-H, Ayamga M. & **Awuni, J.A.** (2022). Impact of land grabbing on food security: Evidence from Ghana. *Environment Development and Sustainability*. <https://doi.org/10.1007/s10668-022-02294-7>
- Mabe, F.N., Konja, D.T., Addo, M.D.D. and **Awuni, J.A.** (2022), "The locational and gendered impacts of Livelihood Empowerment Against Poverty (LEAP) on children education in Ghana", *International Journal of Social Economics*, <https://doi.org/10.1108/IJSE-10-2021-0596>
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- Danso-Abbeam G.; Dagunga G.; Ehiakpor D.S., Ogundeji A.O., Setsoafia E; & **Awuni J.A.** (2021). Crop-livestock diversification in the mixed farming systems: implication on food security in Northern Ghana. *Agriculture & Food Security*, 10 (35)

Ansah, I. G. K

- Ansah, I.G.K., Tampaa, F., & Tetteh, B. K. D. (2021). Farmers' control strategies against fallarmyworm and determinants of implementation in two districts of the Upper West Region of Ghana. *International Journal of Pest Management*, 1-15.

Salifu, M.

- Anarwat, S. G., **Salifu, M.**, & Akuriba, M. A. (2021). Equity and access to Maternal and Child Health Services in Ghana a cross-sectional study. *BMC Health Services Research*, 21(1), 1-12. <https://doi.org/10.1186/s12913-021-06872-9>
- Akudugu, M.A., **Salifu M.**, & Millar, K.K. (2021). Analysis of Irrigation Investments for Jobs and Wealth Creation in Northern Ghana. *Ghana Journal of Agricultural Economics and Agribusiness*, 3(1), 76-101.

Department of Applied Economics

Staff

Name	Qualification	Rank/Position
Ayamga, M.	B.Sc. (UDS, Tamale, Gh), M.Phil., Ph.D. (Ghana)	Senior Lecturer /HoD
Nkegbe, P. K.	BSc (UDS, Tamale, Gh), MPhil (Ghana), PhD (Reading, UK)	Associate Professor
Alhassan, H	B.Sc. (KNUST, Kumasi, Gh). M.Phil., PhD (Ghana)	Associate Professor
Akuriba, M. A.,	Bsc (UDS, Tamale, Gh), M.Phil. (Ghana), PhD (Wageningen, Netherlands)	Senior Lecturer
Ayambila, S. N.	BSc. (UDS, Tamale, Gh), MPhil., PhD (Ghana)	Senior Lecturer
Sienso G.,	B.Sc. (UDS, Tamale, Gh.), M.Phil. (Ghana.), Ph.D. (Texas, USA).	Senior Lecturer
Tanko, M	B. A., M.Phil. (UDS, Tamale, Gh.), PhD (Newcastle, Australia).	Lecturer
Ayipeh, F.	B.A. (KNUST, Kumasi, Gh.), M.Phil. (UCC., Cape Coast, Gh)	Assistant Lecturer
Mbanba, Y. Z.,	B.Sc., M. Phil (KNUST, Kumasi. Gh)	Assistant Lecturer

Publications

Ayamga, M.

- Awuni JA, Ayamga M, Dagunga G (2022) Covid-19 vaccination intensions among literate Ghanaians: Still the need to dissipate fear and build trust on vaccine efficacy? PLoS ONE 17(6): e0270742. <https://doi.org/10.1371/journal.pone.0270742>
- Abdul-Hanan Abdallah Michael **Ayamga** Joseph A. Awuni (2022) Impact of land grabbing on food security: evidence from Ghana Environment, Development and Sustainability <https://doi.org/10.1007/s10668-022-02294-7>
- Gilbert Dagunga , **Micheal Ayamaga** & Danso-Abbeam Gideon (2021): "A Re-Look at Poverty through the Lens of the Sustainable Development Goals in Ghana: Drivers and Policy Implications: Journal of Poverty <https://doi.org/10.1080/10875549.2020.1869661>

Alhassan, H.

- Kwakwa, P.A., **Alhassan, H.**, and Adzawla, W. (2022). Environmental degradation effect on agricultural development: an aggregate and a sectoral evidence of carbon dioxide emissions from Ghana. *Journal of Business and Socio-economic Development*, <https://doi.org/10.1108/JBSED-10-2021-0136>.
- Nkegbe, P.K., Araar, A., Abu, B.M., Alhassan, H., Ustarz, Y., Setsoafia, E.D., and Abdul-Wahab, S. (2022). Nonfarm activity and market participation by farmers in Ghana. *Agricultural and Food Economics*, 10(4), 1-23.
- Alhassan, H.**, Kwakwa, P.A., and Donkoh, S.A. (2022). The interrelationships among financial development, economic growth and environmental sustainability: evidence from Ghana. *Environmental Science and Pollution Research*, <https://doi.org/10.1007/s11356-021-17963-9>.

- Abdallah, S., **Alhassan, H.**, and Donkoh, S.A. (2021). Participation in “Planting for Food and Jobs” programme and commercialization among maize farm households in Savelugu municipality, Ghana. *Ghana Journal of Development Studies*, 18(2), 1-24. DOI//<http://dx.doi.org/10.4314/gjds.v18i2.1>.
- Owusu-Sekyere, E., **Alhassan, H.**, and Jengre, E. (2021). Urban growth, fuel service station disasters and policy compliance in Ghana. *Ghana Journal of Development Studies*, 18(2), 25-47. DOI//<http://dx.doi.org/10.4314/gjds.v18i2.2>.

Book Chapters

- Alhassan H.**, Kwakwa P.A., Dagunga G. (2021). “Waste Not, Want Not”: Assessing the Determinants of Food Waste Separation and Reuse in Ghana. In: Adae E.K., Kosiba J.P.B., Hinson R.E., Twum K.K., Newman N., Nutsugah F.F. (eds) Responsible Management in Emerging Markets. Sustainable Development Goals Series. Palgrave Macmillan, Cham. https://doi.org/10.1007/978-3-030-76563-7_10.

Nkegbe, P. K

- Nkegbe, P. K.** and Abdul Mumin, Y. (2022). Impact of community development initiatives and access to community markets on household food security and nutrition in Ghana. *Food Policy*, <http://doi.org/10.1016/j.foodpol.2022.102282>
- Nkegbe, P. K.** and Kuunibe, N. (2022). Choice of transport mode by non-residential university students in Ghana: a study using multinomial logit regression. *SAGE Research Methods Cases*, Part 1. <https://dx.doi.org/10.4135/9781529601534>
- Nkegbe, P. K.**, Araar, A., Abu, B. M., Alhassan, H., Ustarz, Y., Edinam Dope Setsoafia, E. D. and Abdul-Wahab, S. (2022). Nonfarm activity and market participation by farmers in Ghana. *Agricultural and Food Economics*, 10:4. <https://doi.org/10.1186/s40100-022-00210-1>
- Dzanku, F. M., Osei, R. D., **Nkegbe, P. K.** and Osei-Akoto, I. (2022). Information delivery channels and agricultural technology uptake: experimental evidence from Ghana. *European Review of Agricultural Economics*, 49(1): 82-120.
- Mahama, T. A. K., and **Nkegbe, P. K.** (2021). Impact of livelihood diversification on household welfare in Ghana. *Scientific African*, 13: e00858. doi: <https://doi.org/10.1016/j.sciaf.2021.e00858>

Book chapter(s)

- Issahaku, H., Asiedu, E., **Nkegbe, P. K.** & Osei, R. (2021). Financing agriculture for inclusive development. In: Abor, J. Y., Adjasi, C. K. D., Lensink, R. (eds.). *Contemporary Issues in Development Finance*. London: Routledge, pp. 287-317. <https://doi.org/10.4324/9780429450952>

Tanko, M.

- Tanko, M.** (2022). Nexus of Risk Preference, Culture and Religion in the Adoption of Improved Rice Varieties: Evidence from Northern Ghana. *Land Use Policy*. 115 (2022) 106040.

- Tanko, M., & Ismaila, S.** (2021). How culture and religion influence the agriculture technology gap in Northern Ghana. *World Development Perspectives*, 22, 100301.
- Ismaila, S., & **Tanko, M.** (2021). Exploring relative deprivation theory in the rice industry: Planting for Food and Jobs (PFJ) in northern Ghana. *Technology in society*, 65, 101556.

Yakubu, M.Z.

- Immurana, M., Kisseih, K.G., Yusif, H.M., & **Yakubu, M.Z.** (2022). The Effect of Financial Inclusion on Open Defecation and Sharing of Toilet Facilities among Households in Ghana. *PLoS ONE* 17(3): e0264187.
- Immurana, M., Kisseih, K.G., **Yakubu, M.Z.**, & Yusif, H.M. (2022). Financial Inclusion and Households' Choice of Solid Waste Disposal in Ghana. *BMC Public Health* 22:1117.

Department of Marketing and Corporate Strategic Management

Staff

Name	Qualification	Rank/Position
Asitik, A. J.	B.A, M. Phil (UCC, Cape Coast, Gh), Ph.D. (UCLan, UK)	Senior Lecturer/ HoD,
Seidu, A.A. J	BBA, (Ghana) M. Phil (UPSA, Accra, Gh).	Assistant Lecturer
Asari-Larbi, M.	BMS, PDGE, M. Phil (UCC, Cape Coast, Gh.)	Assistant Lecturer
Abdul Mumin, M.	BA, (UDS, Tamale, Gh) M. Phil (KNUST, Gh).	Assistant Lecturer
Azure, G.	BSc. (Ghana), MBA, (Jamia Millia Islamia University, India)	Assistant Lecturer
Iddrisu, A. R.	HND, (TaTU, Tamale, Gh), B. Com (UCC, Cape Coast, Gh), MBA (KNUST, Kumasi, Gh)	Assistant Lecturer
Adaehsah, I.	B.Sc. (UDS, Tamale, Gh), MBA (VU, Techiman, Gh). MSc. (UDS/CCOD, Sunyani, Gh), (LLB, KNUST, Sunyani, Gh)	Assistant Lecturer

Publications

Asitik, A. J

- Nunfam, V. F., Afrifa-Yamoah, E., & **Asitik, A. J.** (2022). Mediation roles of pedagogical approaches and personality traits in entrepreneurial curriculum design and entrepreneurial intention nexus. *Entrepreneurship Education*, Vol. 5, No. 2, pp. 179-197.
- Domanban, P. B., **Asitik, A. J.**, & Addy-Morton, R. (2022). The Role of Rural Banks in Poverty Reduction among Women: Evidence from Sonzele Rural Bank, Ghana. *Ghana Journal of Development Studies*, Vol. 19, No. 1, pp. 49-70.
- Yendaw, E., **Asitik, A. J.**, & Dary, S. K. (2021). Retailing Strategies of West African Itinerant Immigrant Traders in Ghana. *Journal of Planning and Land Management*, Vol. 2, No. 1, pp. 65-76.

Seidu. A. A. J.

Pienaah, C.K.A.; **Seidu, A.A.J** & Issahaku, A. (2022). The Effect of Covid 19 on Moringa Farmers under the Village Savings and Loans Associations in North-Western Ghana. *Journal of Global Ecology and Environment*, Vol. 16, No. 4, pp. 34-44.

Asare-Larbi M

Asare-Larbi M. Gonu, E., Konadu, M & **Asare-Larbi, M.** (2022). Customer Relationship Management Practices and Customer Retention at Ghana Commercial Bank (GCB) in Tamale: Mediating Role of Customer Satisfaction. *Journal of Marketing and Consumer Research*. Vol. 85, No. 1, pp. 8-19. Gonu, E., **Asare-larbi, M.,** & Abdul-Rahman, M. (2022). Marketing Strategies and Consumer Purchasing behaviour in Ghana. A case of Nestle Ghana Limited. *African Journal of Business Management*, Vol. 16, No. 5, pp. 104-116

Department of Administration and Human Resource Management**Staff**

Names	Qualification	Rank/Position
Ayambila, S. N	B. Sc., (UDS, Tamale, Gh), M.Phil., Ph.D. (Ghana)	Senior Lecturer/HoD
Issifu, A. A.	B.A(Ghana), D.S.E.F.(Senegal), MA (HRD) Ghana, Maîtrise (FLE), France ; PhD, England	Senior Lecturer/ School Quality Assurance Officer
Abubakari, J. B.	B.A, M. Phil, PhD Candidate (Ghana)	Lecturer
Tetteh, S.	B.A., (UCC, Cape Coast Gh), M.Sc., PhD (China)	Lecturer/School Examination Officer
Abane, S.	B.A., M. Phil., (Ghana)	Lecturer
Tijani, A.	B.Sc., M. Phil (Ghana)	Lecturer
Antwi, J.	BCom, M. Com, (UDS, Tamale, Gh)	Assistant Lecturer
Mohammed, B.	B.Ed. (UEW, Winneba, Gh), MBA (KNUST, Kumasi, Gh), Ph.D. Candidate (Malaysia).	Assistant Lecturer
Mohammed, A. S.	B.Ed., (UEW, Winneba, Gh), M.Sc., PhD Candidate (China)	Assistant Lecturer

Publications**Antwi, J.**

Antwi, J., Dwumah M. B., Ying, F., Oduro, D. and Yaw, M. A. 2022. Intercultural Adaptation through social media: A Literature Review. *The American Journal of Humanities and Social Sciences Research (THE AJHSSR)*. Volume-05, Issue-01, pp-11-20.

Tetteh, S.

Amoako, R., Jiang, Y., Frempong, M. F., **Tetteh, S.** & Adu-Yeboah, S.S. (2022) Examining the Effect of Organizational Leadership, Organizational Structure and Employee Technological Capability on the Success of Electronic Human Resource Management. *SAGE Open*, 12(2), 1-14. doi 10.1177/21582440221088852

Department of Banking and Finance

Staff

Name	Qualification	Rank/Position
Akuriba, M. A.	B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana), Ph.D. (Wageningen, Netherlands)	Snr. Lecturer/HoD
Issahaku, H.	B.Sc. (UDS, Tamale, Gh), M.Phil., Ph.D. (Ghana)	Assoc. Professor
Ustarz, Y.	B.A. (UDS, Tamale, Gh), M.Phil. (Ghana), Ph.D. (Stellenbosch, South Africa)	Lecturer
Ibrahim, M.	B.A. (KNUST, Kumasi, Gh), M.Sc. (London, UK), Ph.D. (Johannesburg, South Africa)	Lecturer
Abdul-Hamid, A.W.	BBA, M.Sc., Ph.D. (Kuala Lumpur, Malaysia)	Lecturer
Suhaibu, I.	B.M.S. (UCC, Cape Coast, Gh), M.Phil. (Ghana)	Lecturer
Abubakari, R.	B.Ed. (UCC, Cape Coast, Gh), M.B.A. (KNUST, Kumasi, Gh)	Lecturer
Iddrisu, A.	B.Sc., M.Phil. (Ghana)	Lecturer
Yahaya, M.	B. Ed. (UEW, Winneba, Gh), M.B.A., M. Phil. (KNUST, Kumasi, Gh)	Assistant Lecturer/ School Coordinator for Distant Learning Programmes
Omoru, A.	B.A. (Bonn-Rhein-Sieg, Germany), M.B.A. (Coburg, Germany)	Assistant Lecturer
Zuberu, M.	B.Com., M.Com.(UCC, Cape Coast, Gh)	Assistant Lecturer
Jamoni, P.	B.A. (UDS, Tamale, Gh), M.Res. (GIMPA, Gh)	Assistant Lecturer
Awutey, F.	B.Sc. (UCC, Cape Coast, Gh), M.Com. (UDS, Tamale, Gh)	Assistant Lecturer

Publications

Akuriba, M. A.

- Akuriba, M. A.**, Haagsma, R., and Heerink, N. (2022). Do Governance Perceptions Affect Cooperativeness? Evidence from Small-Scale Irrigation Schemes in Northern Ghana. *Sustainability*, 14(16), 9923.
- Akuriba, M. A.**, Akudugu, M. A., and Alhassan, A. R. (2021). *Agribusiness for Economic Growth in Africa: Practical Models for Tackling Poverty*. Springer Nature.
- Akudugu, M. A., Millar, K. K. N. D., and **Akuriba, M. A.** (2021). The Livelihoods Impacts of Irrigation in Western Africa: The Ghana Experience. *Sustainability*, 13(10), 5677.
- Anarwat, S. G., Salifu, M., and **Akuriba, M. A.** (2021). Equity and access to maternal and child health services in Ghana a cross-sectional study. *BMC Health Services Research*, 21(1), 1-12.

Issahaku, H.

- Olaifa, E. S., Osabuohien, E. S., **Issahaku, H.**, and Matthew, O. (2022). Oil Spillages and Captured Fish Production in the Niger Delta Region of Nigeria. *International Journal of Energy Economics and Policy*, 12(3), 175-183.

- Olaifa, E.S., Osabuohien, E.S., and **Issahaku, H.** (2022). Enhancing fish production for food security in Nigeria. *Materials Today: Proceedings*, <https://doi.org/10.1016/j.matpr.2022.06.243>
- Issahaku, H.**, Chiaraah, A., and Honya K. G. (2022). Remittances and Economic Development in The Global South. In F. Nunan, B. Clare & K. Sukanya (Eds). *The Routledge Handbook on Livelihoods in the Global South* (pp 380 – 390). Routledge Publishing.
- Issahaku H.**, Amidu, M., and Sissy, A. (2022). Banking Services and Inclusive Development in Sub-Saharan Africa. In Wamboye, E. F., Fayissa, B. (eds). *Palgrave Handbook on Africa's Economic Sectors*. Palgrave Macmillan.
- Dary, S. K., **Issahaku, H.**, and Abu, B. (2022). Trade Credit Financing and Firm Growth: A Panel Study of Listed Firms in Africa. In Wamboye, E. F., Fayissa, B. (eds). *Palgrave Handbook on Africa's Economic Sectors*. Palgrave Macmillan.
- Abor, J. Y., Amidu, M., Sarpong-Kumankoma, and **Issahaku, H.** (2021), African Banking Sector Development: The Roles of Remittances and Monetary Policy, *African Finance Journal*, 23 (1), 20-40.
- Amidu, M., Abor, J. Y., and **Issahaku, H.** (2021). Inclusive finance, financial literacy and livelihood activities of households in Ghana. In Ahmad, A. A. H., David T. Llewellyn, D. T., & Victor Murinde, V. (eds.), *Inclusive Financial Development* (chapter 14). Edward Elgar Publishing: UK.
- Ustarz, Y.**
- Nkegbe, P. K., Araar, A., Abu, B. M., Alhassan, H., **Ustarz, Y.**, Setsoafia, E. D., and Abdul-Wahab, S. (2022). Nonfarm activity and market participation by farmers in Ghana. *Agricultural and Food Economics*, 10(1), 1-23.
- Ustarz, Y.**, and Fanta, A. B. (2021). Financial development and economic growth in sub-Saharan Africa: A sectoral perspective. *Cogent Economics & Finance*, 9(1), 1934976.
- Suhaibu, I.**
- Suhaibu I.**, Alhassan, A., and Solomon, A. A. (2022). The impact of institutional quality on living standards: Evidence from 20 sub-Sahara African (SSA) countries. *Journal of Development and Agricultural Economics*, 14(1), 20-29.
- Suhaibu I.**, and Abdul Malik A. (2021). Debt policy, firm value and the macroeconomic environment nexus: evidence from non-financial sector firms in Ghana. *Int. J Fin Econ.*, 26(2) 2106-2117.

Department of Accounting

Staff

Name	Qualification	Rank/Position
Sienso, G	B.Sc. (UDS, Tamale, Gh.), M.Phil. (Ghana.), Ph.D. (Texas, USA)	Senior Lecturer/HoD
Adam, I. O	B.Sc., Ph.D. (Ghana), M.Sc. (Reading, UK), ICA (Ghana)	Associate Professor
Issah, O	B.A (UCC, Cape Coast, Gh), M.Sc. (University of York, UK), FCCA, (UK).	Senior Lecturer

Doe-Dartey, R. K.	B.Sc. (UEW, Winneba, Gh), MBA (Ghana), ICA(Ghana)	Lecturer
Mukaila, H	B.Sc. M. Phil. (Ghana), ICA (Ghana).	Assistant Lecturer
Ankamah, E.K.	B.Sc. (UEW, Winneba, Gh.), M.Phil. (Ghana)	Assistant Lecturer
Anaba, S.	B.com (UCC, Cape Coast, Gh.), MBA. M.Phil. (KNUST, Kumasi, Gh.)	Assistant Lecturer
Sappor, P.	B.Ed., M.Phil., (UCC, Cape Coast, Gh), CIMA-UK, ICA (Gh)	Assistant Lecturer
Ahmed, R.S.S.	B.Ed. (UCC, Cape Coast, Gh), MPhil. (KNUST, Kumasi, Gh), ICA (Ghana),	Assistant Lecturer

Publications

Adam, I. O.

Alhassan, M. D., & **Adam, I. O.** (2022). The continuance use of e-renewal of a health insurance subscription in Ghana. *International Journal of Healthcare Management*, 1-13

Alhassan, M. D., & **Adam, I. O.** (2021). The social impacts of information and communication technology on sustainable development. *International Journal of technology management & sustainable development*, 20(2), 129-145.

Adam, I. O., & Alhassan, M. D. (2021). Examining the link between information and communication technologies and the UN Sustainable Development Goals. *International Journal of Technology Management & Sustainable Development*. 20 (1), 21-41.

Adam, I. O., & Alhassan, M. D. (2021). The Linkages between ICT Access, E-government and Government Effectiveness and its Effect on Corruption. *International Journal of Technology, Policy and Management*. 21 (4), 340-362

Adam, I. O., & Alhassan, M. D. (2021). Social Media and E-Commerce at the Global Level: Do ICT Access and ICT Skills Matter? *International Journal of e-Business Research* 17 (4)

Adam, I. O., & Alhassan, M.D. (2021). The mediating role of ICT regulation on the effects of ICT access and ICT use on e-participation: Evidence from structural equation modelling and necessary condition analysis. *African Journal of Science, Technology, Innovation and Development*, 1-12.

Sappor, P.

Kwarteng J. T., & **Peter Sappor** (2021). Pre-service Teachers' Self-Efficacy in Teaching Cost Accounting. *Education Research International*, 2021

SCHOOL OF VETERINARY MEDICINE

Office of the Dean

Staff

Name	Qualification	Rank/Position
Abdul-Rahman, I.I.	BSc., MPhil. (Ghana), PhD (University of Glasgow, Glasgow, UK/ Ghana Split-site)	Associate Professor /Dean
Adjorlolo, G.	B.Sc. (UDS, Tamale, Gh), MPM. (UESTC, China)	Jnr. Assistant Registrar / Faculty Officer

Department Of Basic Veterinary Sciences

Staff

Name	Qualification	Rank/Position
Niayale, R.	BSc., MPhil., (UDS, Tamale, Gh), Ph.D. (GAU, Gansu, China)	Lecturer/Department Coordinator

Publications

Abdul-Rahman, I.I.

- Yuan, X., **Abdul-Rahman, I.I.**, Hu, S., Li, L., He, H., Xia, L., Hu, J., Ran, M., Liu, Y., Abdulai, M. et al. (2022). Mechanism of SCD Participation in Lipid Droplet-Mediated Steroidogenesis in Goose Granulosa Cells. *Genes*. Vol. 13, pp. 1516. <https://doi.org/10.3390/genes1309151>
- Abdul-Rahman, I.I.**, Robinson, J.E. (2022). Postembryonic changes in the histological structure of the oviduct, and associated 17 β -oestradiol profiles in female guinea hens (*Numida meleagris*). *Canadian Journal of Veterinary Research*. <https://doi.org/10.1139/cjas-2022-0010>
- Abdul-Rahman, I.I.**, Agombire, M. and Niayale, R. (2022). The influence of eroding Djallonke genotype on the incidence of diseases and mortalities in Sahalian X Djallonke cross-bred sheep. *Tropical Animal Health and Production*. Vol. 54, No. 78. <https://doi.org/10.1007/s11250-022-03085-y>
- Addah, W., Adda, K. J., Addah, W., **Abdul-Rahman, I.I.**, Abdul Rahman, N., Kizito, F. (2022) Feeding stripped maize leaves to sheep improves their growth performance and school attendance among rural boys: a case of crop-livestock integration among smallholder farmers in northern Ghana. *Livestock Research for Rural Development*. Vol. 34, No. 53.
- Abdul-Rahman, I.I.**, Jeffcoate, I. A. (2021). Postembryonic developmental changes in ovarian histology and associated 17 β -oestradiol and progesterone profiles in guinea hens (*Numida meleagris*). *Canadian Journal of Animal Science*. <https://doi.org/10.1139/CJAS-2020-0195>

Research Interest

- Developing a sustainable future for guinea fowl farming in Ghana; tackling juvenile mortality through a multidisciplinary approach.

- Reproductive gross anatomy and histology of guinea fowls and associated hormonal profiles.
- Effect of endocrine disrupting chemicals on reproductive performance of livestock and poultry
- Breaking the seasonal breeding habits of animals.
- Improving the guinea fowl and livestock value chain.

Niayale, R.

- **Niayale, R.**, Cui, Y., Yu S.J., Liao, B., Honghong, H., Zhao P., Xu, H., Zhang J., Li, S., Zhang, Q. (2021). Expression of Rad51 and the histo-morphological evaluation of testis of the sterile male cattle-yak, *Theriogenology*, <https://doi.org/10.1016/j.theriogenology.2021.06.018>
- He, H., Zhang, H., Pan, Y., Zhang, T., Yang, S., Liu, M., **Niayale R.**, Wang, J., Zhao, T., Zhao, L. and Fan, J. (2021). Low oxygen concentration improves yak oocyte maturation and inhibits apoptosis through HIF-1 and VEGF. *Reproduction in Domestic Animals*.
- **Niayale, R.**, Addah, W., and Dei, H. (2021). The potential of false yam as livestock feed: A review. *Ghana Journal of Science, Technology and Development*. Vol. 7, No. 2, pp. 119-134. <https://doi.org/10.47881/266.967>
- Abdul-Rahman, I.I, Agombire, M.B., **Niaye, R.** (2022). The influence of eroding Djallonke genotype on the incidence of diseases and mortalities in Sahelian x Djallonke cross-bred sheep. *Tropical Animal Health and Production*. Vol. 54, No. 1, pp. 1-9.
- Li, Q., Zhao, T., He, H., **Niayale, R.**, Ding, T. et al. (2022). Ascorbic acid protects the toxic effects of aflatoxin B1 on yak oocyte maturation. *Animal Science Journal*. Vol. 93, No. 1, pp. e13702.

Research Interest

- Molecular evaluation of hybrid sterility in the cattle-yak hybrid
- Histo-morphological comparison of testis of cattle-yak and domestic cattle
- Reproductive regulation using concentration to oxygen to enhance yak oocyte maturation and inhibit apoptosis
- The potential of non-conventional feeds (false yam and cassava peels) as livestock feed

Department of Veterinary Clinical Sciences

Staff

Name	Qualification	Position
Agbolosu, A. A.	B.Sc. (UDS, Tamale, Gh), MPhil. & PhD (Ghana)	Senior Lecturer / HOD
Bagulo I.	B.Sc. (UDS, Tamale, Gh), M.Sc. (ITM, Antwerp, Belgium)	Assistant Lecturer

Publication

1. **Agbolosu, A. A.**, and Aawona, G. (2021). Health and Disease Management of Indigenous Ducks (*Anas Plathrynychus*) in the Tamale Metropolis, Northern Region. *Global Journal of Animal Scientific Research* 9 (2): 100-114.
2. **Agbolosu, A. A.** (2021). Genetic parameters of growth traits of indigenous Guinea fowls (*Numida meleagris galeatea*) from Northern Ghana. *Asian Journal of Research in Animal and Veterinary Sciences* 8 (4): 121-130.
3. **Agbolosu, A. A.**, Husein, S. M. A., Najat, I. and Naandam, J. (2021). Carcass Characteristics of Domestic Pigeon (*Columba Livia Domestica*) in the Northern Region of Ghana. *Ghana Journal of Science, Technology and Development* 7 (3): 64-74.

Issah, B.,

1. **Issah, B.**, Ansah, T. and Alagma, H. A. (2021). Awareness of zoonotic diseases among pet owners in Wa municipality of Ghana. *UDS International Journal of Development*, 7(2), 387-397. <https://doi.org/10.47740/497.UDSIJD6i>

Research Interest

1. Phenotypic characterization of Turkeys (*Meleagris gallopavo*) in northern Ghana.
2. Post-slaughter meat handling & preservation at the Tamale abattoir.
3. Dystocia: It's prevalence, causes, effects and management in the Bolgatanga Municipality
4. Impact of Covid-19 on pets and pet owners in Accra.

DAAD WEST AFRICAN CENTRE OF SUSTAINABLE RURAL TRANSFORMATION (WAC-SRT)

Staff

Name	Qualification	Rank/Position
Ayamga, M.	B.Sc.(UDS,Tamale,Gh), M.Phil., Ph.D. (Ghana)	Snr Lecturer/Director
Ansah, I.G.K.	B.Sc.(KNUST,Kumasi,Gh), MSc.PhD (WUR,Wageningen, The Netherlands)	Snr Lecturer /Coordinator

Publications

Ayamga, M.

- Awuni JA, Ayamga M, Dagunga G (2022) Covid-19 vaccination intensions among literate Ghanaians: Still the need to dissipate fear and build trust on vaccine efficacy? *PLoS ONE* 17(6): e0270742. <https://doi.org/10.1371/journal.pone.0270742>
- Abdul-Hanan Abdallah Michael **Ayamga** Joseph A. Awuni (2022) Impact of land grabbing on food security: evidence from Ghana Environment, Development and Sustainability <https://doi.org/10.1007/s10668-022-02294-7>

Ansah, I.G.K.

Ansah, I. G. K., Tampaa, F., and Tetteh, B. K. D. (2021). Farmers' control strategies against fall armyworm and determinants of implementation in two districts of the Upper West Region of Ghana. *International Journal of Pest Management*, 1-15.

WEST AFRICA CENTRE FOR WATER, IRRIGATION AND SUSTAINABLE AGRICULTURE (WACWISA)

The West African Center of Water, Irrigation and Sustainable Agriculture (WACWISA) was established in 2019 by the University for Development Studies (UDS) as semi-autonomous center of excellence to undertake cutting-edge research and training in irrigation, drainage, water resources management, sustainable agriculture, climate change and food and nutrition security.

WACWISA has as its vision “to be a leading world-class academic and research centre specialized in irrigation, water resources, sustainable agriculture and climate change” and, a mission of “developing skills and knowledge of young men and women to provide practical and sustainable solutions to challenges of water resources, irrigation, agricultural development and climate change in Africa.

With a tagline “Building Capacities for Sustainable Solutions”, WACWISA build’s capacities of trainees and graduate students through short courses, Masters, PhD and Post-Doctoral level programmes, as well as undertakes applied and advanced research and development of sustainable localized technologies in water resources, irrigation, climate change, sustainable agriculture and food and nutrition.

Our training and research programmes are enhanced through established partnerships with research institutions and industry partners within Ghana, Africa and globally. The training system emphasizes quality and capacity building for students and places premium on practical skills and solution to industry programmes.

WACWISA is funded by Government of Ghana and the World Bank, under the African Centres of Excellence Impact (ACE Impact) initiative and it also collaborates with other funding agencies to explore new and emerging avenues to advance the frontiers of knowledge.

Core Team Members

Name	Qualification	Rank/Position
<i>Abagale, F. K.</i>	BSc (UDS, Tamale, Gh), MSc., PhD (KNUST, Kumasi, Gh.)	<i>Professor/Director</i>
<i>Kranjac-Berisavljevic', G.</i>	BSc. (Belgrade, Yugoslavia), MSc. (Bari, Italy), D. Litt (St. C1), PhD (Ghana)	<i>Professor/Deputy Director</i>
<i>Shaibu, A. G.</i>	BSc. (UDS, Tamale, Gh), MSc., PhD (KNUST Kumasi, Gh)	<i>Assoc. Prof./Academic Programmes Coordinator</i>
<i>Cobbina, S. J.</i>	BSc. (UCC, Cape Coast, Gh.), MPhil. (Ghana), PhD (JU, Jiangsu, China)	<i>Assoc. Prof./Industrial Liaison Coordinator</i>
<i>Dittoh, J. S.</i>	BSc., MSc. PhD (Ibadan, Nigeria)	<i>Assoc. Prof./Grants Coordinator</i>
<i>Dzomeku, I. K.</i>	BSc., (Ghana), P. Grad. Dip. (Norway), MSc. (Amadu-Bello, Nigeria), PhD (Reading, UK)	<i>Professor/Research Team Leader</i>
<i>Ayambila, S. N.</i>	BSc. (UDS, Tamale, Gh.), MPhil, PhD (Ghana)	<i>Snr. Lecturer/Applied Research Coordinator</i>
<i>Akudugu, M. A.</i>	BSc. (UDS, Tamale, Gh.), MPhil. (Ghana), PhD (Reading, UK)	<i>Assoc. Prof./M&E Coordinator</i>
<i>Abubakari, A. H.</i>	BSc (UDS, Tamale, Gh.), MSc. (London, UK), PhD (KNUST, Kumasi, Gh)	<i>Assoc. Prof./Research Team Leader</i>
<i>Doke, D. A.</i>	BA. (UDS, Tamale, Gh) MPhil. (Ghana), PhD (UAB, AI, USA)	<i>Snr. Lecturer/Safeguards Officer</i>
<i>Baatuuwie, B. N.</i>	BSc. (UDS, Tamale Gh.) MSc. (KNUST/ITC, Kumasi, Gh/Enshede, The Netherlands) PhD. (KNUST, Kumasi, Gh.)	<i>Snr. Lecturer/Research Team Leader</i>
<i>Kasei, R. A.</i>	BSc. MPhil. (Ghana), PhD (Bonn, Germany)	<i>Assoc. Prof./Research Team Leader</i>
<i>Shaibu, M. H</i>	BCom (UCC, Cape Coast, Gh), MBA, ICA (Ghana), PhD (UDS Tamale, Gh.)	<i>Director of Finance/Finance Coordinator</i>
<i>Duke, F. A.</i>	BSc. (Ghana), MSc. (Coventry, UK), MCIPS (UK)	<i>Director of Procurement/Procurement Coordinator</i>
<i>Iddrisu, M.</i>	BCom (UCC, Cape Coast, Gh), ICA (Ghana), CEMBA (KNUST, Kumasi, Gh),	<i>Snr. Accountant /Accounts Officer</i>
<i>Alando, B.</i>	HND., BA., (UCC, Cape Coast, Gh), MSc., (UDS, Gh) ChPA, CMC (Ghana)	<i>Assistant Registrar/Administrative Coord.</i>
<i>Klu, A. T.</i>	BA, MPhil (UDS, Tamale, Gh)	<i>Communications Officer</i>
<i>Adongo, T. A.</i>	BSc. MPhil (UDS, Tamale, Gh) PhD (KNUST, Kumasi, Gh)	<i>Lecturer/Team Member</i>
<i>Kwoyiga, L.</i>	BSc. MPhil (UDS, Tamale, Gh) PhD	<i>Snr. Lecturer/Research Team Member</i>
<i>Mustapha, S.</i>	BSc. MPhil (UDS, Tamale, Gh) PhD	<i>Snr. Lecturer/Research Team Member</i>
<i>Osei, A. R.</i>	BSc. MPhil (UDS, Tamale, Gh)	<i>Lecturer/Research Team Member</i>

Student Enrolment

Programme	Male	Female	Total
B.Sc.	NA	NA	NA
B.Sc.	NA	NA	NA
M.Phil./M.Sc. Irrigation and Drainage Engineering	44	7	51
M.Phil./M.Sc. Environmental Management and Sustainability	24	9	33
M.Phil./M.Sc. Biotechnology and Molecular Biology	1	0	1
M.Phil./M.Sc. Agricultural Economics	3	1	4
PhD Irrigation and Drainage Engineering	32	8	40
PhD Environmental Management and Sustainability	34	8	42
PhD Biotechnology and Molecular Biology	1	0	1
PhD Agricultural Economics	2	0	2
Grand Total	141	33	174

Publications

1. **Adongo, T. A, Abagale, F.K** and Agyare, W. A. (2021). Modelling and forecasting reservoir sedimentation of irrigation dams in the Guinea Savannah Ecological Zone of Ghana. *Water Practice & Technology*. Vol 16 No 4, 1355. doi: 10.2166/wpt.2021.073.
2. Bwambale, E., **Abagale, F.K.** Anornu, G.K (2022). Data-driven model predictive control for precision irrigation management. *Smart Agricultural Technology*. <https://doi.org/10.1016/j.atech.2022.100074>.
3. Bwambale, E., **Abagale, F.K.** Anornu (2021). Smart irrigation monitoring and control strategies for improving water use efficiency in precision agriculture: A review. *Smart Agricultural Technology*. <https://doi.org/10.1016/j.agwat.2021.107324>.
4. Orkodjo, T.P., Kranjac-Berisavijevic, G., **Abagale, F.K.** (2022). Impact of climate change on future precipitation amounts, seasonal distribution, and streamflow in the Omo-Gibe basin, Ethiopia. *Heliyon*. <https://doi.org/10.1016/j.heliyon.2022.e09711>.
5. **Abagale, F.K, Adongo, T. A** (2022). Physicochemical quality of reservoir sediment in irrigation dams of Northern Ghana. "Lakes & Reservoirs: Research & Management ". <https://doi.org/10.1111/lre.12404>.
6. Baddianaah, I., **Baatuwuwie, B. N.**, Adongo, R. (2022). Geospatial characterisation and distribution of Illegal gold mining (galamsey) operations in Upper West Region, Ghana. *GeoJournal*. <https://doi.org/10.1007/s10708-022-10642-3>.
7. Baddianaah, I., **Baatuwuwie, B. N.**, Adongo, R (2022). The outbreak of artisanal and small-scale gold mining (galamsey) operations in Ghana: Institutions, politics, winners and losers. *Journal of Degraded and Mining Lands Management*. doi:10.15243/jdmlm.2022.093.3487.
8. Baaweh, L., Baddianaah, I., **Baatuwuwie, B.N.** (2022). Traditional Knowledge and Practices in Natural Resource Conservation: A Study of the Zukpiri Community Resource Management Area, Ghana. *International Journal of Rural Management*. DOI: 10.1177/09730052221087020.
9. Baddianaah, I., Baatuwuwie, **B. N.**, Adongo, R. (2022). Socio-demographic factors affecting artisanal and small-scale mining (galamsey) operations in Ghana. *Heliyon*. <https://doi.org/10.1016/j.heliyon.2022.e09039>.

10. Salifu, A., **Abagale, F.K., Kranjac-Berisavljevic, G.** (2021). Estimation of Infiltration Models' Parameters Using Regression Analysis in Irrigation Fields of Northern Ghana. *Open Journal of Soil Science*. DOI: 10.4236/ojss.2021.113009.
11. Gbangou, T., Slobbe, E.V., Ludwig, F., **Kranjac-Berisavljevic, G.**, and Paparrizos, S. (2021). Harnessing Local Forecasting Knowledge on Weather and Climate in Ghana: Documentation, Skills, and Integration with Scientific Forecasting Knowledge. *Weather, Climate, and Society*. <https://doi.org/10.1175/WCAS-D-20-0012.1>.
12. Amuna, D.N., Imoro, Z.A., **Cobbina, S.J.**, Ofori, S.A. (2021). Waste management practices of construction companies at the airport hills and Sakumono areas in Accra, Ghana. *Rwanda Journal of Engineering, Science, Technology and Environment*. DOI:10.4314/rjeste.v4i1.14.
13. Nti, E.K., Cobbina, **S.J.**, Attafuah, E.E., Opoku, E., Gyan, M.A (2022). Environmental sustainability technologies in biodiversity, energy, transportation and water management using artificial intelligence: A systematic review. *Sustainable Futures*. <https://doi.org/10.1016/j.sftr.2022.100068>.
14. Akyeampong, E., Bend, J. R., Luginaah, I., Yawson, D.O., **Cobbina, S.J.**, Armah, F. A Adu, M.O, Essumang, D.K., Iddi, S., Botwe, P.K., Quansah, R. (2022). Urinary Pesticide Residual Levels and Acute Respiratory Infections in Children Under 5 Years of Age: Findings from the Offinso North Farm Health Study. *Environ Health Insights*. doi: 10.1177/11786302221094418.
15. Ballu, D.A., **Abubakari Abdul-Halim, A.**, Quainoo, A., Yakubu, A. (2021). Chemical characteristics of groundnut and sheanut shell biochars as adsorbents and soil conditioners in the era of ecological sustainability. *Journal of Biological Research & Biotechnology*. <https://dx.doi.org/10.4314/br.v20i1.7>.
16. Baddianaah, I., **Baatuwue, B. N.**, Adongo, R., Amadu, Y., Abakari, G., (2021). Properties of biochar and its potential role in climate change mitigation and bioenergy generation: a review. *Environmental Sustainability*. <https://doi.org/10.1007/s42398-021-00205-6>.
17. Wilby, I. R., **Kasei, R.A**, Gough, V.K, Amankwaa, F.E., Abarike, M., Anderson, J. N., Codjoe, A. N. S., Griffiths, P., Kaba, C., Abdullah, K., Kayaga, S., Matthews, T., Mensah, P., Murphy, C. and Yankson, K. W. P. (2021). Monitoring and moderating extreme indoor temperatures in low-income urban communities. *Environmental Research Letters*. <https://iopscience.iop.org/article/10.1088/1748-9326/abdbf2/pdf>.
18. Ngongondo, C., Dalitso K., M., Monjerezi, M., Chipungu, F., **Kasei, R.A**, Malidadi, C. (2021). Exploring Linkages Between Indigenous Knowledge Systems and Conventional Flood Forecasting in the Aftermath of Tropical Cyclone Idai in Chikwawa, Malawi. *Sustainable Development Goals Series*. https://doi.org/10.1007/978-3-030-74262-1_14.
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Summary of Activities in 2021/2022

The following are some notable activities undertaken by WACWISA during the 2021/2022 academic year.

Students Enrolment

Currently, WACWISA has a total of five cohorts of students, with two cohorts of students recruited in 2021 and 2022. With a combined population of 174, the students are made up of 141 males and 33 females, from twenty-six (26) African countries including, Benin, Cameroon, Ethiopia, Ghana, Mali, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Togo, Uganda, Liberia etc., at the Masters and PhD levels.

International Conference on Irrigation and Agricultural Development (IRAD, 2022)

In February 2022, WACWISA-UDS organised the 3rd International Conference on Irrigation and Agricultural Development (IRAD 2022) under the theme “Mining, Water Resources

Management and Environmental Sustainability in Africa: Opportunities and Challenges". The conference was held on the 22nd and 23rd of February 2022, and brought together Practitioners, Academics, Researchers, Policy-Makers, Civil Society, Community/Traditional Leaders, Agricultural Extension Agents. A communique issued at the end of the conference called for increased government attention and investment in sustainable management of water resources in Ghana.

WACWISA-UDS and UNIDO Partnership

During the period, WACWISA-UDS collaborated with the United Nations Industrial Development Organization (UNIDO) to implement a project titled *"Shea butter processing in Northern Ghana – Analysis of Linkages between Processing Procedures, Occupational-Related Health Hazards and Products Quality"*. Implementation of this partnership agreement was consistent with the 2030 Agenda for Sustainable Development, which forms the global development framework anchored around the Sustainable Development Goals (SDGs) and contained particularly in SDG 1, 2, 3, 5, 7, 9, 10, 12, 15 and 17. Also strongly related to this, is the Africa Union Agenda 2063 as espoused in aspiration 1, 6 and 7 as well as the National Export Strategy for Non-Traditional Sector of the Ministry of Trade and Industry, of Ghana, which also noted the importance of Shea butter as an important and priority product.

Training of Bankers and Credit Officers in Solar Powered Irrigation Systems (SPIS)

WACWISA-UDS in collaboration with GIZ-Green People's Energy Project organized a 3-day capacity development and curriculum training in solar powered irrigation systems for Community and Rural Banks in the Northern Region of Ghana. The project forms part of a Memorandum of Understanding (MoU) between WACWISA-UDS and GIZ-Green People's Energy, on capacity development and curriculum training in Solar Powered Irrigation Systems (SPIS) in Northern Ghana. The project is being implemented in the five (5) regions of the north of Ghana namely; Northern, North East, Savannah, Upper East and Upper West regions. The Green People's Energy Project (GPE) was been commissioned by the German Federal Ministry of Economic Cooperation and Development (BMZ) with the German Agency for International Cooperation (GIZ) and the Ministry of Energy of Ghana jointly implementing the project. The main objective of the project is to improve the conditions for supplying rural regions in selected African countries, including Ghana, with decentralized renewable energy. Green People's Energy project promotes the use of solar technologies in agriculture and for the electrification of social institutions in rural areas.

Collaboration Agreement between WACWISA-UDS and National Water Institute of the University of Abomey Calavi of Benin

A delegation led by the Coordinator of the National Water Institute of the University of Abomey Calavi (C2EA-INE) in Benin paid a two-day working visit to the West African

Centre for Water, Irrigation and Sustainable Agriculture of the University for Development Studies (WACWISA-UDS). The mission of the delegation was to explore common interest for collaboration through interaction with the management, staff and students of WACWISA-UDS. At the end of the visit WACWISA-UDS and C2EA-INE agreed to collaborate in areas such as students' exchange visits/internships, language training programmes, joint online/physical/ blended professional short-term courses, staff and students' mobility/exchanges/ co-teaching/ co-supervision, sharing of laboratory facilities, co-research and grant applications/ publications, joint student degree programmes and joint scientific conferences, workshops and seminars.

Signing of an Agreement to Collaborate between WACWISA-UDS and three African Centers of Excellence in Kenya

The Director of WACWISA-UDS, on behalf of the Vice Chancellor of the UDS, signed an Agreement to Collaborate with a High-Powered delegation from Kenya. The delegation comprised of Vice-Chancellors from the Moi University, the Jaramogi Odinga Odunga University of Science and Technology, and the Egerton University, along with the leadership of the respective African Centres of Excellence in these universities. The expectation is that when the Memoranda of Understanding (MoUs) are signed, it will further deepen the collaboration between the four universities and will provide the framework to further explore the development of joint research activities, facilitation of university staff exchanges, training and development of students, student exchange and/or visiting programmes, exchange of information, research collaboration in areas of mutual interest and any other activities viewed to be mutually beneficial.

WACWISA-UDS CRES Project Scholarship Students Undergo Technical Training in Drone Operations

Masters and PhD students under the Climate Resilience of Ecosystems Services (CRES) project scholarship, which is funded by the Danida Fellowship Centre, underwent a technical training on how to use drones in field data collection. The training was undertaken in partnership with the Aarhus University (AU), led by Peter Dr. Borgen Sørensen (Senior Researcher) as the training instructor with support from Dr. Bernard N. Baatuuwue (Senior lecturer) of WACWISA-UDS. The students were taken through drone assemblage, preflight checks, flying in manual mode, flying planned flight missions, downloading and processing data, introduction to concepts of image processing and computer vision. The Project is currently supporting ten (10) Masters and PhD students.

KAZUHIKO TAKEUCHI CENTRE FOR SUSTAINABILITY AND RESILIENCE (KTCSR)

The Kazuhiko Takeuchi Centre for Sustainability and Resilience (KTCSR) was established in 2016 and is located at the University for Development Studies, Nyankpala Campus. Its mandate is to promote sustainability science, resilience and ecosystem research and education through trans-disciplinary approaches and capacity building against climate and ecosystem deterioration, locally and internationally, within the African region.

The KTCSR at the University for Development Studies, Tamale, is a spinoff from the research gains of the Climate and Ecosystem Change Adaptation and Resilience (CECAR) Africa project. The Centre also undertakes policy driven research on Sustainable Development Goals and capacity development (i.e. through training and short courses) tailored to the human resource needs of the African continent. In this regard, KTCSR has its visions “as a Centre of Excellence in research and education in sustainability and resilience to climate and ecosystem changes in Africa”.

Core Team Members

Name	Qualification	Rank/Position
<i>Alhassan, H.</i>	<i>B.Sc. (KNUST, Kumasi, Gh), PG Dip. Ed. (UDS, Tamale, Gh), M.Phil., Ph.D. (Ghana)</i>	<i>Associate Professor /Director</i>
<i>Kranjac-Berisavljevic', G</i>	<i>B.Sc. (Belgrade, Yugoslavia), M.Sc. (Bari, Italy), D. Litt (St. C1) Ph.D. (Ghana)</i>	<i>Professor/Adj. Researcher</i>
<i>Abagale, F.K</i>	<i>B.Sc. (UDS, Tamale, Gh), M.Sc., Ph.D. (KNUST, Kumasi, Gh)</i>	<i>Professor/ Adj. Researcher</i>
<i>Donkoh, S.A</i>	<i>B.A., Dip. Ed, M.Phil. (UCC, Cape Coast, Gh), Ph.D. (Reading, UK)</i>	<i>Professor/ Adj. Researcher</i>
<i>Obeng, K.F.</i>	<i>B.Sc., M.Phil. (UCC, Cape Coast, Gh), Ph.D. (Wageningen, Netherlands)</i>	<i>Associate Professor/ Adj. Researcher</i>
<i>Shaibu, A.G.</i>	<i>B.Sc. (UDS, Tamale, Gh), M.Sc., Ph.D. (KNUST, Kumasi, Gh)</i>	<i>Professor/ Adj. Researcher</i>
<i>Doke, D.A.</i>	<i>B.A. (UDS, Tamale, Gh), M.Phil. (Ghana), Ph.D. (UAB, AI, USA)</i>	<i>Snr. Lecturer/ Adj. Research</i>
<i>Kwoyiga, L</i>	<i>B.A. (UDS, Tamale, Gh), M.Sc. (As, Norway), M.Phil. (Oslo, Norway), Ph.D. (Dresden, Germany)</i>	<i>Snr. Lecturer/ Adj. Researcher</i>
<i>Gandaa, B.Z.</i>	<i>B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana), Ph.D. (UDS, Tamale, Gh)</i>	<i>Lecturer/ Adj. Researcher</i>
<i>Lolig, V.</i>	<i>B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana)</i>	<i>Lecturer/ Adj. Researcher</i>
<i>Amoako, E. E.</i>	<i>B.Sc. (UDS, Tamale Gh), M.Sc. (KNUST, Kumasi, Gh)</i>	<i>Snr Lecturer/ Adj. Researcher</i>
<i>Ofori, G.A</i>	<i>HND (TaTU, Tamale, Gh), B.MS., MA., (Cape Coast, Gh), ChPA, CMC (Ghana)</i>	<i>Jnr. Assistant Registrar/ Admin. Coordinator</i>

2021/2022 Activities

The following are the activities undertaken by KTCSR during the 2021/2022 academic year.

KTCSR Sustainability Webinar

The centre organized its Maiden KTCSR Sustainability webinar. The speaker was a researcher from the University of Brescia, Italy. He presented on the topic “Solid waste safety plan- Case studies presentation”, held virtually on 24th August, 2022.

Participation in the XI International Summer School, in Brescia, Italy.

The Director of KTCSR, participated in the XI International Summer School organized by the Research Center for Appropriate Technologies for Environmental Management in Resource-Limited Countries (CeTAmb), University of Brescia, Brescia, Italy. The XI International Summer School was on the theme, “Appropriate Technologies for Sustainable Development: A Focus on Low and Middle Income Countries”. The Director made a presentation on the topic, ‘Solid Waste Management in Ghana: The Way Forward’, where she shared the Ghanaian context on the issue of solid waste management. This was held from 20th to 24th June, 2022 at the University of Brescia, DICATEM, Italy.

Kazuhiko Takeuchi Centre for Sustainability and Resilience (KTCSR) received and hosted Italian researchers

Three (3) Italian researchers made presentations on sustainable livelihoods, solid waste and environmental management to students and staff of the Faculty of Natural Resources and Environment (FNRE) at the 14th Colloquium, which was organized by the Faculty of Natural Resources and Environment in collaboration with Kazuhiko Takeuchi Centre for Sustainability and Resilience, University for Development Studies. The researchers are from University of Brescia, Italy; and the Cooperation International South South (CISS), an Italian NGO. This was held on 17th May, 2022 at LT2 Library Block, Nyankpala Campus, University for Development Studies, Ghana.

Fact finding mission in flood prone areas in northern Ghana

KTCSR undertook a fact finding mission in Pwalugu in the Talensi District of the Upper East Region and Kpasenkpe in the West Mamprusi Municipality of the North East Region. The aim was to co-produce knowledge that incorporates indigenous practices into scientific flood knowledge and management practices for effective flood adaptation and preparedness. The information acquired will be used to build the capacity of farmers in other flood-prone areas which will enhance their resilience to flood. This activity was from 22nd to 23rd April, 2022.

WASH Club UDS- Nyankpala Chapter collaborated with KTCSR to celebrate World Water Day

WASH Club UDS - Nyankpala Chapter in Collaboration with Kazuhiko Takeuchi Centre for Sustainability and Resilience (KTCSR) celebrated the World Water Day by organising a sensitisation programme on water conservation at the UDS basic school. This was held on 22nd March, 2022.

Workshop under the sub-theme Floods, Livelihood and Migration in Northern Ghana.

The Kazuhiko Takeuchi Centre for Sustainability and Resilience (KTCSR) at the University for Development Studies (UDS) in collaboration with the Friedrich-Ebert Stiftung Ghana Office of Economic Policy Competence Centre (FES-EPCC) and the Youth Advocacy on Rights and Opportunities (YARO) held a one-day Workshop at the Climate Change and Migration Conference in the Savanna Region. The workshop brought together stakeholders from different fields to discuss the issues of climate change and its effects on livelihoods. This was held on 27th November, 2021.

Erasmus+ Exchange Program, Utrecht University and UDS

A student from the University for Development studies represented the University in the MSc International Development Studies program at the Utrecht University, Netherlands, under the Erasmus+ Exchange Program from September 2021 to January, 2022. This arrangement was done through collaboration between KTCSR and the Directorate of International Relations and Advancement (DIRA), University for Development Studies.