



UNIVERSITY FOR DEVELOPMENT STUDIES (UDS)



VICE - CHANCELLOR'S REPORT

November, 2019

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Foreword

The University for Development Studies remains a key player in higher education delivery both locally and internationally. Since the beginning of academic work 25 years ago, the UDS has sought to attain excellence through the implementation of a unique pedagogy which reinforces the original mandate of the University as prescribed by PNDCL 279 to **“blend academic work with that of the community for the development of Northern Ghana in particular and the country as a whole”**

Consequent to this mandate, a number of demand-driven undergraduate and post graduate programmes, new faculties and schools, research institutes and centres of excellence have been developed and established.

In our resolve to further boost learning, teaching and research, UDS in collaboration with some development partners established the West Africa Centre for Water, Irrigation and Sustainable Agriculture (WACWISA) situated on the Nyankpala Campus and the West Africa Centre for Sustainable Rural Transformation (WAC-SRT) located at the Wa campus of UDS. The University also established a Business Innovation and Incubation Centre (BIIC) to assist students, staff and the general public to unearth their entrepreneurial potentials, and a Directorate of Colleges of Education (CoEs) Affiliation, to deal with matters arising out of the Memorandum of Understanding, signed with affiliate Colleges of Education as well as the oversee implementation of the new B.Ed programme.

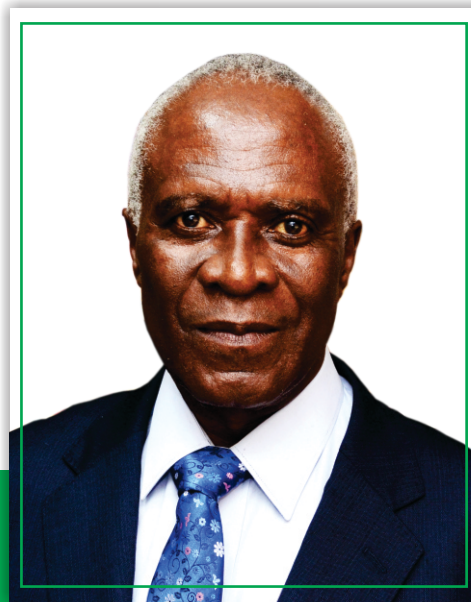
During the period under review, the UDS marked its Silver Jubilee under the theme **“UDS @ 25: Impact on National Development Through Practical Higher Education.”** Highlights of the Celebration included a crash helmet campaign championed by Management, an inter-schools quiz competition and a donation of medical supplies to selected health centres within the University's catchment area. Schools, Faculties and/ or Individuals who distinguished themselves during the period under review were celebrated. Notable among them were the School of Business and Law which was adjudged Best School for the 2018/2019 Academic year. Prof. Albert Quainoo and Prof. Israel K. Dzomeku also delivered their inaugural lectures in May 2019.

The 19th Congregation which was graced by the President of Ghana H. E. Nana Addo Dankwa Akufo Addo was held in November, 2018.

We owe our development partners and other strategic stakeholders a debt of gratitude for their invaluable contributions, but like the proverbial Oliver Twist, UDS will always knock on your doors for more.

Prof. G. A. Teye
(Vice-Chancellor)

Principal Officers



Nutifafa Kuenyehia, Esq., OOV
CHAIRMAN, UDS COUNCIL



Prof. Gabriel A. Teye
VICE-CHANCELLOR



Prof. Seidu Al-hassan
PRO-VICE-CHANCELLOR



Dr. A. B. T. Zakariah
REGISTRAR

Members of the UDS Governing Council

Chairman of Governing Council

Nutifafa Kuenyehia, Esq., OOV
LLB (Hons.), BL (Ghana), MCI Arb

Vice-Chancellor

Prof. Gabriel A. Teye
B.Sc., M.Sc. (KNUST, Kumasi, Gh),
Ph.D (Bristol, UK)

Government Nominees

Mrs. Joyce Agyeman Attafuah
B.A., Dip. Edu (UCC, Cape Coast, Gh),
B.L (Ghana)

Prof. Ismail Bin Yahya
B.Sc., M.Ag.Ed (Clemenson, USA),
Ph.D (Louisiana, USA)

Dr. Francis Boateng Agyenim
B.Sc. (KNUST, Kumasi, Gh), M.Sc.
(Offenburg, Germany), Ph.D (Ulster, UK).

NCTE Representative

Dr. Kareem Mumuni
Cert. FRMRS, Cert. GYNONC (Germany),
B.Sc., MBchB (KNUST, Kumasi, Gh) MPH
(Ghana), FWACS, FGCS. (Ghana).

Convocation Representatives

Professorial

Prof. Sowley, E. N. K
B.Sc. Dip. Ed (UCC, Cape Coast, Gh),
M.Phil. (Ghana), Ph.D. (Reading, UK)

Non-Professorial

Dr. Abizari, A. R.
B.Sc. (UDS, Tamale, Gh), M.Sc., Ph.D
(Wageningen, Netherlands)

UTAG Representative

Prof. Addah Weseh
B.Sc., (UDS, Tamale, Gh), M.Sc. (KNUST,
Kumasi, Gh), Ph.D. (Alberta, Canada).

CHASS Representative

Mr. Suaib Wilberforce Adam
B.A., Dip.Edu, M.Ed. (UCC, Cape Coast, Gh)

TEWU Representative

Sulemana A. Rahman
MVT Part 1 (Accra)

Alumni Representative

Ing. Prof. Felix Kofi Abagale
B. Sc. (UDS, Tamale, Gh), M. Sc., Ph.D
(KNUST, Kumasi, Gh)

GRASAG Representative

Mr. Zakaria Abubakari Sadiq
M.Ed., M.Ed. (UEW. Winneba, Gh.),
MBA (PGSM)

SRC Representative

Mr. Dagungong Clement Binwatin

In attendance

Pro-Vice-Chancellor

Prof. Seidu Al-hassan
B.A., Dip.Edu (UCC, Cape Coast, Gh),
M.phil, P.hD. (Ghana).

Registrar/Secretary

Dr. A. B. T. Zakariah
B.A., Dip. Ed, (UCC, Cape Coast, Gh),
Grad. Dip, (Ghana), M.Sc. (Uni.of Putra,
Malaysia), Ph.D (Leicester, UK)

Director of Finance

Mr. Mohammed Hardi Shaibu
B. Com., MBA, ICA (Ghana)

Director, Works and Physical Development

Ing. Samuel B. Abiko
B. Eng, M.Sc, MBA (London, UK),
MCIBSE, MIET, MGhIE CEng.

Deputy Registrar/Recorder

Mr. George Debie
B. A. (Ghana) Grad. Dip Journ & Comm.
(Ghana), Cert. Mktg (CIM, UK)

Contact Information

Office of the Registrar

University for Development Studies
Post office Box TL 1350
Tamale N/R
Ghana

Telephone(s)

(+233-3720) 22078, 26633, 26634, 94930

Fax: (+233-3720) 22080

Website: www.uds.edu.gh

Email: registrar@uds.edu.gh

Accra Office

PMB CT 346
Cantonments, Accra
Telephone: + 233-302-786300
Fax: 233-(0) 302-786300

London Office

321 City Road
EC1v 1LJ, UK
Telephone: +44(0)2072787413

Central Administration



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Administrative
Offices



- Office of the Vice-Chancellor
- Office of the Registrar
- Governing Council Secretariat
- Academic and Students' Affairs Office
- University Relations Section
- General Administration
- Training and Development
- Accra Office
- Welfare Unit
- University Library
- Procurement Directorate
- Internal Audit Directorate
- Finance Directorate
- Works and Physical Development Directorate
- Estates Directorate
- Directorate of Academic Planning and Quality Assurance
- Directorate of International Relations and Advancement (DIRA)
- Office of the Dean of Students' Affairs
- Third Trimester Field Practical Programme Directorate
- ICT Directorate



OFFICE OF THE VICE-CHANCELLOR

The Office of the Vice-Chancellor comprises the Secretariat of the Vice-Chancellor and the Pro-Vice-Chancellor.

Staff

Name	Qualification	Rank/Position
<i>Teye, G. A.</i>	<i>B.Sc., M.Sc. (KNUST, Kumasi, Gh), Ph.D. (Bristol, UK)</i>	<i>Vice-Chancellor</i>
<i>Al-hassan, S.</i>	<i>B.A., Dip.Ed. (UCC, Cape Coast, Gh), M.Phil., PhD. (Ghana)</i>	<i>Pro-Vice Chancellor</i>
<i>Abilla-Buame, J.</i>	<i>B.A. (UDS, Tamale, Gh), MBA. (KNUST, Kumasi, Gh), IHRMP (Accra, Gh)</i>	<i>Assistant Registrar</i>
<i>Yakubu, R.</i>	<i>HND (UCC, Cape Coast, Gh), M.A. (Bradford, UK)</i>	<i>Assistant Registrar</i>

Activities, Meetings and Interactions

- *October, 2018:* Matriculation of 2018/2019 academic year students.
- *November, 2018:* 19th Congregation of students of the (Tamale and Nyankpala), Wa and Navrongo Campuses.
- *March, 2019:* Launch of Business Innovations and Incubation Centre.
- *April, 2019:* Congregation of Postgraduate Students.
- *June, 2019:* Convocation meeting held at the (Tamale and Nyankpala), Navrongo and Wa Campuses.
- *June 2019:* Senior and Junior Staff Durbar at (Tamale and Nyankpala), Navrongo and Wa Campuses.
- *June, 2019:* Orientation of Level 100 students of the University for the Third Trimester Field Practical Programme (TTFPP).
- *July, 2019:* Matriculation of 2019/2020 academic year fresh Graduate Sandwich Students.

Memorandum of Understanding (M.O.U)

- *August, 2018:* UDS signed an agreement with National Board for Small Scale Industries (NBSSI). The aim of the Agreement is for NBSSI to collaborate with UDS to submit an application to the Strengthening Higher Agricultural Education for Agri-Food Transformation in Africa (SHAFA), programme, under the auspices of the Government of Ghana and the World Bank Group (WBG) in collaboration with the Regional Universities Forum for Capacity Building in Agriculture (RUFORUM).
- *August, 2018:* UDS signed a contract with Council for Scientific and Industrial Research (CSIR): A long-term EU-Africa research and innovation partnership on food and nutrition security and sustainable Agriculture (LEAP-AGRI). The partnership is aimed at research and innovation for food and nutrition security as well as sustainable agriculture, including aquaculture.

- *September, 2018:* UDS signed a Memorandum of Understanding (MOU) with Korea International Cooperation Agency, Ghana Office, to collaborate and share expertise in development, research and information. The purpose of the MOU is to establish a partnership between the Parties to share knowledge, expertise, facilitate academic collaboration/partnership and evaluate the performance of “Capacity Development of Farmer-based Cooperative (FBC)/Farmer-based Organization (FBO) in Northern Ghana”.
- *September, 2018:* UDS discussed the possibility of and generally agreeing in a Public Private Partnership (PPP) agreement with Manam Dental Hospital Limited, India, to establish a wholly commercial Dental Clinic in UDS to be jointly managed by the Parties.
- *October, 2018:* UDS signed an agreement with Shanghai Ocean University, China, to collaborate in the areas of academic staff exchange, exchange of graduate and/or undergraduate students, research, seminars and meetings, as well as, exchange of academic materials and information.
- *October, 2018:* UDS and Motor King (MK), Tamale, Ghana, signed an MOU to collaborate in the areas of technical expertise, research and knowledge sharing.
- *October, 2018:* UDS and Kukobila Nasia Farms Limited, Accra, Ghana, signed an MOU to collaborate in the areas of technical expertise, research, provision of laboratory and other extension support, and to also share knowledge gained from the collaboration.
- *October, 2018:* UDS signed an MOU with Gansu Agricultural University, China. The purpose of the MOU is to provide a record of the Parties’ interest in pursuing a mutually-beneficial cooperation which may yield specific agreements and/or Sub-MOU. The Parties entered into the agreement to achieve and improve their respective objectives for which the agreement was drawn.
- *November, 2018:* UDS signed an MOU with Commonwealth Scholarship Commission in the United Kingdom (UK), a non-departmental public body of the Department for International Development (DFID), London, UK, for the nomination of individuals for Commonwealth Scholarships. The Parties assert their intention to implement the obligations set out in the MOU in a spirit of cooperation, and to seek to maintain consultation and consensus which will allow emerging issues to be resolved amicably.
- *December, 2018:* UDS signed an MOU with Appalachian State University, Boone, United States of America, to cooperate in the promotion of teaching and research activities subject to entering into a separate legal agreement where applicable. The areas of collaboration may include the establishment of short-term education programs abroad, reciprocal exchange of staff, joint academic programs, research projects, professional faculty and staff development activities; and other activities as mutually agreed.

- *December, 2018:* UDS and The Hague University of Applied Sciences, Netherlands, signed an MOU to provide a record of the Parties’ interest in pursuing a mutually-beneficial cooperation which may yield specific agreements and/or Sub-MOU. The aim of the agreement is for the achievement and improvement of their respective objectives for which purpose the document was drawn. The Parties are to collaborate in the areas of training/research work of post-graduate students, holding of relevant courses, development of new relevant programmes, mutual advice or advice to third parties, exchange of teaching and research personnel, and also to explore ways to advance research and learning innovations between the two Institutions.
- *December, 2018:* UDS and University of Arizona, Tucson, United States of America, signed an MOU to collaborate on projects and activities which support the mission of each institution, particularly, those relating to development studies. The Parties would seek to collaborate in areas of research, student exchange and develop training workshops.
- *January, 2019:* UDS signed an agreement with the Mandela Institute for Development Studies, South Africa, to provide scholarships on programme aimed at producing future African leaders who will be knowledgeable and comfortable with the African continent and beyond.
- *February, 2019:* UDS and Universidad Complutense of Madrid, Spain, extended an agreement signed in 2012, for a further five-year to maintain their scientific cooperation in the exchange of research personnel and students, and the development of joint scientific research.
- *February, 2019:* UDS and PXL University of Applied Sciences and Arts Hasselt, Belgium, signed an MOU with a mutual desire to cooperate in educational and research activities. The aim of the MOU is to also strengthen the bonds between the two institutions. The areas of collaboration includes the promotion of internationalization of education and exchange of knowledge specifically focused on healthcare education. These areas include exchange of Faculty and School members and students on a reciprocal basis, teaching and learning, curriculum development, services to the community and research, joint application for external project funding and strengthening of existing projects, as well as, exchange of academic material, publications and other information.
- *April, 2019:* UDS and the University of Louisville, United States of America, signed an MOU to pursue a mutually beneficial collaboration for the purpose of education, cooperation, and research activities to promote Faculty, student and pragmatic projects and exchanges between the two Institutions.
- *July, 2019:* UDS and Botswana Accountancy College, Botswana, signed an MOU to establish a mutual cooperation. The agreement is also aimed at facilitating professional training and education to foster and nurture the youth.

- *July, 2019:* UDS and AAFT University of Media and Arts, Raipur, Chhattisgarh, signed an MOU to establish a mutual cooperation between both parties. The agreement is also aimed at facilitating professional training and education to foster and nurture the youth.
- *July, 2019:* UDS and Epic Bible College and Graduate School California, USA, signed an MOU to establish a mutual cooperation. The agreement is also aimed at facilitate professional training and education to foster and nurture the youth.
- *July, 2019:* UDS and Savannah Zone Agricultural Productivity Improvement PROJECT (SAPIP) signed an MOU to support the production of foundation seed for maize production. The parties would compile quarterly and annual reports on activities carried out for submission to the PCMU, and to prepare Annual Work Plan and Budget for submission to Project Management Unit (PCMU).
- *July, 2019:* UDS signed an MOU with African Studies Centre at Boston University (ASC) to cooperate in areas of teaching, research, students and staff exchange programmes for the benefit of both institutions.
- *July, 2019:* UDS signed an MOU with Copperbelt University, Zambia to establish a mutual cooperation. The aim of the agreement is also to facilitate professional training and education to foster and nurture the youth.
- *July, 2019:* UDS and SUSEONG University in South Korea signed an agreement to promote academic and cultural cooperation, personal and intra exchanges between the two institutions. The purpose of the agreement is to cultivate prospective global leaders from both educational institutions through the cooperation.
- *July, 2019:* UDS signed an MOU with International Youth Fellowship, Korea, to establish a mutual cooperation. The agreement is also aimed at facilitating professional training and education to foster and nurture the youth. The areas of collaboration include student exchange, internship and training programme, Faculty and staff exchange programme and sharing of academic materials and other relevant information.
- *July, 2019:* UDS signed an MOU with Tamale College of Education, Ghana, to establish a mutual cooperation and to facilitate professional training and education to foster and nurture the youth.
- *July, 2019:* UDS signed an MOU with Université Général Lanzana Conté De Sonfonia-Conakry, Guinée, to establish a mutual cooperation, and to also facilitate professional training and education and to nurture the youth.

The Pro- Vice Chancellor Undertook the Following Activities within the Year under Review

Visiting Scholarship

- **April 7-13, 2019:** Served as a Visiting Scholar at the Mount Holyoke College, South Hadley, Massachusetts, USA, organized by the Politics Department and sponsored by the Africana Studies Program and the McCulloch Center for Global Initiatives.

Papers Presented

- **April 10 2019:** “Women Shea Operators in Ghana”, a paper presented at Mount Holyoke College, South Hadley, Massachusetts, USA.
- “Underdevelopment of Northern Ghana: Causes and Implications”, a paper presented at Mount Holyoke College, South Hadley, Massachusetts, USA: **April 9th 2019.**

International Conference

- **April 1-4, 2019:** University Industry Demonstration Partnership 28 (UIDP 28), Organised by The North Carolina State University, Duke University and RTI on Strengthening University-Industry Partnerships, held at the Conference Centre, StateView Hotel, 2451 Alumni Drive, Raleigh, NC 27606.

Publications

- Mabe, F. N, Donkoh, S. A and Al-hassan, S (2019) “Technology Adoption Typology and Rice Yield Differentials in Ghana: Principal Component Analysis Approach, *African Journal of Science, Technology, Innovation and Development*, Vol. 11(5), pp 555-567.

OFFICE OF THE REGISTRAR

The Registrar’s office, the Main Registry, and the Postal Unit are the three Units that make up the Office of the Registrar. The staffing of the Office is as follows;

Staffing:

Name	Qualification	Rank/Position
Zakariah, A. B. T.	B.A. Dip. Ed (UCC, Cape Coast, Gh), Post Grad. Dip (Ghana), M. Sc. (Putra, Malaysia), PhD (Leicester, UK)	Registrar
Nabila, P. A.	Dip. (ATTC, Winneba, Ghana), B.A. (Hons), M. Phil. (Ghana)	Senior Asst. Registrar, (Head, Office of the Registrar)
Adiikanbasi, P. *	B.A. (UDS, Tamale, Gh), M.A. (Ghana)	Assistant Registrar
Alhassan A. M.	B.A. (Ghana), MBA (KNUST, Kumasi, Gh.)	Jnr Asst. Registrar

*Staff on Study Leave

Other staff:

There are three (3) staff in the Registrar’s office/secretariat, two (2) in the Postal Unit and six (6) in the Main Registry. Of the six staff in the Main Registry, two are still on Study Leave. One staff who returned to post in September, 2018, after completing Postgraduate Studies at the KNUST has been posted to the Kazuhiko Takeuchi Centre for Sustainability and Resilience (KTCSR).

The Main Registry

The Main Registry receives all mails to the University, on behalf of the Registrar and dispatches letters and memos both internally and externally. Applications for appointments and promotions in the University are received and processed in the Main Registry.

The Registry is a point from which management decisions are relayed to staff of the University as well as information to stakeholders and others seeking to do business with the University.

The Registry/Office of the Registrar also takes custody of most of the University’s documents regarding policy/regulations or any correspondence with the University. As the nerve Centre of the University’s administration, the Office of the Registrar also coordinates all the activities of the various sections of the University.

Tracking of all mails to and from the Registrar continues daily in the Registry to ensure that all the mails received or dispatched are accounted for.

An important addition to the activities of the Registry is the dispatch of mails especially to Deans, Directors, Campus and Faculty Officers by e-mail. During the period, mails were sent to the named recipients via e-mail for the purpose of speeding up the processes involved in the correspondence. Efforts are being made to expand the scope to reduce the paper work in the University’s administration to this effect, the Registry is in collaboration with the ICT Directorate to acquire a software that will enable it to dispatch advance soft copies of mail to various persons expected to work on them. This meant to reduce the delays in response to mails from staff.

The Postal Unit

The Postal Unit of the Registry processes all mails and documents of the University. It also receives individual mails on behalf of staff. Those concerned are called on phone to pick up their mails at the unit.

Letters sent by the DHL and EMS can now be tracked via the internet to ensure their security and proper delivery.

The year under review saw a significant improvement in the activities of the Registry, especially on retrieval of information, though the challenge of managing the mounting numbers of documents and letters received daily, with the limited space and small number of staff, still exist.

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 specialised ancillary duties. Its staff comprises a Deputy Registrar and a Chief Administrative Assistant. Its activities for the year under review included:

- The servicing of Council meetings, in the capacity of Recorder
- The servicing of Finance Committee meetings, in the capacity of Recorder
- The servicing of Development Committee meetings, in the capacity of Recorder
- The co-ordination of activities and measures related to the organization of the University’s 19th Congregation
- The taking of preliminary measures relating to the organization of the 7th Edition of the University’s biennial Africa Leadership Lectures
- The organization of visits to all Campuses by the University Council
- The organization of tour of University Clinics/Hospitals by the University Council
- The organization of visits to the Upper East and Upper West Regional Ministers by Council
- The organization of courtesy calls on stakeholder traditional rulers by Council

Staff

Name	Qualification	Rank/Position
Debrie, G. K. (Dogbega V, Togbe)	B.A., Grad. Dip (Ghana), Cert. Mktg. (CIM.UK)	Deputy Registrar/ Head

ACADEMIC AND STUDENTS’ AFFAIRS OFFICE

The Academic and Students Affairs Office is an outfit directly responsible to the Registrar in the performance of its duties. The Office comprises; the Office of the Head of Academic Affairs and the Students Information and Support Unit (SISU). The Academic Affairs Section primarily performs duties on behalf of the Registrar. The following activities were carried out for the 2018/19 academic year:

Processing and release of online application forms for sale to both undergraduate and postgraduate applicants:

- Receiving and processing of completed admission application forms from applicants
- Admission of students in consultation with the admissions Committee
- Working closely with Schools and Faculties to organize matriculation ceremonies for freshmen and women
- Liaising with the finance Office on issues relating to payment of fees
- Keeping students’ admission and examination records
- Communicating decisions on disciplinary actions on students
- Verification of students’ certificates from institutions and organizations
- Issuing and replacement of students Identity Cards for freshmen and women and continuous students respectively
- Vetting and compiling list of students for congregation after approval of results by Academic Board
- Visiting Campuses to monitor the conduct of First and Second trimester examinations
- Keeping record minutes of Academic Board and Executive Committee meetings
- Processing of Academic Transcripts, Letters of Attestation, Introductory Letters etc for students on request
- Preparing, keeping and releasing of Certificates to students
- Ensuring that all examination materials are supplied to Schools and Faculties

Staff

The Office of Academic Affairs has a total of thirteen (13) staff comprising four (4) Senior Members, eight Senior Staff (8), and one (1) Junior Staff.

Name	Qualification	Rank/Position
<i>Abubakar, N. I.</i>	<i>B.A., M. A., (Ghana)</i>	<i>Snr. Asst. Registrar/Head</i>
<i>Abdulai, R.</i>	<i>B.A. (UDS, Tamale, Gh), MBA. (KNUST, Kumasi, Gh)</i>	<i>Snr. Asst. Registrar</i>
<i>Yidana, Z.</i>	<i>B.ED. M.Phil. (UCC, Cape Coast, Gh)</i>	<i>Snr. Asst. Registrar</i>
<i>Bellua, N. S.</i>	<i>HND (TTU, Takoradi, Gh), B.Sc. (UCC, Cape Coast, Gh), MSc. (KNUST, Kumasi, Gh)</i>	<i>Asst. Research Dev’t Officer</i>

Admission of students for the 2018/19 Academic Year

Admissions for the 2018/2019 academic year began with the sale of the online application forms between January to June 2018. Applications were received for the various programmes, undergraduate and postgraduate programmes. A total of Thirteen Thousand One Hundred and Fifty Eight (13,158) applications were received out of which Ten Thousand Eight Hundred and Ninety Five (10,895) applicants qualified. Nine Thousand Eight Hundred and Forty Five (9,845) applicants were admitted. There has been an 8.38%

increase in the total applications received over the previous year. With respect to the Post Graduate Admissions, a total of Nine Hundred and Four (904) applications were received, out of which Six Hundred and Forty Nine (649) were admitted.

Admissions Committee

The Admissions Committee Meeting was held on the 17th of July 2018 during the year under review and had the Chancellor as Chairman. All Deans of Schools and Faculties and the Registrar were present for the admission Committee meeting. The Senior Assistant Registrars of the Academic Affairs Section served as recorders to the Committee. The Committee determined the cut-off point for various undergraduate programmes and the number of qualified applicants to be admitted into each programme.

Matriculation

Matriculation ceremony to formally admit freshmen and women into the University simultaneously took place at the various Campuses on the 6th of October, 2018.

Issuance of Academic Transcripts, Students Identification Cards and other Documents

During the year under review the Academic Affairs Section continued the issuance of academic transcripts, issued and replaced students ID Cards to freshmen/ women and continuous students, processed students’ deferment cases, wrote letters of attestation and introductory letters to students for Visa acquisition at the various Embassies and High Commissions in Ghana.

Confirmation of Students Results

Pursuant to the University’s quest to rid the system of impersonation and other forms of cheating by applicants to gain admission, the Registrar tasked the Students Information and Students Support Unit (SISU) to confirm the SSSCE and WASSCE results of all students with the West African Examination Council (WAEC). A number of students were found to have falsified their results to gain admission and were accordingly dismissed. The exercise is still on-going.

UNIVERSITY RELATIONS SECTION

Introduction

This Section has primary responsibility for the projection and sustenance of the image/reputation of the University. During the period under review, it witnessed a restructuring where two units, to wit Marketing and Events Management and Protocol and Passages were created, and Heads of units appointed to man them.

Staff

Name	Qualification	Rank/Position
<i>Belko, S.</i>	<i>PG.Dip.(LondonMet.,UK), PG.Dip.(CIPR, UK), M.A. (MDX, UK), MCIPR (UK)</i>	<i>Asst. Registrar/ Head</i>
<i>Ayuba, I. A.</i>	<i>B.A. (Ghana.), M.Phil, (KNUST, Kumasi,Gh)</i>	<i>Asst. Registrar</i>

Events Management:

The Section coordinated a number of events, programmes and activities in the course of the academic year under review. The most prominent among these were the 25th Anniversary Celebrations, the 19th Congregation, two inaugural lectures and the launch of the West Africa Centre for Sustainable Rural Transformation (WAC - SRT) at the Wa campus.

Protocol and Passages:

The official travels of Principal Officers and Guests of the University both locally and internationally, was organised by the Section. Typical duties performed as part of this role included procurement of tickets, booking accommodation and airport pick-ups and drop-offs. Correspondences between the University and government agencies such as the Ghana Education National Trust Fund (GETFund) and the National Council on Tertiary Education (NCTE) was effectively coordinated in consultation with the UDS Accra Office.

Marketing/Publicity/Media Relations:

As the primary contact between the university and the general public, the UR Team issued press statements, and created the required platform for media dialogue and media coverage of events and functions.

The Team also placed 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 and the Vice-Chancellor’s communique.

Publications:

As part of its key responsibilities, the section lased with the Publication Board during the period under review to produce the Vice-Chancellor’s Report, inaugural/public lecture brochures, flyers and 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 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.

GENERAL ADMINISTRATION**Staff**

Name	Qualification	Rank/Position
<i>Tampah-Naah, C.</i>	<i>B.A, Dip. Ed. (UCC, Cape Coast, Gh); M.A. (Ghana)</i>	<i>Snr. Asst. Registrar/Head General Administration</i>
<i>Seniwoliba, A. J.</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>Assistant Registrar</i>
<i>Issah Abowen, V.</i>	<i>B.A, (UEW, Winneba, Gh)</i>	<i>Snr. Admin. Assistant</i>

Introduction

The Registry of the University has several Sections/Units. The General Administration is an integral part of the Registry. The Heads of Transport and Security units report to the Registrar through the Head of General Administration.

Activities

Within the year under review the Office had a working relationship with the following Organisations/Institutions in diverse ways.

1. Quality Links and Supply Limited, Accra
2. Hollard Life Assurance Company Limited, Accra
3. The Institute of Chartered Accountants Ghana
4. Classic Security Limited, Accra
5. Japan Motors Limited, Tamale
6. Ghana Education Trust Fund (GETFund), Accra
7. KEK Insurance Brokers Limited, Tamale
8. Charter-House International
9. Glico Health Care Insurance Limited, Tamale
10. ECOBANK Ghana Limited, Tamale

These companies and organisations provided services which included but not limited to: the provision of fast loans, categories of insurance coverage; introduction of new products and sale of products to staff on credit basis.

A workshop on fire fighting was organised for newly employed security guards of the University. The training programme demonstrated the signs of fire outbreak, the use of both liquid and powdered fire extinguishers and duty points where security guards should position themselves when on duty to avoid being targets of assailants.

The Section also participated in the reviewing and drafting of the University’s Transport and Security Policies. The section participated in a number of investigative committees involving disciplinary issues. In promotions and upgrading, the Office participated in interviewing drivers and security officers due for promotion.

The University took delivery of some new vehicles and they were distributed among the various Schools and Faculties and administrative departments based on request. The section also identified a fire assembly point at the Central Administration and placed a sign post there. This is a place where employees, clients, visitors and business partners of University are to converge in case of a fire outbreak at the Central Administration.

The section also ensured that all staff working at the Central Administration park their vehicles at the western parking space of the building and the parking space around the new auditorium and reserved the parking space at the eastern part of the building for visitors, clients, business partners and staff coming from the other Campuses.

Magazine Article Reviewed online, including database

1. Asare*, D. A., Monnie, P. D. and Gavor, M. E. (2018 September 27), Knowledge of formally and informally trained dressmakers on the application of dart principles in garment designing. International Journal of Vocational and Technical Education; Vol. 10(6), pp. 46-53, October 2018
2. Rosales,¹ V. S. and San Diego², A. L. (2018), Expanded Training Module for Electrical Installation and Maintenance National Certification Level Two. International Journal of Science, Engineering and Technology; 2018, 5:6
3. Iheukwumere, O. C. (2019 May 20), Evaluating the Factors Affecting Teachers’ Readiness on Information and Communication Technology (ICT) Integration in Business Studies in Public Secondary Schools in Abia State Nigeria. International Journal of Vocational and Technical Education. Article in Press
4. Lar, L. A. Ogbeyi O. G. and Wudiri, Z. W. (2019, July 17), Absenteeism among staff of a state specialist hospital in Nigeria. International Research Journal of Medicine and Medical Sciences; Published: July 17, 2019; Vol. 7, Is. 3 pp 68-74.
5. Mpotaringa, M. C. and Kokt, D. (2019, July 18), Tourism students’ perceptions of entrepreneurship: A case study of Northern Cape Urban Technical, Vocational,

Education and Training (TVET) College in South Africa. African Journal of Business Management-Article in Press.

6. Nanteleza, N. N. and Moto, F. Jnr. (2019, May 17), Investigating the challenges that the cross-border women traders face in Malawi: The Limbe Town women traders of Southern Malawi. African Journal of Business Management-Article in Press.

TRAINING AND DEVELOPMENT

Staff

Name	Qualification	Rank/Position
<i>Bawah, A. K.</i>	<i>BA, MA (Ghana)</i>	<i>Assistant Registrar</i>

Introduction

The Training and Development unit (T&D) is a section of the Registry under the Human Resource Department of the University. The main function of the unit is to identify the training needs of the staff and map out strategies to fill the gaps by organizing training programmes to equip the staff with the needed tools to discharge their work schedules efficiently and effectively. Other functions of the unit include coordination and facilitation of study and annual leaves of staff.

Capacity Building

Internalization of Research, Innovations in Education and Resource Mobilization

The Vice-Chancellor, Prof. Ayum Teye, arranged with a resource person from the University of Lancaster, UK to train Management, Campus Principals, Deans, Vice Deans, Directors, Deputy Directors and Heads of Department on the topic: **Internalization of Research, Innovations in Education and Resource Mobilization**. The programme which was coordinated by the Training and Development unit exposed participants to new and innovative education management models in the tertiary education sector and the process of developing robust and effective internalization policies, strategies and plans.

Training for Cleaners

The unit organized a one-day training programme in each of the four Campuses of the University to deepen the knowledge and skills of the cleaners in better cleaning techniques and good maintenance of the surroundings in accordance with required standards. Topics treated were as follows:

1. Good Environmental Cleanliness & Sanitation
2. Effective Cleaning, Use of Personal Protective Equipment and Handling of Chemicals
3. Confidentiality, Punctuality, Promotions & Security of Documents/Office Equipment

Staff on Study Leave

During the period under review, the unit processed study leave of various categories for staff whose applications were approved by the Management. The total number of staff on study leave currently is eighty seven (87). The detail is outlined below:

Teaching Staff on Full Time Study Leave	–	59
Teaching Staff on Part-Time Programmes	–	14
Non-Teaching Staff on Full Time Study Leave	–	11
No-Teaching Staff on Part-time	–	3

The total number of staff who completed their studies and returned to the service of the University are twenty two (22). Out of the number twelve (12) obtained PhD degrees whilst those who obtained Masters and First degrees are eight (8) and two (2) respectively.

ACCRA OFFICE

The Accra Office continues to play a critical role in planning, organizing, coordinating and implementing activities of the University in the Greater Accra Region where the seat of Government and the Ministries are located.

Staff

Name	Qualification	Rank/Position
<i>Ansa, M. A.</i>	<i>B.Sc. (Ghana), MA (UK)</i>	<i>Senior Assist Registrar/HoD</i>

The report captures key activities implemented by the Accra Office from **September 2018 to August 2019**, challenges encountered over the period and suggestions for the way-forward.

Core Functions of the Accra Office

- i. To help intensify the publicity drive of the University regarding its programmes, activities and services;
- ii. To respond to public enquiries about programmes, activities and outreach services of the University;
- iii. To facilitate protocol arrangements including travels, accommodation, passports, visas and resident and work permits for staff and visiting guests of the University;
- iv. To facilitate the clearing of goods from the port for the University;
- v. To represent the University at functions where necessary;
- vi. To follow-up on issues of the University with appropriate Ministries, Departments and Agencies (MDAs); and
- vii. To assist in organising events of the University as and when the need arises.

Activities Carried Out

Response to Public Enquiry

The Accra Office responded to a wide range of public enquiries about programmes, courses, transcripts, verification of certificates, job vacancies, possible collaborations and other activities of the University. The number of enquiries increased tremendously during the admission process where a lot of parents, guardians and prospective candidates visited the office on daily basis to seek further information about the 2019/2020 admissions. Some of the concerns raised by these people were:

- Difficulties in completing the on-line Admission Forms.
- Delay in processing Transcripts and verifying Certificates and
- Failure to respond to email requests and complaints about the admission process.

The Academic Unit should kindly reflect over the concerns raised and take the appropriate actions to address them.

Protocol Services

The Office facilitated the acquisition of passports, visas and other travelling documents for Senior Members who were due to travel overseas to represent the University on various platforms or for further studies. Some of the countries that the Senior Members visited were **Djibouti, Israel, the United States of America, South Korea, Italy, Nigeria, Egypt, Rwanda, Canada and Senegal.**

The Office worked hand in hand with the University Relations and the UDS International Office to coordinate other protocol arrangements including boarding, lodging, ticketing and shuttling services ‘to and from’ the airport for guests and Senior Members of the University.

Follow-Ups with Appropriate Ministries, Departments and Agencies (MDAs)

One of the herculean tasks of the Accra Office is regular follow-ups on various issues of the University with the appropriate Ministries, Departments and Agencies (MDAs) as well as relevant public and private institutions. The Office visited the Ministries of Education, Finance, Health, Foreign Affairs and Regional Integration, Roads and Highways, Energy, Trade and Industry; Government Scholarships Secretariat, National Council for Tertiary Education (NCTE), Ghana Education Trust Fund (GETFund), National Accreditation Board (NAB), Controller and Accountant General’s Department, Vice-Chancellors Ghana (VCG), United Nations Development Programme (UNDP), Passport Office, Ghana Immigration Service, Bank of Ghana, Technical Examinations Unit of the Ghana Education Service, Ghana Revenue Authority (GRA, Customs Division) and other financial institutions to execute a specific assignment for the University. The outcomes of the follow-ups contributed immensely toward the achievement of the University’s set targets for the year.

Besides, the Office facilitated a working visit for the Vice-Chancellor to the following embassies to discuss and explore possible areas of collaboration with the University:

- Danish Embassy
- British High Commission/British Council
- Federal Republic of Germany
- Embassy of France to Ghana
- Embassy of United Mexican States
- United States of America
- Canadian High Commission
- Embassy of the People’s Republic of China in Ghana

He also used the opportunity to showcase the activities of the University with the **Third Trimester Field Practical Programme (TTFPP) as its trump card.**

Donations

The Office took delivery of the following items for the University under the period under review:

- Agriculture in Ghana Today: Some Critical Topics for Policy-Making donated by United States Agency for International Development (USIAD) to the Faculty of Agribusiness & Communication Sciences.
- 890 Assorted Books donated by the National Development Planning Commission (NDPC) to the University’s Library.
- Assorted French Books and other Reading Materials donated by the French Embassy to the Wa, Navrongo and Tamale Campuses.
- 3,000 pieces of Holy Quran and 150 pieces of Religion of Quran by Dr. Hakeem A. Wemah of Agroverts Limited to the University.

Parcel of Plots

As part of its oversight responsibilities, and in collaboration with the Works and Physical Development Directorate, the Office paid regular working visits to the two (2) parcels of land situated in South Legon and Tema. The visits were meant to safeguard the two parcels of plot amidst the huge complex and multilayered land problems in the Greater Accra Region.

The University awarded a contract to the Korl Ahwenase Ltd to fence the Tema parcel of land to prevent encroachers from taking over the land. The contractor has gone very far with the work although there were initial interferences and destruction of on-going project at the site by a group of Land guards of which the Accra Office, working closely with the Tema Police Command, managed to resolve the teething issue amicably.

UDS Accra Guesthouse Limited

The Accra Office is the principal signatory to the operational account of the UDS Accra Guesthouse and, by extension, serves as checks and balances on the financial activities of the Guesthouse.

Staffing

The Accra Office is manned by eight (8) staff headed by a Senior Assistant Registrar. The other staff include one (1) Chief Administrative Assistant, two (2) Senior Administrative Assistants, one (1) Chief Driver, one (1) Senior Driver, one (1) Clerk Grade I, and one (1) Cleaner.

WELFARE UNIT

Introduction

The Welfare Unit serves as the nerve-center of all related staff welfare issues in the University. It has a total number of four (4) staff. Three (3) Senior Members and One (1) Senior staff.

Activities

During the year under review, the Unit had effectively and efficiently executed its roles as mandated by the University and the Staff Welfare Association. The Unit among other things responded to staff welfare issues and other equally important and challenging welfare issues emanating from outside the University Community which needed the University’s attention. We served as Secretaries at meetings of the Welfare Services Board and the Staff Welfare Association, and equally, the various committees under the Association.

One major event that took place during the year under review was the auditing of the UDS Staff Welfare Association Accounts from the periods of 2012 to 2018. Two (2) conferences were held during the period of the auditing, namely the Entry and Exit.

Staff

Name	Qualification	Rank/Position
<i>Awugah, S. A.</i>	<i>B.Ed., M.Ed., (UEW, Winneba, Gh), ChPA, CMC (Accra, Gh)</i>	<i>Snr. Asst. Registrar/Head</i>
<i>Andani, I. M.</i>	<i>B.A., M.A., (Ghana), Ph.D., (India)</i>	<i>Asst. Registrar</i>
<i>Adongo, S. A.</i>	<i>Dip., B. Ed., (UEW, Winneba, Gh), M.A. (UCC, Cape Coast, Gh)</i>	<i>Asst. Registrar</i>

Publications:

Awugah, S. A.

1. Andani, I. M., **Awugah, S. A.** and Ayuba, I. A. (2019). Academic Freedom and Autonomy in the Universities: Past and Present. *Journal of Applied and Advanced Research*, Vol. 4 (1), pp. 54-60. 2.
2. Ansoglenang, G., Thompson, J. D. and **Awugah, S. A.** (2019). Mapping out the Theories of Motivation: Lessons for Administrators in Public Institutions Learn? *Arts and Social Sciences Journal*.
3. Ansoglenang, G., **Awugah, S. A.** and Thompson, J. D. (2018). Conceptual Tools for Building Higher Education Institutions Corporate Image and Reputation. *American Journal of Education Research and Reviews*, 2018, 3-28.

Andani, I. M.

1. **Andani, I. M.** (2019). When Your Boss Decides to Mess You Up: The Two Decades Experienced in Public Service in Ghana. *Journal of Applied and Advance Research*, Vol. 4, No. 2, pp.78-80.
2. **Andani, I. M.**, Awugah, S. A. and Ayuba, I. A. (2019). Academic Freedom and Autonomy in the Universities: Past and Present. *Journal of Applied and Advanced Research*, Vol. 4 (1) pp. 54-60.
3. **Andani, I. M.** (2019). The Search for Academic Excellence: The Hard Facts and Bitter Truths. *Journal of Applied and Advance Research*, Vol. 4, No. 1, pp.1-5.

UNIVERSITY LIBRARY

Introduction

The UDS Library provides information and bibliographic support for all faculties, schools, institutes and centers of the University, which is aimed at facilitating teaching, learning, research and knowledge dissemination. The main or central library is located at the Nyankpala Campus of the University in Tamale. The Central Library co-ordinates and complements the activities, services and operations of the libraries on the other four campuses of the University

Staff

Name	Qualification	Rank/Position
<i>Thompson, E. S.</i>	<i>B.A., Dip. Ed. (UCC, Cape Coast, Gh.), P.G.D Lib., MPhil (Ghana.)</i>	<i>University Librarian</i>
<i>Amuda, J. M.</i>	<i>Dip. Lib (Ibadan), B.A. (UDS, Tamale, Gh), M.A. (Ghana)</i>	<i>Senior Assistant Librarian</i>
<i>Plockey, F. D. D.</i>	<i>Dip Lib., B.A., M.A., (Ghana.), PhD (UDS, Tamale, Gh.)</i>	<i>Senior Assistant Librarian</i>
<i>Pwadura, J.</i>	<i>Dip. Lib., B.A., M.A. (Ghana)</i>	<i>Assistant Librarian</i>
<i>Ibrahim, A. K.</i>	<i>Dip. Lib., (Ghana.), B.A. (UDS, Tamale, Gh.), M.A., (Ghana.)</i>	<i>Assistant Librarian</i>
<i>Yebowaah, A. F.</i>	<i>Dip Lib., B.A., M.A. (Ghana.)</i>	<i>Assistant Librarian</i>
<i>Appiah, D. K.</i>	<i>B.A. (UEW, Winneba Gh.), M.A., MPhil (Ghana.)</i>	<i>Assistant Librarian</i>
<i>Konlan, B.</i>	<i>Dip Lib., B.A., M.A. (Ghana.)</i>	<i>Assistant Librarian</i>
<i>Akeriwe, M. L.</i>	<i>Dip. Lib., B.A., (Ghana.), MIT, ((Petoria, SA)</i>	<i>Assistant Librarian</i>
<i>Asiedu, N. K.</i>	<i>B.A (KNUST, Kumasi, Gh.), MPhil. (Ghana.)</i>	<i>Assistant Librarian</i>
<i>Danso, E.</i>	<i>B.A., (CUCG, Sunyani, Gh.), M.A. (Ghana.) Msc. (SMU, India)</i>	<i>Junior Assistant Librarian</i>
<i>Aikins, A. A.</i>	<i>B.Sc. (KNUST, Kumasi, Gh.), MPhil. (UDS, Tamale, Gh)</i>	<i>Junior Assistant Librarian</i>
<i>Kordie, G. A.</i>	<i>B.Sc. (UDS, Tamale, Gh), MPhil. (Ghana.)</i>	<i>Junior Assistant Librarian</i>
<i>Yenbil, C. T.</i>	<i>B.A. (UDS, Tamale, Gh) MA (Ghana), MPhil. (UDS, Tamale, Gh)</i>	<i>Junior Assistant Librarian</i>
<i>Lotsu, S. A.</i>	<i>B.A., MPhil. (Ghana.)</i>	<i>Junior Assistant Librarian</i>
<i>Alua, M.</i>	<i>B.A. (Ghana), MPhil. (UDS, Tamale, Gh.)</i>	<i>Junior Assistant Librarian</i>
<i>Alhassan, I.</i>	<i>B.A., MPhil. (UDS, Tamale, Gh)</i>	<i>Junior Assistant Librarian</i>
<i>Bumbie-Chi, D. M.</i>	<i>B.A. (UDS, Tamale, Gh.), M.A., MPhil. (Ghana.)</i>	<i>Junior Assistant Librarian</i>

Promotions

The following staff were promoted during the year under review:

Name of Staff	New position
• <i>Bumbie-Chi, D. M.</i>	<i>Junior Assistant Librarian</i>
• <i>Boateng, B.</i>	<i>Chief Library Assistant</i>
• <i>Tuopare, T. K.</i>	<i>Chief Library Assistant</i>
• <i>Ababio, F</i>	<i>Principal Library Assistant</i>
• <i>Akeriwe, A. G.</i>	<i>Senior Library Assistant</i>
• <i>Abukaria, H.</i>	<i>Senior Library Assistant</i>
• <i>Bole, Y.</i>	<i>Library Assistant</i>

Major Events

August 2018 to July 2019

- Reroofing of the Central Library, Nyankpala Campus
- Exhibition held for Inaugural Lectures 2019 and also to market some of the services of the Library
- Renewal of Turnitin subscription and Virtual Private Servers

Collection Development Department

The publications purchased for all campuses during the period were 465 volumes. They were mainly made up of core titles in the various disciplines.

Donations of books and journals received were 548 volumes. Currently, the Library’s catalogue of materials in any of the campus libraries can be accessed through the Online Public Access Catalogues (OPAC: <http://udslibrary.info>). All the Campus Libraries continue to register users; mainly faculty and students to enable them access all the library resources of the University.

Information Services Department

Technical Services: There were series of workshops/ seminars on the various campuses for both Faculty and students to improve usage of the available Library resources and services such as the Turnitin (anti-plagiarism software) and the electronic resources.

Electronic-Resource Collection: The Library continues to increase its e-resource base in respect following:

- 13 subscribed databases from CARLIGH
- 16 databases from INASP
- 20 databases from EiFL
- 4 databases from Research for Life
- 21 open access free e-journal databases
- 15 open access reference databases
- 4 open access free e-books databases

These databases can be accessed via the University website or www.udslibrary.net.

The Library was able to run trials for the following over the period:

- CAB Direct
- JoVE Video Journals
- PressReader
- GOBI Library Solutions

Institutional Repository: The UDS Institutional Repository (**udsspace:** <http://udsspace.uds.edu.gh>) currently hosts 2,075 scholarly materials of the University community. These include articles, conference proceedings, graduate theses as well journals of the University (such as UDS Journal for Development: udsijds@uds.edu.gh).

Publications

Aikins, A. A.

Aikins, A. A., Asiedu, N. K. and Bumbie-Chi, D. M. (2019). Users’ Perspectives on the Services of University for Development Studies Library: A Case of a Multi-Campus institution in Ghana. *Library Philosophy and Practice (e-journal)*.

Alua, M. A.

Alua, M. A. Kenneth, P., Achana, G. T. W. (2018). Climate Change Implications for Crop Farming in Ghana’s Semi-Arid Guinea Savanna. *International Journal of Development and Sustainability*, 7 (9): 2334-2349. www.isdsnet.com/ijds

Appiah, D. K.

Plockey, F. D. D. **Appiah, D. K.** and Ofori, R. A. (2019). Information Acquisition Mechanism of University Libraries: An Empirical Study of Public University Libraries in Ghana. *International Journal of Library and Information Science*, 11 (1):1- 6.

Appiah, D. K., Konlan, B. and Asiedu, N. (2018). Using ICT for Effective Reader Service Delivery at the Nyankpala Campus Main Library of the University for Development Studies. *THE MAKTABA: A Journal of the Kenya Library Association*, 7 (1): 46-54.

Appiah, D. K., Plockey, F. D. D. and Danso, E. (2018). Use of Serials by Undergraduate Students of the Nyankpala Campus of the University for Development Studies. *THE MAKTABA: A Journal of the Kenya Library Association*, 7 (1): 110-118.

Asiedu, N. K.

Aikins, A. A., **Asiedu, N. K.** and Bumbie-Chi, D. M. (2019). Users’ Perspectives on the Services of University for Development Studies Library: A Case of a Multi-Campus Institution in Ghana." *Library Philosophy and Practice (e-journal)*

Appiah, D.K., **Asiedu, N. K.,** and Danso, E. (2018). Using Information Communication Technology for Effective Reader Services Delivery at the University for Development Studies Nyankpala Campus Library. *THE MAKTABA - A Journal of the Kenya Library Association*, 7 (1), 46-54.

Danso, E.

Appiah, D.K., Asiedu, N. K., and **Danso, E.** (2018). Using Information Communication Technology for Effective Reader Services Delivery at the University for Development Studies Nyankpala Campus Library. *THE MAKTABA - A Journal of the Kenya Library Association*, 7 (1), 46-54.

Konlan, B.

Appiah, D. K., **Konlan, B.** and Asiedu, N. (2018). Using ICT for Effective Reader Service Delivery at the Nyankpala Campus Main Library of the University for Development Studies. *THE MAKTABA: A Journal of the Kenya Library Association*, 7 (1), pp 46-54.

Bumbie-Chi, D.M.

Aikins, A. A., Asiedu, N. K. and **Bumbie-Chi, D.M.** (2019). Users’ Perspectives on the Services of University for Development Studies Library: A Case of a Multi-Campus Institution in Ghana. *Library Philosophy and Practice* (e-journal).

PROCUREMENT DIRECTORATE

The Procurement Directorate has a total number of nine (10) staff of which three are senior members. The Procurement Directorate is responsible for coordinating all procurement activities of the University.

Mission

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, Tamale, Gh), M.Sc. (Volda, Norway), MCIPS (UK)	Head, Local Purchases Unit (L.P.U)
Braimah, A. B.	B.A. (UCC, Cape Coast, Gh), MBA (KNUST, Kumasi, Ghana), MCIPS (UK)	Head, Procurement Planning and Contract Management Unit (P.P.C.M.U)

INTERNAL AUDIT DIRECTORATE

The Internal Audit Directorate has a staff strength of 20 of which 9 are senior members and 11 senior staff no junior staff. The senior members and their qualifications

Staff

Name	Qualification	Rank	Position
John, A. A.	MBA (KNUST, Kumasi, Gh) ICAG IIA	Director of Audit	Head, Audit Directorate
Valentine, D.	MBA (Ghana), ICAG	Senior Internal Auditor	Head, Wa Campus
Delle, D. S.	MBA (Wolverhampton England) IFS, IIA, IT Audit (GIMPA Accra, Gh) B.Sc. (UCC Cape Coast, Gh.)	Senior Internal Auditor	Head, Navrongo Campus
Baba, H.	B.Sc. MBA (Ghana), ICAG	Senior Internal Auditor	Head, Nyankpala Campus
Abdulai, A.	FCCA UK B.Sc. (UDS, Tamale, Gh) MBA (UCC, Cape Coast, Gh), IIA	Senior Internal Auditor	Head, Tamale Campus
Parry, I. K.	FCCA UK IIA GH	Senior Internal Auditor	Head, Administration
Abdulai, I.	B.Sc. (UPSA, Accra, Gh) MBA (UCC, Cape Coast, Gh), ICAG	Internal Auditor	Head, Planning
Ziniyel, A.	B.Sc. MBA (UCC, Cape Coast, Gh) ICAG	Internal Auditor	Head, Business& Law IDS
Alhassan, D.	B.Com (UCC Cape Coast, Gh) MBA (UPSA Accra, Gh)	Assistant Internal Auditor	Head, Systems Investigations

FINANCE DIRECTORATE

1. Introduction

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

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)
- Financial Administration Regulation, 2004 (L.I 1802)
- Public Procurement Act, 2003 (Act 663)
- Etc

2. 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 of Continuing Education and 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 Contractual Relationships with Third Parties,
- Financial Reporting and
- Other Financial Advisory Services.

3. Key Activities during the Year:**i. 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.

ii. 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.

iii. 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.

4. Staffing:

Details of the Departments, offices and staff of the Finance Directorate are as follows:

The Finance Secretariat

Name	Qualification	Rank/Position
<i>Shaibu, M. H.</i>	<i>B. Com (UCC, Cape Coast, Gh), MBA, ICA (Ghana)</i>	<i>Director of Finance</i>

The Finance Director is supported by 2 senior staff in the Secretariat.

Accounts Receivable

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

There are also 2 senior staff in the Accounts Receivable Department.

Final Accounts

Name	Qualification	Rank/Position
<i>Wemah, S.</i>	<i>FCCA, ICA (Ghana), MID, MA</i>	<i>Senior Accountant</i>

Budget & Management Accounting Department

Name	Qualification	Rank/Position
<i>Iddrisu, A.</i>	<i>Dip. Ed., B Com, MBA, FCCA</i>	<i>Deputy Director of Finance</i>

There are also 3 senior and junior staff at the Budget & Management Accounting Department.

Treasury

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

The Treasurer is supported by 6 senior and junior 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 4 senior staff.

GUSSS/External Loans

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

In addition, there are 2 senior staff at the GUSSS.

Stores (Central Administration)

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

There are 3 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 also 6 senior staff in the Finance Department at the Nyankpala Campus.

Tamale Campus

Name	Qualification	Rank/Position
<i>Asare-larbi, F.,</i>	<i>BSc, MPhil, (Ghana)</i>	<i>Senior Accountant</i>
<i>Dabuo, Y. E.</i>	<i>B Com (Cape Coast), ICA (Ghana)</i>	<i>Assistant Accountant</i>
<i>Yakubu, I. S.</i>	<i>HND Accounting, B. Com, ICA (Ghana)</i>	<i>Assistant Accountant</i>

There are 9 senior and junior staff in the Finance Department at the Tamale Campus.

Navrongo Campus

Name	Qualification	Rank/Position
<i>Bagina, R.,</i>	<i>CEMBA (KNUST, Kumasi), ICA (Ghana)</i>	<i>Accountant</i>
<i>Konogweh, R. A.</i>	<i>HND Acct, B. Com, MBA.</i>	<i>Accountant</i>

There are 2 senior staff in the Finance Department at the Navrongo Campus.

Wa Campus

Name	Qualification	Rank/Position
<i>Dodoo, M.</i>	<i>BSc, MBA, ICA (Ghana)</i>	<i>Senior Accountant</i>
<i>Atingawaya, J.</i>	<i>B Com (UCC, Cape Coast, Gh), MSc Acct, ICA (Ghana)</i>	<i>Assistant Accountant</i>
<i>Sande, A. W.</i>	<i>B Ed, MCom (UDS, Tamale, Gh), ICA (Ghana)</i>	<i>Assistant Accountant</i>

There are 8 senior and junior staff in the Finance Department at the Wa Campus.

Systems Administration & Software Deployment Unit

Name	Qualification	Rank/Position
<i>Mahamoud, S.</i>	<i>ACCA</i>	<i>Accountant</i>

There is also one senior staff in the Unit.

UDS International Conference Centre, Tamale

Name	Qualification	Rank/Position
<i>Panford, P.</i>	<i>BSc Adm, MBA Finance (Ghana)</i>	<i>Assistant Accountant</i>

UDS Accra Guesthouse

One senior staff is in charge of the UDS Accra Guest House.

WORKS AND PHYSICAL DEVELOPMENT DIRECTORATE

The Directorate of Works and Physical Development is an integral part of the Central Administration providing technical services for physical planning and development of the University. It is also responsible for the design of physical infrastructure, maintenance works, 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	Rank/Position
<i>Abiko B. S.</i>	<i>B.Eng., (Hons) (UK), M.Sc (UK), MBA (UK) MCIBSE (UK), CEng (UK), MIET(UK), MGHIE</i>	<i>Director</i>
<i>Abubakari, M. K.</i>	<i>B.Sc.(Hons), MSc.(UK), MGHIE, MICE, MIStructE (UK)</i>	<i>Deputy 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	Rank/Position
<i>Yampohekyia S.</i>	<i>B.Sc. (KNUST, Kumasi, Gh), CEMPA (KNUST, Kumasi, Gh), MGHIE, PMP</i>	<i>Engineer (Civil)</i>
<i>Addy, A. N. A.</i>	<i>B.Sc PGDip (KNUST, Kumasi, Gh)</i>	<i>Assist. Architect</i>
<i>Mohammed B. M.</i>	<i>BSc., MSc. (KNUST, Kumasi, Gh)</i>	<i>ChiefWorks Superintendent</i>
<i>Sarfo K. G.</i>	<i>BSc. HSP (UDS, Tamale, Gh), MSc. Const. Mgt., MGHIC</i>	<i>Wa Campus</i>

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

1. Supervised the construction of the boundary wall at Gbanyamni
2. Supervised the construction of the Principal Officers boundary wall at the Tamale Campus
3. Supervised the upgrade of water supply line to various buildings including the ICC building, Tamale Campus.
4. Supervised the renovation of Great Hall at the Nyankpala Campus
5. Prepared estimate for the renovation of the Library block at the Nyankpala Campus
6. Prepared estimate for the upgrade of water supply system at the Nyankpala Campus
7. Carried out general servicing of all generators on Campuses.
8. Collaborated with Physical Planning and Development Department in design and supervision of all structural, electrical and mechanical engineering systems.
9. Carried out various routine maintenance in staff bungalows and School/Faculty Facilities.
10. Coordinated road works on all Campuses with the Department of Urban Roads, Feeder roads and the Ministry of Roads and Highways

Physical Planning and Development Department

The department 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	Rank/Position
Baba-Duah, J	B.Sc, PGDip (KNUST, Kumasi, Gh), Msc. (Coventry, UK) AGIA	Architect
Awuni, M. A.	B.Sc, (KNUST, Kumasi, Gh), MSc, (KNUST, Kumasi, Gh) MGhIS	Quantity Surveyor
Charles H.	Bsc (KNUST, Kumasi, Gh) PGDip (KNUST, Kumasi, Gh)	Assistant Architect

The Department undertook the following:

1. Design and supervision of the completion of sports facilities and a 4-storey lecture hall and office block at the Tamale Campus.
2. Design and Supervision of the Construction of 2-Storey flats for clinical students at the Tamale Teaching Hospital (TTH).
3. Supervision of the completion of 3No. 3-bedroom Guest Houses at the Tamale Campus.
4. Design and Supervision of the construction of a 3-Storey GUSSS Commercial building at the Tamale Campus.
5. Supervision of the Construction of 3-Storey Library Complex at the Navrongo Campus.
6. Supervision of the construction of 4-Storey Laboratory Complex at the Navrongo Campus.
7. Supervision of the construction of 3No. 4-Storey Lecture Block and Offices at Nyankpala and Navrongo Campus respectively.
8. Supervision of the completion of 1000-Seater Lecture Hall at the Wa Campus.
9. Supervision of the construction of Multi-Purpose Auditorium at the Wa Campus.
10. Supervision of the construction 4-Storey Lecture Hall Block and Offices at the Wa Campus
11. Design and supervised all other on-going projects on campuses with other allied Consultants.

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

Name	Qualification	Rank/Position
<i>Debrah, K. D.</i>	<i>B.Sc. (KNUST, Kumasi, Gh), CEMPA (KNUST, Kumasi, Gh), MGHIE</i>	<i>Engineer (Civil)- Nyankpala Campus</i>
<i>Julien, S.</i>	<i>MGHIS Gh</i>	<i>Head, Wa Campus</i>
<i>Obed, O.</i>	<i>BTech (Suyantin), MSc.EPM, MGHIS</i>	<i>Head, Navrongo Campus</i>

Consultancy Services

The Department 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 Department.

ESTATES DIRECTORATE

The Estates Directorate is responsible for the acquisition and management of landed property, land administration, allocation and management of office and residential accommodation, routine maintenance of all University properties, furnishing of office and residential accommodation, controlling the inventory of all chattels in offices and residential accommodation and valuation of landed property. The Directorate is also responsible for the Ground and Sanitation of the University. The Estates Directorate has the following staff:

Staff

Name	Qualification	Rank/Position
<i>Akibu, A.</i>	<i>BSc. (KNUST, Kumasi, Gh), LLM, PhD (Aberdeen, UK), MGHIS</i>	<i>Director</i>
<i>Nyamalar, S.</i>	<i>BSc. (KNUST, Kumasi, Gh), MGHIS</i>	<i>Assistant Estates Officer</i>

The Directorate also has Ten (10) Senior Staff, Two Hundred and Seventeen (217) Junior Staff and One Hundred and Seventeen (117) Casual Staff totaling **Three Hundred and Forty-Six** staff under its watch.

Activities

The Estates Directorate undertook the following activities in the period under review;

- **Accommodation for Staff**

The Estates Directorate processed One Hundred and Thirty (130) University staff accommodation through Rent Advance, Rent Subsidy and Owner Occupy arrangements.

- **Inventory Management**

The Estates Directorate effectively managed and updated a Comprehensive Assets Inventory of University chattels.

- **Grounds and Environmental Management**

The Directorate maintained the grounds and gardens and prepared venues for university functions.

- **Sanitation**

The Directorate effectively coordinated and ensured proper Cleaning and Janitorial activities within the Offices, Bungalows and entire university environment.

- **Maintenance of Facilities**

The Directorate carried out Routine inspection and Maintenance activities on university facilities. These included;

- ✓ General Cleaning of floors, walls, furniture and other areas.
- ✓ Repair and Servicing of Air-conditioners for Residential, Offices and Lecture Facilities of the University.
- ✓ Effective monitoring, supervision and undertaken of building maintenance repair works.

- **Serving of Committees/Boards**

The Estates Directorate serves as the Secretariat for the Housing Committee.

- **Land Administration and Management**

The Directorate ensured the efficient management of all University lands and followed up on the documentation processes of all lands at various stages of completion.

- ✓ **Gbanyamni Land, Tamale**

Processing of Deed of Lease at the plotting stage at the Lands Commission.

- ✓ **Sagnarigu - Dungu Land, Tamale**

Compulsory acquisition process ongoing. The Executive Instrument (E.I. 166) 2008 has been published.

- ✓ **Accra Office and Guesthouse Land**

The Deed of Lease has been executed. The Directorate is now pursuing the Title Certificate.

DIRECTORATE OF ACADEMIC PLANNING AND QUALITY ASSURANCE**Staff**

Name	Qualification	Rank/Position
<i>Dei, H. K.</i>	<i>Dip. Ed. B.Sc. (UCC, Cape Coast, Gh), MSc. (KNUST, Kumasi, Gh), Ph.D (HAU, UK)</i>	<i>Prof. / Director</i>
<i>Vida, A. M.</i>	<i>B.Ed. (UEW, Winneba, Gh), M.Phil (UG, Gh)</i>	<i>Assistant Registrar</i>

There are also four Senior Staff in the Directorate.

Introduction

The Directorate of Academic Planning and Quality Assurance (DAPQA) is under the Office of the Vice-Chancellor. The Directorate has a singular mandate to oversee that quality assurance permeates all facets of the operations of the University. The predominant aim of the Directorate is to guarantee that quality academic standards are maintained and improved in the University through continuous quality improvement in institutional and academic programmes. The Directorate is additionally responsible for the coordination and handling of affiliation related matters in the University.

Activities

i) Vetting of Curricula for Approval by National Council for Tertiary Education (NCTE) and Accreditation by National Accreditation Board (NAB)

The Directorate has processed several existing and new academic programmes that required approval and (re)accreditation by the NCTE and NAB respectively. These programmes were both undergraduate and postgraduate from the various Faculties/Schools. The proposals were vetted in line with NCTE guidelines on the mounting of new academic programmes as well as NAB questionnaires on the application for (re)accreditation of existing and new programmes. The essence of the vetting was to ensure that proposed academic programmes get quick approval and (re)accreditation from NCTE and NAB respectively.

ii) Approval and Accreditation of Programmes by NCTE and NAB

The National Council for Tertiary Education (NCTE) in the year under review has approved the underlisted programmes:

1. BSc Health Information Management
2. BSc. Ecotourism and Hospitality Management
3. BSc. Environmental Management and Sustainability
4. BSc. Forest Resource Conservation and Management
5. MSc. Environmental Management and Sustainability
6. M.Phil Environmental Management and Sustainability
7. PhD. Environmental Management and Sustainability

The National Accreditation Board (NAB) on the other hand has (re)accredited some of the University programmes that were submitted. They include:

Name of Faculty/ School	Name of Programme	Nature of Accreditation
FIDS	M.A Development Economics	Re-accredited for five (5) years
SoE	BSc. Agric Engineering (Food and Harvest Engineering)	Accredited for three (3) years
	BSc. Agric Engineering (Farm Power and Machinery Engineering)	Accredited for three (3) years
	BSc. Agric Engineering (Soil and Water Conservation Engineering)	Accredited for three (3) years
	BSc. Agric Engineering (Irrigation and Drainage Engineering)	Accredited for three (3) years
SAHS	Doctor of Medical Laboratory Science	Re-accredited for five (5) years
	MSc Community Health and Development	Re-accredited for five (5) years
	M.Phil Community Health and Development	Re-accredited for five (5) years
SMHS	MSc. Community Disaster Resilience Studies	Accredited for three (3) years
FMS	BSc. Actuarial Science	Re-accredited for five (5) years
FOA	BSc. Family and Consumer Sciences (Food and Nutrition)	Re-accredited for five (5) years
	BSc. Family and Consumer Sciences (Textiles and Apparel)	Re-accredited for five (5) years
	BSc. Family and Consumer Sciences (Human Development and Child Studies)	Re-accredited for five (5) years
	BSc. Family and Consumer Sciences (Tourism and Hospitality Management)	Re-accredited for five (5) years

iii) Monitoring of Beginning of Lectures

The Directorate through Faculty/School Quality Assurance Officers did the monitoring of the beginning of lectures for the First and Second Trimesters of the 2018/2019 Academic Year. This was carried out to ascertain whether lectures began according to the University’s academic calendar. The exercise was conducted concurrently within the first three weeks in each Trimester on all the four Campuses (Tamale, Nyankpala, Navrongo and Wa) of the University.

iv) Monitoring of Examinations

The integrity of every higher education institution in part, hinges on the maintenance of quality standards in the conduct of its examinations. In view of this, the Directorate, during the 2018/2019 Academic Year, visited the various campuses to monitor the conduct of examinations. The First Trimester monitoring took place between 10th and 22nd December, 2018 whiles that of the Second Trimester was carried out from Monday 15th to Tuesday 30th April, 2019.

v) Participation in Quality Assurance Workshops

- Three Staff of the Directorate participated in a Quality Assurance Workshop organized by the Association of African Universities (AAU) and hosted by the University for Development Studies (UDS) which took place from 2nd to 5th October, 2018 at the UDS International Conference Centre, Tamale. Similarly, through the invitation of the Directorate, seven (7) Affiliate Institutions of UDS participated in the workshop.
- The Director and Assistant Registrar of Academic Planning and Quality Assurance and the Vice-Dean of FMS also attended a stakeholder’s quality assurance workshop organized by the NAB on 12th March, 2019, Accra. The workshop was aimed at equipping participants to be abreast with new trends in quality assurance in higher education.
- The Directorate during the period under review attended a day’s stakeholders workshop on the implementation of the Colleges of Education four-year Bachelor of Education programme at the invitation of NAB on Wednesday, 27th February, 2019 at the AH Hotel, East Legon. The stakeholders’ workshop was meant to fashion out modalities on the affiliation of the Colleges among the five Public Universities. Four participants from the University took part in the meeting.
- The Director of Academic Planning and Quality Assurance also attended an Annual Good Practice Workshop for Quality Assurance Practitioners from 20th to 22nd March, 2019 in Nairobi, Kenya. The training programme was crucial for strengthening the capacity of DAPQA to deliver on its core business. Thus knowledge gained would be used to guide and inform current work, structure and future programming on quality assurance of the University.
- The Director and four (4) Faculty/School Quality Assurance Officers from each Campus of the University during the period under review attended a workshop organized and hosted by the Association of African Universities (AAU) in Accra. The theme for the workshop was: “Revitalizing the 21st Century Higher Education Quality Assurance Personnel, Systems, Tools, Processes and Procedures”. The workshop was held in the Association of

African Universities headquarters Conference Hall, Accra from 21st to 24th May, 2019.

- The Director of Academic Planning and Quality Assurance and two members of the Academic Programme Committee also attended a one-day Workshop in Accra organized by NTCE on 24th July, 2019, Accra, The workshop was aimed at equipping participants with the knowledge to write robust programme proposals for approval by NCTE.
- The Director of Academic Planning and Quality Assurance also attended an International Workshop on Quality Assurance from 5th to 9th August, 2019 in Zambia. The workshop was on the theme: “Revitalising and Quality Assurance in the 21st Century Higher Education Quality, Learner-Centred Teaching Skills and Research”. It was organised by Association of African Universities.

vi) Orientation Workshop for Newly Appointed Teaching Staff

The Directorate organized an orientation workshop for newly appointed Teaching Staff across the various campuses of the University, which took place on 21st and 22nd November, 2018 at the Dr. Andani Andan Academic Board Chamber of the Central Administration, Tamale. In all, 81 newly appointed Teaching Staff participated in the orientation workshop.

vii) Quality Assurance and MIS Meetings

The Directorate during the period under review organised meetings with Principals, Deans, HoDs and other teaching staff to discuss quality assurance and MIS issues across all the Campuses (Tamale, Nyankpala, Navrongo & Wa) of the University. The Directorate has similarly held a meeting with SRC Executives across the Campuses of the University to discuss issues on quality assurance and the student use of the MIS portal.

viii) Students’ Assessment of Courses and Lecturers for 2018/2019 Academic Year

The reports on Students’ Assessment of Courses and Lecturers for the First and Second Trimesters of the 2018/2019 Academic Year were generated and submitted to the Deans of the various Faculties and Schools for the attention of Lecturers within their respective Faculties/Schools.

ix) Processing of Graduation List

The Directorate also received and processed list of graduands across Faculties/Schools of the University for the 19th Congregation of the University on 10th November, 2018. The Directorate received and processed list of graduating students for April 2019 Special Congregation of the Graduate School which was held on 27th April, 2019.

x) **Institutional Review**

The Directorate in collaboration with the Main Registry actively participated in the Institutional Review of the University by officials of NAB which took place from 18th to 22nd February, 2019.

xi) **Affiliation Issues**

a) *New Affiliation*

The University signed Memorandum of Understanding with the underlisted Institutions for Affiliation to run the following programmes:

Name of Institution	Programme
Margaret Marquart Nurses Training College, Ho	Diploma in Registered General Nursing
College of Science, Arts and Education (CoSAE), Sunyani	B.Sc. Physician Assistant
Rural Development College, Kwaso	1. Diploma in Community and Social Development 2. BSc. Community and Social Development Planning

The University has signed Memorandum of Understanding with the Withrow University College to run additional programmes in B.Sc. Information Technology, B.Sc. Business Administration and B.Sc. Public Health Sciences. Also, KAAF University College signed an additional Memorandum of Understanding with the University to run B.Sc. Midwifery and B.Sc. Community Nursing.

b) *Processing of Programme Affiliation*

- The University in the year received an application from the Oak City International College, Accra for programme Affiliation in Physician Assistantship.
- A Technical Team from the UDS also visited the **Wisconsin International University College, Accra** to assess their facilities for possible Programme Affiliation of BSc. Paediatric Nursing. This took place on 15th May, 2019.
- A Technical Team comprising the Director, Assistant Registrar and Dean of SAHS also visited the **Presbyterian University College, Agogo** on 1st August, 2019 to assess their facilities for possible Programme Affiliation of BSc. Midwifery.
- A Technical Team from the University visited the **Family Health University College, Accra** to assess the facilities of the College for programme affiliation of BSc Nursing, Post Basic Nursing and BSc Midwifery programmes. This took place on 14th June, 2019.

- A team comprising the Director, Assistant Registrar and Dean of SMHS from the University visited the **Kings and Queens Medical College, Akuse Junction** to inspect their facilities for both Institutional and Programme Affiliation for Bachelor of Medicine and Bachelor of Surgery (MBChB) on 27th August, 2019. The curriculum of the medical programme was reviewed by the School of Medicine and Health Sciences of the University and the College is expected to fine tune the curriculum for re-submission.
- c) *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:

Name of Affiliate Institution	Ceremony	Date
Millar Institute of Transdisciplinary and Development Studies, Bolga	Graduation	3 rd November, 2018
Regentropfen College of Applied Sciences, Kansa-Bongo	Graduation	3 rd November, 2018
Wisconsin International University College, Accra	Graduation	24 th November, 2018
Royal Ann College of Health, Kumasi	Graduation and Matriculation	29 th November, 2018
Ghana Christian University College	Graduation	14 th December, 2018
New Life College	Graduation and Matriculation	15 th December, 2018
College of Community and Organisation Development	Graduation	15 th December, 2018
Withrow University College, Agona	Matriculation and Graduation	19 th January, 2019

d) *Renewal of Affiliation*

The Directorate during the year started the process of the renewal of Affiliation of five (5) Affiliate Institutions with UDS. These Affiliate Institutions are:

1. Millar Institute of Trans disciplinary and Development Studies, Bolga tanga
2. New Life College, Tamale
3. Premier Nurses Training College, Kumasi
4. Ghana Christian University College, Accra
5. Technical University College Ghana, Tamale

e) *Familiarization Visits*

The Director and Assistant Registrar of the Directorate paid a familiarization visit to some of the Affiliate institutions. This was to enable the Director and Assistant Registrar know the location of these Institutions and also have first-hand information on them. The underlisted affiliate institutions were visited:

1. Madina Institute of Science and Technology, Madina-Accra

2. Data Link Institute, Tema-Accra
3. IPMC College of Technology, Accra
4. DHI College of Health and Education - Kumasi
5. Midland College – Kumasi
6. Afosu Nursing and Midwifery Training College – New Abirem
7. College of Science, Art and Education – Sunyani
- f) *Outstanding Issues of Affiliate Institutions with NAB*

The following institutions: the School of Social Welfare, Accra; DHI College of Health and Education, Kumasi; and Community Health Nursing Training School, Navrongo; have issues with the NAB. The Directorate, Management of the Affiliate Institutions and Officials of NAB have held discussions and significant progress have been made in resolving the issues.

DIRECTORATE OF INTERNATIONAL RELATIONS AND ADVANCEMENT (DIRA)

Staff

Name	Qualification	Rank/Position
<i>Kranjac-Berisavljevic, G.</i>	<i>B.Sc(Belgrade, Serbia), MSc (Bari, Italy), Ph.D. (Ghana)</i>	<i>Professor/Director</i>
<i>Saba, C. K. S.</i>	<i>B.Sc (UDS, Tamale, Gh), M.Sc, Ph.D. (Complutense, Madrid, Spain)</i>	<i>Snr. Lecturer/ Deputy Director</i>
<i>*Tahiru, R.</i>	<i>B.A. (Ghana), M.A. (Brock, St. Catharines, Canada)</i>	<i>Assistant Registrar</i>
<i>Boye, K.M., E.</i>	<i>B.A, M.Phil, (Ghana), ChPA, CMC (CIAMC, Ghana)</i>	<i>Assistant Registrar</i>

The Directorate is under the Vice-Chancellor’s Office, responsible for connecting UDS to other academic institutions around the world by strengthening international linkages and fostering international co-operations and advancement. The Directorate also seeks to encourage staff and students’ development through exchanges, participation in international conferences, collaborative research, and other activities.

DIRA has a total of eight (8) staff comprising of four (4) Senior Members, two (2) Senior Staff and two (2) Junior Staff. One staff is currently on study leave. During the year under review, DIRA was tasked to work on the advancement of the University by leveraging on its international linkages to raise funds for the University and promoting UDS programmes to the international community.

International/National Visitors received 2018/2019

The Directorate undertook several activities during the 2018/2019 academic year, 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 as presented below;

Name of Institution/Country	Purpose of visit
Educational Pathways International (EPI), USA	-To conduct interviews for brilliant but needy undergraduate students. Eight (8) students were awarded the EPI Scholarship
Wadhvani Foundation West Africa, NIGERIA	-Collaborating to establish an entrepreneurship centre for staff, students and Alumni of UDS
U.S. Embassy, GHANA	- To discuss collaborative issues
Oxford University, UK	-Collaborating with the Faculty of Education to explore options for Doctoral studies in UDS
Appalachian State University, USA	-To participate in UDS’s Third Trimester Field Practical Programme (TTFPP)
Youth Global Network (YGN), HONG KONG	-To collaborate, learn more about tertiary education and have cultural exchange with UDS students
University of Reading, UK	- To report on update of a Project with the Faculty of Agriculture
University of British Columbia, CANADA	- To renew MoU with UDS
Campus France, FRANCE	- To educate students on how to enroll in Universities in France
Nottingham Trent University, UK	-Collaborative issues especially enrollment of students
Institut Universitaire d’Abidjan, IVORY COAST	- To collaborate with UDS in the areas of students/staff mobility
Universite Norbert Zongo, BURKINA FASO	- To discuss about academic and research collaborations
University of Helsinki, FINLAND	- To discuss about academic collaboration
University College Leuven Limburg, BELGIUM	- To discuss about academic collaboration
Aksum University, the Ministry of Health, ETHIOPIA; Parakou University, BENIN and University of Burundi, BURUNDI	-To understudy SMHS Problem-Based Learning (PBL) and Community-Based Education and Service (COBES) medical curriculum
Shanghai Ocean University, CHINA	- To discuss issues related to development/improvement of Ghana’s tilapia
Boston University of African Studies Centre, USA	- Collaboration on Ghanaian languages, including supporting language instruction, research, and internship opportunities for undergraduate, graduate, and post-graduate students
Auburn University, USA	- Proposed AU-UDS Millet Research Project and to discuss collaboration with faculties

University of Rosario/Ambassador of Columbia in Ghana	- To discuss collaboration
Mount Holyoke University, USA	- To discuss faculty collaboration
AMPATH Consortium, USA	- To discuss collaboration with SMHS
North Carolina Agricultural State University, USA	- To present implementation agreement on field level foundation seed production activities between Savannah Zone Agricultural Productivity Improvement Project (SAPIP) and UDS

Visits/Outreach Programme embarked on by DIRA to Foreign Institutions

Name of Institution/Country	Purpose of visit
Burkina Faso	To carry out recruitment exercise for International students
Nigeria	To carry out recruitment exercise for International students
Japan	Attended the Global Alliance of Disaster Research (GADRI)
Shanghai Ocean University	To seek support for staff and students development capacity building
Gansu Agricultural University	To seek support for staff and students development and capacity building; to establish a Confucius Centre and a Modern Agricultural Science Centre in UDS
Autonomous University of Barcelona	To participate in the Erasmus Staff Mobility and training programme
Galilee International Management Institute, ISRAEL	Workshop in Management of Higher Education Institutes

Scholarships

Through the various collaborations and with the coordinating role of DIRA, some scholarships had been offered to UDS students, staff and alumni. Nine (9) students were awarded the Educational Pathways International (EPI) scholarships, eight (8) alumni were awarded the Gansu Agricultural University (GAU) scholarship and two (2) alumni were also awarded scholarship by the University of Electronic Science and Technology of China (UESTC) as presented below:

Staff and Alumni on Scholarship through DIRA for 2019

Name	University	Programme of study	Country
Seini Yussif Abdul-Fatawu	Univ. of Electronic Science & Technology of China	M.Sc. Electrical Engineering	China
Richard Blankson Safo	Univ. of Electronic Science & Technology of China	M.Sc. Public Administration	China
Abalori Theophilus Atio	Gansu Agricultural University	PhD. Grassland Biodiversity	China
Deborah Osom	Gansu Agricultural University	M.Sc. Crop Genetics and Breeding	China
Dekomah Simon	Gansu Agricultural University	M.Sc. Crop Genetics and Breeding	China
Issahaku Tairu Sumaila	Gansu Agricultural University	M.Sc. Grassland Biodiversity	China
Ojangba Theodora	Gansu Agricultural University	M.Sc. Food Science	China
Sabina Ackah,	Gansu Agricultural University	M.Sc. Food Science	China
Salifu Rafia	Gansu Agricultural University	M.Sc. Food Science	China
Sam Faisal Eudes	Gansu Agricultural University	M.Sc. Food Science	China

Foreign Students’ Interns/Lecturers with UDS

The University received nine (9) foreign nationals during the year under review. One was a postgraduate student who came for exchange programme from Germany Three participated in the Third Trimester Field Practical Programme (TTFPP), three (3) Lecturers from Burkina Faso and Spain respectively as presented below:

Table 2: Foreign students’ interns

Name	Home University	Programme	Faculty/School	Duration
Louise Magdalene Schmidt	University Erlangen-Nuremberg, Germany	Development Economics & Int. Studies	FIDS	Sep. 2018-Dec. 2018
Esther Angosto Blanco	Complutense University of Madrid, Spain	Biotechnology Dept.	FoA	Sep. 2018-Dec. 2018
Linda G. Wilson	The Hague University of Applied Sciences, The Netherlands	Int. Sports Mgt.	Sports Directorate	Nov. 2018-Apr. 2019
Oumar Traore	University of Dedougou, Burkina	Biotechnology Dept.	FoA	Nov. 2018

	Faso			
Sandra G. Millan	University of Santiago de Compostela, Spain	Biodiversity	FNRE	Feb. 2019-Mar. 2019
James Hedrick	Appalachian State University, USA	Env Politics and Political Analysis	DTTFPP	May 2019-Jul. 2019
Lauren Elizabeth Burrows	Appalachian State University, USA	Agroecology and Sustainable Agri	DTTFPP	May 2019-Jul. 2019
Sara Brilliant	Appalachian State University, USA	Env. Studies	DTTFPP	May 2019-Jul. 2019
Pan Hee Lee	KOICA, South Korea	Food Science and Technology	FoA	May 2019-May 2021

UDS Staff/Student on Exchange Programme

Two Professors from UDS went to the Faculty of Veterinary Sciences Autonomia University of Barcelona on the Erasmus K107 mobility grant. A student also visited the Hague University of Applied Sciences in the Netherlands.

Name	University	Faculty	Country
Prof. Frederick Adzitey	Autonomia University of Barcelona	Faculty of Veterinary Sciences	Spain
Prof. Iddris Rahaman	Autonomia University of Barcelona	Faculty of Veterinary Sciences	Spain
Josiah Nang-Bayi	The Hague University of Applied Sciences	School of Medicine and Health Sciences	The Netherlands

MoUs signed between UDS and other International and Local Institutions as at July, 2019

During the period under review, several MoUs and Addendum were signed between UDS and other international and local Universities/Organizations as presented below:

Memoranda signed and renewed as at July, 2019

Partner Institution	Date Signed	Type of Agreement/ Details	Collaborating School/Faculty
Pace University NEW YORK, USA	Dec. 2018	Joint educational, cultural, research activities and exchange of faculty members	SAHS
The Hague University of Applied Sciences, THE NETHERLANDS	Dec. 2018	Collaboration in the training/research work of post-graduate students (PhD) of either parties	General
Commonwealth Scholarship Commission, UK	Nov. 2018	Nomination of individuals for Commonwealth Scholarship	General
Maastricht University, NETHERLANDS	Oct. 2018	Academic Collaboration and Exchange	SMHS
The University of Arizona, USA	Nov. 2018	Research collaboration, development of student exchange, development of training workshops	SoE
Council for Scientific and Industrial Research (CSIR-SARI)	Sep. 2018	Aimed at research and innovation for food and nutrition security as well as sustainable agriculture, including aquaculture.	General
Gansu Agricultural University (GAU), CHINA	Oct. 2018	Training, research and establishment of Confucius Center in UDS	General
Appalachian State University, USA	Dec. 2018	Academic collaboration through TTFPP	General
WADHWANI Foundation, NIGERIA	Jan. 2019	Empowering students with entrepreneurial mindset and leadership capabilities	General
The Mandella Institute for Development Studies (MINDS), SOUTH AFRICA	Jan. 2019	Creating a pool of young African leaders across the continent by offering scholarships	General
University of Stuttgart, GERMANY	Feb. 2019	Collaboration of joint research projects, staff/student exchange	SoE

Savannah Zone Agricultural Productivity Improvement Project (SAPIP)	May 2019	Field level foundation seed production activities	FOA
International Youth Fellowship, SOUTH KOREA	Jul. 2019	Provide professional training and education to foster and nurture the youth who are the leader	General
SUSEONG University, SOUTH KOREA	Jul. 2019	Collaboration of joint research projects, staff/student exchange	General
Botswana Accountancy College (BAC), BOTSWANA	Jul. 2019	Collaboration of joint research projects, staff/student exchange	General
Copperbelt University (CBU), ZAMBIA	Jul. 2019	Collaboration of joint research projects, staff/student exchange	General
AAFT University of Media and Arts, INDIA	Jul. 2019	Collaboration of joint research projects, staff/student exchange	General
Tamale College of Education (TACE), GHANA	Jul. 2019	Collaboration of joint research projects, staff/student exchange	General
Universite General Lansana Conte de Sonfonia-Conakry (UGLC-SC), GUINEA	Jul. 2019	Collaboration of joint research projects, staff/student exchange	General
Epic Bible College & Graduate School, USA	Jul. 2019	Collaboration of joint research projects, staff/student exchange	General
Boston University of African , USA	Jul. 2019	Support the development of African studies at UDS	General

Advancement

DIRA explores grants and scholarship opportunities for various activities for staff, students and alumni. New programs are being prepared for English language teaching for Francophones and African Studies for foreign students. A five-year internationalization strategic plan (2019-2024) is being prepared by the Directorate to affirm UDS’ position as a unique and global institution to promote and advance UDS concept of higher education.

Conclusion

DIRA has made considerable progress in the last academic year in promoting linkages globally and will continue to do so for the mutual benefit between and among institutions and organizations.

OFFICE OF THE DEAN OF STUDENTS’ AFFAIRS

Introduction

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, Tamale Campus and has supporting offices on the various campuses of UDS. 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 students’ groups on the campuses. It further serves as the link between management of the University and the various students’ associations/organisations.

Office of the Dean of Students’ Affairs, Tamale Campus

Staff

Name	Qualification	Rank/Position
<i>Galaa, S. Z.</i>	<i>B.A., Ph.D. (Ghana), M.Phil. (Oslo, Norway)</i>	<i>Assoc. Prof./Dean of Students’ Affairs</i>
<i>Aryee, P. A.</i>	<i>B.Sc., M.Phil. (Ghana), M.Med.Sc. (Sheffield, UK), Ph.D. (Southampton, UK)</i>	<i>Snr. Lecturer/Vice Dean of Students’ Affairs, Tamale Campus</i>
<i>Wonnia, K. L.</i>	<i>Tr. Cert. ‘A’ (Batco, Tamale, Gh), Cert. HRM (GIMPA, Accra, Gh), Dip. Bus. Edu (KATTC, Kumasi, Gh) BMS, MBA (UCC, Cape Coast, Gh)</i>	<i>Ass.t Registrar</i>

Office of the Senior Hall Tutor, Tamale Campus

Staff

Name	Qualification	Rank/Position
<i>Wemakor, A. K.</i>	<i>B.Sc. (UDS, Tamale, Gh.), M.Sc. (KSL, Ghent, Belgium), Ph.D. (UU, Belfast, UK)</i>	<i>Lecturer/Snr. Hall Tutor, SAHS</i>
<i>Acquah E. K. S</i>	<i>BSc. (KNUST, Kumasi, Gh.), M. Phil. (KNUST, Kumasi, Gh.)</i>	<i>Lecturer/Snr. Hall Tutor, SMHS</i>

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 Clinical Hostel located at the Tamale Teaching Hospital (TTH) with a bed capacity of 32. The Sagnarigu Hall has two (2) porters, two (2) security personnel and eight (8) female cleaners and the Clinical Hostel three (3) female cleaners, one (1) male worker and two (2) security personnel.

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

Name	Qualification	Rank/Position
<i>Adu-Gyamfi, R.</i>	<i>B. Sc. (UDS, Tamale, Gh.) M.Phil., Ph.D (Reading, UK)</i>	<i>Snr. Lecturer/Vice Dean of Students’ Affairs</i>
<i>Ayamga, M.</i>	<i>B.Sc. (UDS, Tamale, Gh), M.Phil., Ph.D (Ghana.)</i>	<i>Snr. Lecturer/Snr. Hall Tutor</i>
<i>Lamptey, S.</i>	<i>B.Sc. (UCC, Cape Coast, Gh.), M. Phil. (Ghana.), PhD (Gansu., China)</i>	<i>Snr. Lecturer/Snr. Hall Tutor</i>

Residential Facilities

The Campus has 3 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 beds respectively with occupancy of 4 per room. The Post Graduate hostel has 10 rooms with occupancy of 2 per room. The office lost a head porter at the Tamale Campus during the period under review.

Office of the Vice-Dean of Students’ Affairs, Wa Campus Staff

Name	Qualification	Rank/Position
<i>Baataar, C.K.M.</i>	<i>Diploma, B.A (UCC, Cape Coast, Gh.,) Ph.D, (Ghana)</i>	<i>Senior Lecturer/Vice Dean of Students’ Affairs</i>
<i>Agyemang I.</i>	<i>BSc. (KNUST, Kumasi, Gh.) MHE (Brussels) ICHE, (Switzerland), Ph.D, (Leeds, UK)</i>	<i>Senior Lecturer/Senior Hall Tutor (Male)?</i>
<i>Bamora F.</i>	<i>Dip, B Ed., (UCC, Cape Coast, Gh.) Post Dip., PhD (Univ. of Hull, UK)</i>	<i>Snr. Lecturer/ Senior Hall Tutor (Female)</i>
<i>Kalinsi, S.K.</i>	<i>B.A, (UDS, Wa, Gh.), M.Sc. (KNUST, Kumasi, Gh.)</i>	<i>Lecturer/Snr. Hall Tutor</i>
<i>Anbazu J.</i>	<i>Tr. Cert. ‘A’, (St. John Bosco Training College, Navorongo, Gh.), Dip.; M. Ed., (UCC, Cape Coast, Gh.), M.Phil (UDS, Tamale, Gh.)</i>	<i>Assistant Registrar</i>

Residential Facilities

The Wa Campus has 5 halls of residence namely: Cardinal Dery with bed capacity of 60, Jubilee has bed capacity of 59, Royal has 58 bed capacity, Limann has 40 bed capacity and Upper West has 25 bed capacity. The five halls have three Senior Hall Tutors (two male and one female) and three Hall Assistants.

Office of the Vice-Dean of Students’ Affairs, Navrongo Campus Staff

Name	Qualification	Rank/ Position
Ohene, B. A.	B.Sc. (UDU, Sokoto, Nig.), M.Sc. (BUK, Kano, Nig.), Ph.D (KNUST, Kumasi, Gh.)	<i>Snr. Lecturer/Vice-Dean of Students</i>
Katara, S.	HND, (Tamale Polytechnic, Tamale, Gh.), B.Sc., (UDS, Tamale, Gh.) M.Phil, Ph.D, (KNUST, Kumasi, Gh.)	<i>Snr. Lecturer/Snr. Hall Tutor</i>
Angbing, I.	B.Sc., (UDS, Tamale, Gh.), M.Sc., (Carolina, Charlotte, USA)	<i>Lecturer/Snr Hall Tutor</i>

Residential Facilities

The Navrongo Campus currently has 3 halls of residence for students. These include the Navro hall, the Savannah hall and the Ecowas Hall. The Navro Hall accommodates only females and Ecowas and Savanna Halls accommodate the male student body. These halls have the capacity to fully accommodate 336 students in all (Navro Hall 156, Ecowas Hall 100, and Savanna Hall 80).

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 and with other Counsellors located on the various Campuses of the University.

Staff:

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

Programmes and Activities

The Office of the Dean of Students’ Affairs (ODSA) and the Guidance and Counselling Units on the Campuses embarked on the following during the year under review:

1. The UDS was represented by staff of the Dean of Students’ Affairs (DoSA) at the 12th Ghana Higher Education Fair series for Senior High School students to showcase study programmes in the UDS in Bolgatanga, Kumasi, Wa, Koforidua and Ho between January and February 2019;

2. The Office of the Dean of Students’ Affairs (ODSA) was represented by the Accra Office at the Unilever Africa Idea Trophy Competition 2018 National finals in Accra on November 9, 2018. UDS students were part of the 4th team represented by Miss Kassim Zulaiha, a BSc. Agribusiness Student and Avereiyreh Frederick Ajigetina, a BSc. Biochemistry. Each received a shopping voucher award for placing the 4th position in the competition;
3. The Counselling unit organised exit training programmes for level 400 students on the various campuses, focusing on career developing issues, job search, how to write a Curriculum Vitae (CV) and preparations for marriage etc. in March, 2019;
4. 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 of the UDS;
5. GNPC scholarship awardees in UDS for 2018/19 were verified by the ODSA in February. In all 32 awardees were involved: 27 undergraduate and 5 postgraduate students;
6. The DOSA has recommended ten (10) needy students, four each from Tamale and Nyankpala Campuses and two from Navrongo for the award of scholarships by **Kenneth Dadzie memorial/Standard Chartered Science Education Trust** for Science students for the 2019/20 academic year;
7. The British Council’s information sessions on available scholarships to study in UK came off on November 24, 2018 at the Tamale Campus of UDS;
8. A capacity building training programme on skills development for final year students organised by Barclays Bank with the support of DoSA came off at the Wa Campus on 14/11/18. Over two hundred students benefited from the programme;
9. The visits by a representative of Campus France to the various Campuses of UDS came off from 28th through to 31st, January 2019. Students were taken through post graduate study and scholarship opportunities in France as well as advantages for selecting France as a study destination for UDS students. It was advocated during the sessions that UDS be treated on equal footing as Legon and the University of Cape Coast when Campus France is processing applications for scholarships from past students of UDS;
10. The restructuring committee of Ghana Universities Debate Association (GUDA) has completed its work and an amended constitution to the effect has been presented to the GUDA council for ratification. The amended constitution has proposed the establishment of an advisory board to the council to be constituted of university management;

11. A capacity building seminar for UDS students with disabilities, founded by the Ghana Federation of Disability Organizations (GFDO) in collaboration with the UDS Counselling Unit, came off on January 22, 2018. It came up during the training that UDS should work towards being a certified disability friendly institution by ensuring that all disability requirements are met. The UDS should also be more sensitive to students with special needs than it has been in the past;
12. Counselling Unit of the University for Development Studies on the request of GUDA developed a Counselling Manual for students with special needs in universities in Ghana. The manual seeks to incorporate the needs of students with special needs into the activities of counseling units and would make it possible for them to solicit financial support from GFDA for planned activities. For effective implementation and coordination of the needs of SWSNs it is also proposed that management of UDS considers appointing a Tutor for Students with Special Needs (TSSN) or re-designating the Senior Tutor for Gender (STG) as Senior Tutor for Gender and Students with Special Needs G&SSN) in each of the Campuses;
13. The handing over ceremonies of the various Campuses came off successfully leading to the handing over of the Central SRC executive in Tamale on May 23, 2019. The Tamale Campus now hosts the Central SRC executive;
14. A contingent of the UDS cadets corps participated in the Youth Republic Day Parade at the Black Star Square, Accra on July 1, 2019, under the theme: “A United Youth Pre-requisite for National Development”;
15. The DoSA office aided the National Commission for Civic Education (NCCE) in the establishment and inauguration of Civic Education Clubs on the Campuses;
16. The DoSA office facilitated the participation of our students in the Ghana Universities Debate championship competition held in Koforidua in July 2019;
17. DoSA office coordinated issues pertaining to students’ scholarships particularly Ghana National Petroleum Corporation (GNPC), Barclays Bank, Standard Chartered Bank and Tertiary Education Scholarship Trust (TEST) for Ghana;
18. Two (2) of Ford C3, Cycle 4 or 5 students from Navrongo Campus were selected together with sixteen (16) others worldwide, for a week long program at Ford Motor Company’s headquarters in Dearborn, Michigan, USA.
19. The Student Parliament of the Navrongo Campus Chapter, participated in a training session organised by the Westminster Foundation and Parliament of Ghana, formed an NCCE Civic Club and participated in the Commonwealth Debate at Parliament house, for the year under review.

Scholarships available for students

The office of the Dean of Students’ Affairs, facilitated the processing of scholarships to brilliant (GPA of 3.5 or above) but needy students to enable them meet their financial

obligations at school. Accordingly, the following organizations and institutions awarded scholarships to our needy students:

- Mathematics Science and Technology Scholarship Scheme (MASTESS);
- Ghana National Petroleum Corporation (GNPA);
- Tertiary Education Scholarship Trust for Ghana (Test for Ghana);
- Barclays Tertiary Education Fund;
- 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

Galaa, S. Z.

1. Huruna, U; Dandeebo, G & **Galaa, S.Z.** (2019). Improving Access to Utilisation of Maternal Health Care Services in Rural Ghana: A Qualitative Study. *Advances in Public Health*. Vol 2019. <https://doi.org/10.1155/2019/9181758>.
2. Anabe, R.; Atuoye K.N; Sano Y.; Kuuire, V.Z.; **Galaa, S.Z.** & Luginaah I. (2019) Health Insurance Enrolment in the Upper West Region of Ghana: Does Food Security Matter? *International Journal of Health Planning and Management*. <https://doi.org/10.1002/hpm.2857>.
3. Umar, H., Kansanga, M.M., **Galaa S.Z.** (2018). Examining the unresolved conundrum of Traditional Birth Attendants’ involvement in maternal and child health care delivery in Ghana. *Health Care for Women International*. <https://doi.org/10.1080/07399332.2018.1540006>
4. Sano, Y; Antabe, R; Atuoye K.N; Braimah A. J; **Galaa S.Z**; Luginaah. I. (2018). Married Women's Autonomy and Post-Delivery Modern Contraceptive Use in the Democratic Republic of Congo. *BMC Women's Health*. *BMWH-D-17-00362R2*

Alale, A. A.

1. Alale, A.A. (2019). Provision of guidance and counselling services in colleges of education in northern Ghana. *Journal for Education and Practice* Vol. 10, No. 14 (2019). [iiste/journal/index.php/JEP](http://iiste.org/journal/index.php/JEP).
2. Alale, A. A. & Namale, M. K. (2018). The perception of students towards the provision of guidance and counselling services in colleges of education in northern Ghana. *International Journal of Psychology and Education (IJOPE)*, Vol.1, 2018.
3. Alale, A. A. (2018). Evaluation of the implementation of selected guidance services in senior high schools in the Sagnarigu Municipality. *UDS International Journal of Development (UDSIJD)*, Vol. 5 No. 2, 2018.

THIRD TRIMESTER FIELD PRACTICAL PROGRAMME DIRECTORATE**Staff**

Name	Qualification	Rank/Position
<i>Obeng, F. K.</i>	<i>BSc, Dip ED, M.Phil. (UCC, Cape Coast, Gh), Ph.D (Amsterdam)</i>	<i>Assoc. Prof / Director</i>
<i>Fuseini, M.</i>	<i>B.Com.(UCC, Cape Coast, Gh) ICAG, CEMBA (KNUST, Kumasi, Gh)</i>	<i>Accountant</i>
<i>Chikpah, S. K.</i>	<i>B.Sc., M.Phil (UDS, Tamale, Gh)</i>	<i>Lecturer/Programme Coordinator (On study leave)</i>
<i>Tizie, A.</i>	<i>HND (TaTU, Tamale, Gh)</i>	<i>Principal Administrative Assistant/Secretary</i>

Faculty/School Coordinators

Faculty/School	Campus	Name of TTFPP Coordinator
Faculty of Agriculture	Nyankpala	Dr. Gustav Mahunu
Faculty of Agribusiness & Communication Sciences	Nyankpala	Dr. Sylvester Ayimbila
Faculty of Natural Resource & Environment	Nyankpala	Dr. Rikiatu Hussein
School of Medicine & Health Sciences	Dungu, Tamale	Mr. Kwame Opere Asamoah
School of Allied Health Sciences	Dungu, Tamale	Dr. Abdul Nashirudeen Mumuni
Faculty of Applied Sciences	Navrongo	Dr. Musah Rabi
Faculty of Mathematical Sciences	Navrongo	Dr. Baba Seidu
Faculty of Integrated Development Studies	Wa	Dr. Raymond Aabeyir
School of Business & Law	Wa	Mr. Allou Leander A.
Faculty of Planning & Land Management	Wa	Dr. Kennedy Alatinga
Faculty of Education	Dungu, Tamale	Alhaj Mohammed Bello Zuberu
School of Engineering	Nyankpala	Ing. Issahaku Mubarick
Faculty of Geosciences	Navrongo	Mr. Mohammed Abu

Activities

Some activities carried out by the Programme include:

- TTFPP committee meeting to review the activities of previous year and plan for 2018/19 academic year activities.
- Meeting between UDS Management and Regional Coordinating Councils of the Upper East and Bono East Regions.

- Meetings between staff of directorate and selected Municipal/District Assemblies of the Upper East and Bono East Regions.
- Orientation Workshops for TTFPP District Coordinators
- Selection of new districts and the conduct of community mapping
- Dispatch of students to communities in the selected districts
- Monitoring of students in the communities by district coordinators, Directorate staff, management staff, deans and directors.
- Orientation workshops for assessors
- Assessment/ examination of students in the communities
- Discuss and approve TTFPP Results for 2018/19 academic year and review of Level 200 TTFPP activities in Kintampo.

Extent of Coverage

In all a total of 7,185 students were deployed in 599 rural communities spread across Bono East, Northern and Upper East Regions with the breakdown as indicated Table 1.

Table 1: Student Distribution in 2018/2019.

Level	No. of Districts	No. of Communities	No. of Students
200	13	298	3,576
100	13	301	3,609
Total	26	599	7,185

TTFPP Achievements for the year

This year’s programme was organised successfully. There was maximum cooperation between students and staff and this ensured the success achieved. Relationships between staff and students and members of the host communities were very cordial and the participation of community members was very active. Some remarkable achievements that need special mention are:

1. First year students in Ahotor Community in the Atebubu-Amanten Municipality succeeded in getting an NGO (Ekow Ewusi Foundation) to donate 200 dual dest furniture to the local basic school that had been without furniture since 2015.
2. Second year students in a community in East Mamprusi Municipal succeeded in securing funding from the Qatar Foundation to build boreholes in six communities in the municipality.
3. Second year students in communities in Central Gonja, East Gonja and Mion Districts donated various items including dustbins, water filter buckets, weighing scales and teaching and learning materials. Some also organised clean up activities in their communities.

4. Students engaged in teaching in the basic schools, Junior High and Senior High Schools in communities that lacked or did not have the full complement of teachers.

Challenges

Mobilisation of transport, especially buses, for conveying students to their various communities for such an important but complex programme remains a challenge that must be looked at to ensure sustainability. In spite of thos major challenge, the university will continue to innovate and improve upon the programme to make it more relevant to current demands of society.

ICT DIRECTORATE

The core function of the Directorate of ICT is to create an enabling environment for the University to deliver its mission to students and staff. The key strategic objectives of the University over the next four years include reducing financial pressures, and promoting greater organisational efficiencies through technology without compromising on quality. To this end, the University envisages ICT as a tool essential for revolutionising its operations.

The Director of ICT and the team have established a very sound programme for research, project management, risk and financial management, backed by effective governance framework that will ensure the University’s ICT infrastructure remains fit for purpose. In supporting the University to achieve its strategic objectives, the Director of ICT and the team have provided leadership and drive for organisational and business transformation through the appropriate deployment of cost-effective solutions based on sound academic and business needs. Further steps have also been taken to enhance the University’s income generation through ventures such as running short courses in ICT and consultancy services.

During the year under review, the Directorate successfully carried out some major and innovative projects and programmes including:

UDS Official Mobile App: The University has launched its official Mobile App called **UDS Express**. UDS holds intellectual property of this app, and it is wholly developed and maintained by the Directorate of ICT. The app intends to serve the needs of students, staff and alumni of UDS. The idea that UDS Express will serve as a mobile companion of various web solutions implemented for the University community leaves users with such benefits as: latest news; announcements and events; results checker for students; academic performance tracker that presents detailed statistics of student’s

performance; e-counselling for students and staff; digital service request; and campus intercom. Since UDS express has been accepted by Google for publication, all security requirements have been fulfilled and users are safe using this app.

Smart Office Management System (SOMS): In line with the ICT strategic plan of the University, the Directorate of ICT has initiated moves to automate all administrative processes in UDS towards efficiency and cost reduction. First, a Smart Office Management System has been developed and deployed by the Directorate of ICT. This system manages all aspects of in-bound and out-bound mails in the University; internal memorandum management; e-counselling administration; instant messaging; and instant notification to staff and students. Second, this system has been integrated with both the UDS website and UDS Express for easy dissemination of information. News, announcements and events published on the UDS website are displayed in SOMS’ user accounts after login.

VoIP Service: The Directorate of ICT designed and implemented an infrastructure for Voice over IP (VoIP) Phone System, streamlined with the existing Internet infrastructure of the University at no extra cost. This technology has an edge over the traditional Public Switched Telephone Network (PSTN) since VoIP calls are free, and also allows the transmission of voice and multimedia content over internet-based networks. In order to take full advantage of this VoIP service, the Directorate has configured the service to work with both physical and soft IP phones. This configuration will allow staff and students to use their smart phones for the service. Further, the success of the University’s local VoIP Phone system inspired the Directorate of ICT to team up with the Ghana Academic Research Network (GARNET) to scale up the VoIP network to include other public universities in Ghana. At the time of this publication, 8 public universities were part of the nationwide GARNET VoIP network. All users of the UDS VoIP service enjoy free local and external calls without prepaid or post-paid packages required by PSTN providers.

Certificate Verification System: The unending menace of academic fraud in Ghana inspired the Directorate to develop an electronic certificate verification platform for UDS. This system is first of its kind for any tertiary institution in Ghana, and seeks to protect the integrity of UDS certificates. All security configurations have been considered in design, and the system provides a secure channel for payment and transmission of verified credentials.

EduRoam: This is a collaborative project implemented in some public universities in Ghana. The aim of this project is to provide a global Wi-Fi access for students and staff of all public universities irrespective of one’s institution. Once Wi-Fi credentials are generated

at an institution, the same credentials can be used for internet access at any public university.

Real-Time Student Results Verification: The Directorate implemented a real-time WASSCE results verification framework for UDS admissions. This system has successfully stopped all results falsification activities associated with most admissions fraud. Unlike the previous post-admission verification strategy, all suspected fake results are automatically blocked by the system during admissions.

Restructuring of the Directorate of ICT: The directorate has been restructured into three functional units: **Architecture and Infrastructure Unit; Training and Consultancy Unit;** and **Digital Innovation and Research Unit.** These units constitute expert groups that ensure proper governance and division of labour within the Directorate. Essentially, the Digital Innovation and Research Unit engages in strategic thinking, which involves continuous assessment of the University’s ICT needs in both the short- and long-term.

Staff

The Directorate of ICT currently has a staff strength of 15; comprising of **4 Senior Members, 6 Senior Staff and 5 Junior Staff.**

Staff

Name	Qualification	Rank/Position
Mohammed, A. W.	PhD. (UESTC, Chengdu, China), MSc. (IUSS, Pavia, Italy), BSc. (KNUST, Kumasi, Gh)	Director of ICT
Dittoh, F.	MSc. (Netherlands), BSc. (KNUST, Kumasi, Gh)	Webmaster
Sam, B.N.	MSc. (KNUST, Kumasi, Gh), BSc. (UCC, Cape Coast, Gh), HND (TTU, Takoradi, Gh)	Research Development Officer
Aristotle, J.B.	MSc. (UESTC, Chengdu, China), BSc. (KNUST, Kumasi, Gh)	Systems Analyst

City Campus



UNIVERSITY FOR DEVELOPMENT STUDIES **CITY CAMPUS**

Graduate School

**Institute for Interdisciplinary Research
& Consultancy Services
(IIRaCS)**

**Institute for Distance &
Continuing Education
(IDCE)**

**Business Innovation &
Incubation Centre
(BIIC)**



1

Graduate
School

2

Institutes

1

Centre



UNIVERSITY FOR DEVELOPMENT STUDIES
CITY CAMPUS

Graduate School

Institute for Interdisciplinary Research
& Development Studies
(IIR&DS)

Institute for Distance &
Continuing Education
(IDCE)

Business Innovation &
Incubation Centre
(BIIIC)

Schools/Faculties/Institutes/Centres under City Campus

- Graduate School (GS)
- Institute for Distance and Continuing Education (IDCE)
- Institute for Interdisciplinary Research and Consultancy Services (IIRaCS)
- Business Innovation and Incubation Centre (BIIC)



UNIVERSITY FOR DEVELOPMENT STUDIES
CITY CAMPUS

Graduate School

**Institute for Interdisciplinary Research
& Consultancy Services
(IIRaCS)**

**Institute for Distance &
Continuing Education
(IDCE)**

**Business Innovation &
Incubation Centre
(BIIC)**

GRADUATE SCHOOL

Introduction

The Graduate School is the main coordinating unit of graduate programmes run by Faculties and Schools in the University and is currently located at the Tamale Campus of the University in Dungu.

All the Graduate programmes are at the levels of PGD, MA, MSc, MCom, 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

1. Faculty of Integrated Development Studies

- PhD in Endogenous Development
- MPhil. in Development Studies
- MA in Development Communication
- MA in Social Administration
- MA in Peace and Development Studies
- MA in Environment and Resource Management
- MA in Development Economics

2. Faculty of Planning and Land Management

- MSc. in Development Management
- MSc Strategic Planning and Management
- MA in Environmental Security and Livelihood Change
- MA in NGO Management and Rural Development
- MA in Community Development

3. School of Business and Law

- MA in Leadership and Development
- MA Business Planning and Microfinance Management
- MA in Management Studies
- MSc in Accounting
- Master of Commerce (Options: Accounting, Human Resource, Banking & Finance, Procurement & Supply Chain Management)

4. Faculty of Education

- Post Graduate Diploma in Education
- Master of Education in Training and Development
- Master of Arts in Development Education

- Masters in Agricultural Education
5. **Faculty of Agriculture**
 - MSc in Horticulture
 6. **Faculty of Mathematical Sciences**
 - Post Graduate Diploma in Applied Statistics/Data Management
 - Post Graduate Diploma in Computer Science
 7. **Faculty of Agribusiness**
 - MSc/MPhil Agricultural Economics
- B. Full-time programmes**
1. **Faculty of Integrated Development Studies**
 - M.Phil. in Development Studies
 - M.Phil. in Environment and Resource Management
 - M.Phil./Ph.D. in Social Administration
 2. **Faculty of Planning and Land Management**
 - M.Phil. in Development Management
 3. **Faculty of Applied Sciences**
 - MSc./MPhil/PhD. In Applied Chemistry
 4. **Faculty of Mathematical Sciences**
 - MPhil. in Mathematics/Computational Mathematics
 - MPhil. in Statistics/Applied Statistics/Biometry
 5. **Faculty of Agriculture**
 - M.Sc./M.Phil./Ph.D. in Soil & Water Conservation & Management
 - M.Sc./M.Phil./Ph.D. Post-Harvest Technology
 - M.Sc./M.Phil./Ph.D in Animal Science
 - M.Sc./M.Phil./Ph.D. in Biotechnology
 - M.Sc./M.Phil./Ph.D in Agronomy
 - M.Sc./M.Phil./Ph.D in Horticulture
 6. **Faculty of Agribusiness and Communication Science**
 - M.Sc./M.Phil./Ph.D. in Innovation Communication
 - M.Sc./M.Phil./Ph.D in Agricultural Economics

- Master of Science in Integrated Rural Development

7. School of Allied Health Sciences

- MSc/MPhil. Community Health and Development
- MPhil. Public Health Nutrition
- MPhil./PhD. Chemical Pathology

8. School of Medicine and Health Sciences

- Mater of Public Health

9. Faculty of Environment and Natural Resources

- MPhil. Fisheries
- MPhil./PhD. Environmental Management and Sustainability

10. School of Engineering

- MPhil. Irrigation and Drainage Engineering

Members of the Board of Graduate School

The Membership of the School’s Board is constituted to cater for the needs of all the constituents in the University as stated in the Statutes. The current Membership of the Board of Graduate School is as follows:

Name	Faculty/School
Prof. Elias N. K. Sowley	Dean, GS
Dr. Abu Moomin	FoA
Prof. George Nyarko	FoA
Prof. Stephen Twum	FMS
Dr. Abukari Alhassan	FMS
Prof. Emmanuel K. Derbile	FPLM
Dr. Kwabena Badu-Yeboah	FPLM
Dr. Awudu Sare Yakubu	SBL
Dr. Stephen Kpinpuo	SBL
Prof. Samuel A. Donkoh	FACS
Dr. Nashiru Sulemana	FACS
Mr. Oseni Lateef Adebayo	FAS
Dr. Addai-Mensah Donkor	FAS
Dr. Paul K. Nkegbe	FIDS
Prof. Osumanu Kanton	FIDS
Dr. Anthony K. Donkor	FoE
Dr. Ibrahim Mohammed Gunu	FoE

Name	Faculty/School
Prof. Herbert K. Dei	Director, DAPQA
Dr. Akwasi Ampofo-Yeboah	FNRE
Dr. Bernard N. Baatuuwie	FNRE
Dr. Florence Dedzoe-Dzokotoe Plockey	Library
Dr. Abdulai Abubakari	IIRaCS
Dr. Felix Longi	IIRaCS
Prof. Nafiu Amidu	SAHS
Dr. Humphrey Garti	SAHS
Ing. Dr. Shaibu Abdul-Ganiyu	SoE
Ing. Prof. Felix Abagale	SoE
Prof. Callistus Kuubiere	SMHS
Dr. Abass Alhassan	SMHS
Prof. Ewmmmanuel Arhin	FEES
Dr. Melvin-Guy Adonadaga	FEES
Dr. Ebenezer Owusu-Sekyere	IDCE
Mr. Thomas A. Azuure	Secretary

Staff Strength and Faculty Support

The School has a small number of staff to cater for central coordination of graduate activities, whilst teaching and supervision of student research and outreach activities of both sandwich and full-time programmes are executed by staff of Faculties/Schools augmented by appointed Visiting Professors.

The School has eight (8) support/administrative staff made up of the Dean, a Senior Assistant Registrar, Principal Accounting Assistant, four Senior Staff and three junior staff.

Staff

Name	Qualification	Rank/Position
Sowley, E. N. K.	<i>Dip. Ed., B.Sc. (UCC, Cape Coast, Gh), M.Phil. (Ghana), Ph.D. (Reading, UK)</i>	<i>Associate Professor</i>
Azuure, T. A.	<i>BA, MPA (Ghana)</i>	<i>Senior Assistant Registrar</i>

Graduation

The School graduated the following numbers in various disciplines during the Special Congregation in April 2019.

i.	PhD Social Administration	1
ii.	PhD Innovation Communication	2
iii.	PhD Crop Science	1
iv.	MPhil/MSc/MA (various)	208
v.	Post Graduate Diploma in Education	9

Admissions

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

Research Activities of the Dean

1. Field and Postharvest pathology of root and tuber crops.
2. Evaluation of plant extracts for the control of pathogenic fungi. .
3. Epidemiology and control of *Cercospora* leaf spot disease of groundnut.

Conferences/Seminars/Workshops

1. Training on Internationalisation of Research, Innovations in Education and Resource Mobilisation held at the UDS International Conference Centre, Tamale from 11th – 12th February 2019.
2. International Water, Sanitation and Hygiene (WASH) Conference held at the Tamale Campus of the University for Development Studies from 16th – 17th January 2019.
3. Doctoral Forum, organised by the Doctoral Researchers Association of Ghana at the University of Ghana on 23rd November 2018.
4. 18th Annual General Meeting and Conference of the Ghana Institute of Horticulturists (GhIH) from 11th – 12th October 2018.
5. Quality Assurance (QA) Knowledge & Skills for the 21st Higher Education Personnel Workshop held at the UDS International Conference Centre from 2nd – 5th October, 2018, Tamale.

Publications

Kwodaga, J. K., Sowley, E. N. K. and Badii, B. K. (2019). Antifungal activity of some plant extracts against *Colletotrichum gloeosporioides* (Penz.) the causative agent of yam anthracnose disease. Archives of Phytopathology and Plant Protection
<http://doi.org/10.1080/03235408.2019.1604303>

- Sowley E. N. K., Kankam F. and Kundo D. A. (2018).** Comparative study on the incidence of white mould (*Sclerotinia sclerotiorum*) on stored carrot within two markets in the Tamale Metropolis. *Asian Journal of Agriculture and Food Sciences* 6 (6): 202 – 208.
- Kankam F., **Sowley E. N. K.** and Ibrahim A. (2018). Evaluation of Cowpea (*Vigna unguiculata*) Genotypes for Resistance of Web Blight Caused by *Rhizoctonia solani*. *Asian Journal of Research in Crop Science* 2(3): 1-7.
- Sowley E. N. K., Kankam F. and Tawiah E. (2018).** Comparative Study on the incidence of *Aspergillus flavus* in Farmer’s Field and Stored Maize (*Zea mays*) Seed in Northern Region of Ghana. *Asian Plant Research Journal* 1(2): 1-7.
- Kankam F., **Sowley, E. N. K.** and Qiu Huizhen (2018). Influence of 3-Methylthiopropionic acid (MTPA) produced by *Rhizoctonia solani* AG-3 on yield, yield components and dry matter accumulation of potato. *Asian Journal of Research in Crop Science* 2(2): 1-9.

INSTITUTE FOR DISTANCE AND CONTINUING EDUCATION (IDCE)

Introduction

The Institute for Distance and Continuing Education (IDCE) is located at the Tamale City Campus at Choggu near the Tamale Technical University. The Distance Learning (DL) programme is the brain child of the current Vice-Chancellor Prof. Gabriel A. Teye of the University for Development Studies (UDS). It was established in 2016.

Objective: To provide quality tertiary education to Ghanaians who for many reasons cannot directly access the traditional campus based (face-to-face) learning.

Office of the Director

Staff

Name	Qualification	Rank/Position
Owusu-Sekyere, E.	<i>Ph.D. (Ghana)</i>	<i>Snr. Lecturer, Director</i>
Bawa, Judith, A. K.	<i>M.A. (Reading, UK)</i>	<i>Snr. Research Fellow/ Deputy Director</i>
Winbilah, K. A.	<i>M. Phil. (UCC, Cape Coast, Gh)</i>	<i>Snr. Asst. Registrar</i>

Student Admissions by Study Centre, 2018/19 Academic year

Level 100

Centre	Programme	Male	Female	Total	Programme	M	F	TO
Tamale	Basic Educ.	37	40	77	Agric. Sci	10	10	20
Yendi		43	29	72				
Sawla		41	65	106				
Bawku		8	11	19				
Bimbilla		76	131	207				
Walewale		8	8	16				
Wa		29	38	67	BCOM	10	6	16
Jirapa		24	22	46				
Sandema		25	18	43				
Navrongo		5	7	12				
Kpandai		20	12	32				
Grand Total		316	381	697				

Level 200 Diploma and Degree

Centre	Programme	Male	Female	Total	Laddering	M	F	Total
Tamale	Basic Edu	27	17	44				
Yendi		29	14	43				
Sawla		21	29	50				
Bawku		16	8	24				
Bimbilla		43	78	121	Degree	41	59	100
Grand Total		136	146	282		41	59	100

Level 300

Centre	Programme	Male	F/male	Total	Programme	M	M	Total
Tamale	Post Dip BE	5	9	14	P/Dip ECCE	1	5	6
Yendi		14	6	20				
Sawla		25	13	38		5	6	11
Bawku		5	2	7		-	8	8
Bimbilla		86	54	140				
Walewale								
Centre	Programme	Male	F/male	Total	Programme	M	M	Total
Wa		18	4	22				
Jirapa		8	4	12		-	4	4
Sandema		-	3	3			2	2
Navrongo								
Kpandai		8	2	10		6	4	10
Grand Total		169	97	266		12	29	41

LEVEL 400

Centre	Programme	Male	Female	Total	Programme	M	F	Total
Tamale	Post Dip B.E	14	9	16	Early CCE	1	5	6
Yendi		5	1	6				
Sawla		18	6	24		-	5	5
Bawku		5	2	7				
Bimbilla		10	1	11				
Grand Total		52	19	71		1	10	11

Staff

Name	Qualification	Rank/Position
Bawa, Judith, A. K.	Dip, (Ghana). M.A. (Reading, UK), PGC, (Nairobi, Kenya), MA, (Reading, U.K.)	<i>Snr. Research Fellow</i>

Publications 2018/19 Academic Year

Owusu-Sekyere E

1. Dacosta, A., Adu-Prah, S., **Owusu-Sekyere E.** (2019). Exposures to multiple biophysical stressors and response capacities of riparian communities in Ghana. *GeoJournal* 1-14 doi.org/10.1007
2. Osumanu, I., K, Akongbangre, J., N., Tuu. N-Y. & **Owusu-Sekyere, E.** (2018). From patches of Villages to a Municipality: Time, Space and Expansion of Wa, Ghana. *Urban Forum*, 1-8
3. **Owusu-Sekyere, E.,** Jengre, E. & Alhassan, E. (2018). Begging in the City: Complexities, Degree of Organization, and Embedded Risks. *Child Development Research*, 23. (10) 1-9
4. **Owusu-Sekyere, E.** (2019). Creative individuals, “Kaya Bola” exceptionalism and sustainable development in twenty-first century Ghana *Journal of Global, Entrepreneurship Research* 9 (54)1-17

Publications 2018/19

Bawa Judith, A. K.

1. Absence of Effects of Herbicides Use on Yam Rots: A Case Study in Wulensi, Ghana.
2. Abukari Wumbei, Mamudu A. Akudugu, **Bawa Judith A K.** Michael Houbraken, and Pieter Spanoghe. (MDPI Journal of Agronomy 2019, Vol. 9 No 95).

INSTITUTE FOR INTERDISCIPLINARY RESEARCH AND CONSULTANCY SERVICES (IIRaCS)

Introduction

The Institute for Interdisciplinary Research and Consultancy Services (IIRaCS) is a unit of UDS established in 1992. As one of the first units of UDS, it is responsible for undertaking basic, applied and action oriented research that is directly related to the development and environmental needs of Northern Ghana.

The Institute started as the Centre for Continuing Education and Interdisciplinary Research (CCEIR) but was upgraded to the Institute for Continuing Education and interdisciplinary Research (ICEIR) in April 2013. Two years later, the Institute was given the additional responsibility of coordinating university wide consultancy services and was renamed Institute for Interdisciplinary Research and Consultancy Services (IIRaCS), thus ceding off the Continuing Education aspect for the formation of another unit in the University, the Centre for Distance Learning and Continuing education.

As part of its mandate, the Institute annually organizes two scholarly platforms, namely, the Harmattan School and the Annual Interdisciplinary Conference (AIC), in February and September respectively. The Theme for the Harmattan School for the year under review was, **“Education for National Development: Shifting Focus from Problems to Solutions”** while that for the AIC was **“UDS @ 25- Impact on national development through practical higher education”**.

The Institute as part of an additional mandate coordinates the activities of the French Multimedia Centre on the Tamale Campus which was inaugurated at the beginning of the 2017/2018 academic year. To support its Research activities, the Institute within the year, established the Journal of Interdisciplinary Research, the first edition of which will soon be published. The Institute has a Proof Reading and Editing Unit to facilitate research work as well as the activities of the journal

The Institute with the support of UNICEF and in collaboration with other institutions established the first ever Research Network –The Ghana Inclusive Development Research Network. This Network brings together, researchers from various institutions to work in teams on Inclusive Development. The research outcomes of this network will find expression in the Journal of Interdisciplinary Research run by the Institute.

As an academic unit, part of IIRaCS’ mandate also includes teaching at the graduate and undergraduate levels. However, the Institute is gradually ceding off its teaching activities to concentrate on its core mandate- Research and Consultancy. Because of this, it did not admit new students to the two graduate programmes it has been running; M.A in NGO

Management and M.A in Environmental Security and Livelihood Change for the year under review. However, plans to start MA and PhD in Human Development are being reviewed for these programmes to be started and run by an appropriate faculty or school in the University.

Office of the Director

Staff

Name	Qualification	Rank/Position
Mahama, E. S.	B.A (Ghana) MA PhD. (Reading, UK)	Snr. Research Fellow /Director
Abubakari, A.	B.A, MPhil, PhD (Ghana)	Snr. Research Fellow /Director Deputy (Head of Research)
Akudugu, M. A.	B.Sc. (UDS, Tamale, Gh), MPhil (Ghana), PhD (Reading, UK)	Snr. Research Fellow, (Head of Consultancy Services)
Laar, S.	Dip. Ed. B.Ed. (UE, Winneba, Gh), MPA (Ghana)	Snr. Asst Registrar/Officer

Staff

The Institute has a staff strength of twenty-seven (27) this is made up of twenty (20) senior members, four (5) senior staff and three (2) junior staff.

Staff

Name	Qualification	Rank/Position
Longi, F. Y. T.	B.A Dip. Ed. (UCC, Cape Coast, Gh), MPhil, PhD (Ghana)	Snr. Research Fellow /Faculty Quality
Abazaami, J.	B.A. (Ghana), M.Sc.(KNUST, Kumasi, Gh) PhD (Dortmund, Germany)	Snr. Research Fellow
Issahaku, A. R.	B.A. (UE, Winneba, Gh), MPhil (Ghana) PhD (KNUST, Kumasi, Gh)	Snr. Research Fellow
Anarwat, S. G.	B.A. (KNUST, Kumasi, Gh), M.A. (Ghana), DSEF (Dakar, Senegal), PhD (Massachusetts, USA)	Research Fellow
Wumbei, A.	B. Sc. (UDS, Tamale, Gh), M. Sc., PhD (Belgium)	Research Fellow
Guo, E. (Ms.)	B. Sc. (UDS, Tamale, Gh), MPhil (Ghana)	Research Fellow
Abagre, C. I.	B.A. MPhil (UDS, Tamale, Gh)	Research Fellow
Marley, G. N.	B.A. (UDS, Tamale, Gh), MPhil (UCC, Cape Coast, Gh)	Research Fellow
Balica, B.	B.A, M.A, PhD (KNUST, Kumasi, GH)	Research Fellow (French Language Centre)
Braimah, M. K.	B.Ed, MPhil (UCC, Cape Coast, Gh)	Asst. Research Fellow
Jebuni, T. S.	Dip. B.A. MPhil, (Ghana)	Asst. Research Fellow
Mubarik, S.	B.A. MPhil, (Ghana)	Asst. Research Fellow
Abdulai, T.	B. Sc. MPhil (Ghana)	Asst. Research Fellow
Daable, G. S.	B.A, MPhil (KNUST, Kumasi, Gh)	Asst. Research Fellow (French Language Centre)
*Ysangsang, F. D.	B.A. MPhil, (UDS, Tamale, Gh) (UCC, Cape Coast, Gh)	Research Fellow
*Atuick, E. A.	B.A., MPhil (Ghana)	Research Fellow
Millar, K. K	BSc. (UDS, Tamale, Gh)	Snr. Research Assistant

Graduate Programme

IIRaCS, in conjunction with the Graduate School, runs sandwich post-graduate degree programmes leading to the award of MA in Environmental Security and Livelihood Change and MA in NGO Management and Rural Development. However students were not admitted for 2018/2019 academic year. This is as a result of the Institute’s intention to gradually move away from teaching and to concentrate on Research and Consultancy Services.

Student Population

The Institute has a total number of twenty-one (21) students in both year one and two.

MA. Environmental Security and Livelihood Change

Year	No. of Male	No. of Female	Total
Two	5	3	8
Total	5	3	8

MA. NGO Management and Rural Development

Year	No. of Male	No. of Female	Total
Two	1	1	2
Total	1	1	2

Publications

Mahama, E. S.

1. **Mahama, E.S.** and Abdul-Razak, I. (2019). (In Print) The phonological Structure of English borrowed words in Dagbani. In *South African Journal of African Languages* (3) Vol 39.
2. Kerswill, P. & **Mahama, E.S.** (2019). Ethnicity, Conflict and Language Choice, an example from Northern Ghana, in Evans M, Jeffrey, L and O’Driscall, J (Eds). *The Routledge Handbook of Language in Conflict*, 360, Taylor and Francis Group, Londn ,, pp 339-361
3. Abdul-Razak, I and **Mahama, E.S.** (2910). Focus Exhaustivity In Dagbanli. Accepted for publication in the Ghana Journal for Linguistics

Akudugu, M. A.

Book Chapter

1. Ndirangu, W., Luwesi, C. N., Beyene, A. and **Akudugu, M. A.** (2018). Africa’s water sector development and financing outlook. In A. Beyene and C. N. Luwesi (Eds.), *Innovative Water Finance in Africa: A Guide for Water Managers – Vol. 1: Financial Innovations Context*, Chapter Two. Uppsala, Sweden: Nordiska Afrikainstitutet.

Peer Reviewed Journal Articles

1. **Akudugu, M. A.**, Al-hassan, S. and Adam, H. (2018). Factors to Consider in Promoting High Adoption of Climate Change Adaptation Strategies: Evidence from Northern Ghana. *UDS International Journal of Development [UDSIJD]*, Vol. 5(2). Doi: <http://udsijd.org/index.php/udsijd/article/view/296/135>
2. Agula, C., **Akudugu, M. A.**, Dittoh, J. S. and Mabe, N. F. (2018). Promoting Ecosystem-Friendly Irrigation Farm Management Practices for Sustainable Livelihoods in Africa: The Ghanaian Experience. *Agricultural and Food Economics*, Vol. 6(13). Doi: <https://doi.org/10.1186/s40100-018-0109-1>
3. Agula, C., **Akudugu, M. A.**, Dittoh, J. S. and Mabe, N. F. (2018). Promoting Sustainable Agriculture in Africa through Ecosystem-Based Farm Management Practices: Evidence from Ghana. *Agriculture & Food Security*, Vol. 7(5). Doi: <https://doi.org/10.1186/s40066-018-0157-5>

Conference Proceedings

1. Akudugu, M. A. (2018). The Relative Importance of Credit in Agricultural Production in Ghana: Implications for Policy and Practice. *AgEcon Search: Research in Agricultural and Applied Economics*. Available online at <https://ageconsearch.umn.edu/record/277794?ln=en>.

Laar, S.

- 1 Yakubu, N, R, Laar, S, Ansoglenang, G,(2019). A Governance Approach to the Management of Quality Assurance in the University for Development Studies, Ghana *Journal of Research in Higher Education*. Volume 3(1), (pp 61-86)
- 2 Kammampoal, B, **Laar, S.** (2019). The Kola Nut: Its Symbolic Significance in Chinua Achebe’s *Things Fall Apart* *International Journal on Studies of English Language and Literature*. Volume 7(8), (pp26-40)

Abazaami, J.

1. **Abazaami J.** (2019): “How Policy Change Happens: Incorporating the SDGs into the SADA Master Plan to further Localization and Harmonization of SDGs in the Northern Savannah Ecological Zone (NSEZ) of Ghana” in Kappas Martin, Pangau-Adam Margaretha, Jolanta Slowik and Peninah Aloo (Ed) EDUCATION, SCIENCE AND COOPERATION FOR SUSTAINABLE DEVELOPMENT AND BIODIVERSITY CONSERVATION. *Proceedings of the International German Alumni Summer School Programme, 6–14 October 2018, at Karatina University, Kenya*. https://cuvillier.de/uploads/preview/public_file/11476/9783736999848_Inhaltsvverzeichnis.pdf

2. **Abazaami J.**, Atuik E. A. & Dasoberi V. N. (2019): Impact Pathways from Agricultural Policy to Improved Nutrition Outcomes: The Case of the Promise Project in Northeastern Ghana. <http://gidrn.com/publications/research-reports>
3. Ateng M.A, **Abazaami J.**, and Musah A.A. (2018): Exploring the Role of Culture in Shaping the Dagbon Ethnopolitical Peace Negotiation Processes. *International Negotiation* 23 (2018) 515–536. brill.com/iner

Wumbei, A.

Journal Articles

1. **Wumbei A.**, Goeteyn L., Lopez E. D., Houbraken M. and Spanoghe P. (2019). Glyphosate in yam from Ghana. *Food Additives & Contaminants: Part B*, <https://doi.org/10.1080/19393210.2019.1609098>
2. **Wumbei A.**, Bawa J. A. K., Akudugu, M. A. and Spanoghe P. (2019). Absence of effects of herbicides use on yam rots: A case study in Wulensi, Ghana. *Agriculture* 2019, 9, 95; doi:10.3390/agriculture9050095. www.mdpi.com/journal/agriculture
3. **Wumbei A.**, Houbraken M., and Spanoghe P. (2019). Pesticides use and exposure among yam farmers in the Nanumba traditional area of Ghana. *Environ Monit Assess* (2019) 191:307. <https://doi.org/10.1007/s10661-019-7449-5>
4. Galani J. H. Y., Houbraken M., **Wumbei A.**, Djeugap J. F., Fotio D. and Spanoghe P. (2018). Evaluation of 99 Pesticide Residues in Major Agricultural Products from the Western Highlands Zone of Cameroon Using QuEChERS Method Extraction and LC-MS/MS and GC-ECD Analyses. *Foods* 2018, 7, 184; doi:10.3390/foods7110184 www.mdpi.com/journal/foods

Books

1. **Wumbei A.** (2019). *Pesticides use in yam production: Implications for the quality of yam and food safety*. University Press, Ghent Belgium.

Book Chapter Contributions

1. **Wumbei A.** (2018). Environment and Natural Resource Management. In Northern Ghana Human Development Report (UNDP, Ghana, 2018): *Bridging the Poverty Gap and Fostering Socio-Economic Transformation and Empowerment to contribute to Human Development for All*. Yamens Press Ltd.
2. Al-Hassan R. & **Wumbei A.** (2018). Transformational Investments in Infrastructure. In Northern Ghana Human Development Report (UNDP, Ghana, 2018): *Bridging the Poverty Gap and Fostering Socio-Economic Transformation and Empowerment to contribute to Human Development for All*. Yamens Press Ltd.

Conferences

1. A poster presentation at the 14th International IUPAC Congress on Crop Protection in Ghent, Belgium. Topic: *“Effects of herbicides on yield and the shelf life of yam: a case study in the Nanumba traditional area of Ghana”*

Balica, B

1. **Balica, B**, Yenggangyi, M., (2019), Femminisme dans une si longue letter et dans Anowa, Editions Universitaires Europeennes

Tijani, A.

1. **Tijani, A. (2019).** Traditional Leadership and Conflict Resolution Mechanisms in Ghana: The Case of Buipe. Africa Development and Resources Research Institute Journal, Ghana: Vol. 28, No. 5(5), Pp. 21-47, **E-ISSN:** 2343-6662, 30th April, 2019.]

Tamale Campus



2

Schools

1

Faculty

31

Departments



Schools/Faculties under Tamale Campus

- School of Medicine & Health Sciences
- School of Allied Health Sciences
- Faculty of Education



SCHOOL OF MEDICINE AND HEALTH SCIENCES (SMHS)

Introduction

During the period under review, the SMHS aside its usual teaching and research, hosted three (3) African Universities that came to understudy the UDS flagship programme; the Community Based Education and Service (COBES). The visiting institutions were: the Parakou University of Benin, University of Burundi, Hope and Ngozi Universities of Burundi, and also Adama and Arksun Universities of Ethiopia. The visits culminated into the signing of memorandum of understanding (MoU) between the UDS and the Parakou University of Benin.

The School also hosted a ten-member delegation from Academic Model Providing Access to Healthcare (AMPATH), a global network of academic health centres that collaborates with ministries of health in low and middle-income countries to ensure essential health care for all.

Dean’s Office

Staff

Name	Qualification	Rank/Position
Abantanga, F. A.	MD, Cert. Paediatric Surgery (Kharkov, Ukraine), PhD (Academy of Sciences, Ukraine), FWACS, Cert. Cardiothoracic Surgery (Halle, Germany), FGCS, FICS,	Professor/Dean
Tabiri, S.	MD, PhD (Kharkov, Ukraine), FGCS, FACS (Chicago, USA), MEd (UCC, Cape Coast, Gh)	Assoc. Professor/ Vice Dean
Yahaya, W.	MPH (KNUST, Kumasi, Gh), B.Ed. (UCC, Cape Coast, Gh), ChPA/CMC, (Gh),	Snr. Asst. Registrar

Departments under SMHS

There are fifteen (15) departments in SMHS, namely;

- Department of Anaesthesiology and Intensive Care
- Department of Anatomy
- Department of Biochemistry and Molecular Medicine
- Department of Clinical Microbiology
- Department of Community Health and Family Medicine
- Department of Eye, Ear, Nose and Throat
- Department of Health Professions Education and Innovative Learning
- Department of Internal Medicine and Therapeutics
- Department of Obstetrics and Gynaecology
- Department of Paediatrics and Child Health
- Department of Pathology
- Department of Pharmacy

- Department of Physiology and Biophysics
- Department of Radiology
- Department of Surgery

Student Population for 2018/2019 Academic year by Gender

The student population of the SMHS during the 2018/2019 academic year was one thousand and ninety-two students (1,092). This was made up of seven hundred and fifty (750) male students and three hundred and forty two (342) female students.

Student Population, Year on Year

Year	Male	Female	Total
PBL 1	67	25	92
PBL 2	81	40	121
PBL 2B	38	12	50
PBL 3	144	72	216
PBL 4	104	40	144
PBL 5	84	55	139
PBL 6	84	44	116
DOCTOR OF PHARMACY	41	17	58
BSc. NURSE ANESTHESIA 200	17	7	24
BSc. NURSE ANESTHESIA 300	14	3	17
BSc. NURSE ANESTHESIA 400	9	3	12
MASTER OF PUBLIC HEALTH	67	24	91
TOTAL	750	342	1,092

Publications

Yahaya, W

Iddrisu, M. T., **Mumuni, A. N., Ahmed, A., Mohammed, A. K., **Yahaya, W.** (2019):

Indices of Patients’ Satisfaction with Healthcare Services in a Teaching Hospital (2019). UDS International Journal of Development [UDSIJD]. ISSN: 2026-5336 Volume 6 No. 1, 2019 <http://www.udsijd.org>

Nafiu Amidu, Mustapha Alhassan, Habibu Issah, Vida Nyagre Yakong, **Wahabu**

Yahaya, Yussif Adams and Peter Paul Mwinsanga Dapare (2018): Perceived Stress and Anxiety in Women during Labour: A Case of Tamale West Hospital, Tamale, Ghana Nafiu Amidu1* Asian Journal of Medicine and Health 11(2): 1-10, 2018; Article no.AJMAH.40373 ISSN: 2456-8414

Nafiu Amidu, Habibu Issah, Mustapha Alhassan, Vida Nyagre Yakong, **Wahabu**

Yahaya, Peter Paul Mwinsanga Dapare and Yussif Adams 92018): Stress, Anxiety and Sleep Disorder among Nurses: A Cross-Sectional Study of Rotation vs Fixed Shift Workers;; International Neuropsychiatric Disease Journal 11(1): 1-12, 2018; Article no.INDJ.40284 ISSN: 2321-7235, NLM ID: 101632319

DEPARTMENT OF ANAESTHESIOLOGY AND INTENSIVE CARE

Staff

Name	Qualification	Rank/Position
Kuubiere C. B	B.Sc. Human Biology, MBCh.B. (KNUST, Kumasi.Gh), FACH (Fellow of Surgeons, Germany) University of Saarland, College of Surgeons, Saar/Homburg, Germany.	Associate Professor/ HoD
Peters, J. L	B.A.,MSc. Anatomy (California,USA), Ph.D. (Texas, USA), Medical Doctorate,(Utah, USA), Anesthesiology Residency (Utah, USA)	Professor
Iddrisu, B. Y	BSc. (UDS, Tamale, Gh), M. Phil, Ph.D. in Anesthesiology (Dalian, China)	Lecturer
Bamaalabong, P. P	MSc. Medical Physics (UK), Postgrad Dip. in Informatics, (Camaguey, Cuba), MSc. Chemical Engineering (Camaguey, Cuba), Dip Military Training (Ghana)	Lecturer/Exam Officer

Publications

Yabasin I.B

Yabasin I.B, Sanches JGP, Ibrahim MM, Huidan J, Williams W, Lu ZL, Wen Q. (2018).

Cisatracurium Retards Cell Migration and Invasion Upon Upregulation of p53 and Inhibits the Aggressiveness of Colorectal Cancer. Front Physiol. 9:941. doi: 10.3389/fphys.2018.00941.

Walana W, Wang JJ, **Yabasin IB**, Ntim M, Kampo S, Al-Azab M, Elkhider A,

Dogkotenge Kuugbee E, Cheng JW, Gordon JR, Li F. (2018). IL-8 analogue CXCL8 (3-72) K11R/G31P, modulates LPS-induced inflammation via AKT1-NF- κ B and ERK1/2-AP-1 pathways in THP-1 monocytes. Hum Immunol. 79 (11): 809-816. doi: 10.1016/j.humimm..08.007.

DEPARTMENT OF ANATOMY

Staff

Name	Qualification	Rank/Position
Alhassan, A	B.Sc., MPhil, PhD (KNUST, Kumasi, Gh), FWACM	Senior Lecturer/HOD
Faakuu, E.	B.Sc. (UDS, Tamale, Gh), MPhil (KNUST, Kumasi, Gh)	Asst. Lecturer
Osabutey K. E.	B.Sc., MPhil (KNUST, Kumasi, Gh)	Asst. Lecturer

DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR MEDICINE**Staff**

Name	Qualification	Rank/Position
<i>Helegbe, G. K.</i>	<i>BSc., MPhil. (Ghana), PhD (Nagasaki, Japan)</i>	<i>Professor/HOD</i>
<i>Arredondo, F. A.</i>	<i>MD, MSc. (Santiago, Cuba)</i>	<i>Lecturer</i>
<i>Dongdem, J. T.</i>	<i>BSc., MPhil. (Ghana), MPhil. (Nottingham, UK)</i>	<i>Lecturer</i>

Publications**Helegbe, G. K.**

1. Anabire N. G., Aryee P. A., Abdul-Karim A., Abdulai I. B., Quaye O., Awandare G. A., **Helegbe G. K.** (2019). Prevalence of malaria and hepatitis B among pregnant women in Northern Ghana: Comparing RDTs with PCR. *PLoS ONE*, 14(2): e0210365. <https://doi.org/10.1371/journal.pone.0210365>.
2. Anabire N.G., Aryee P.A., Abdul-Karim A., Quaye O., Awandare G.A., **Helegbe G.K.** (2019). Impact of malaria and hepatitis B co-infection on clinical and cytokine profiles among pregnant women. *PLoS ONE*, 14(4): e0215550. <https://doi.org/10.1371/journal.pone.0215550>.
3. Anabire N. G., Tetteh W. J., Obiri-Yaboah D., Annan I., Luuse A. T., Aryee P. A., **Helegbe G. K.**, Hagan O. C. K., Eliason S. (2019). Evaluation of hepatic and kidney dysfunction among newly diagnosed HIV patients with viral hepatitis infection in Cape Coast, Ghana. *BMC Res Notes*, 12 (1):466. doi: 10.1186/s13104-019-4513-8.
4. Wemakor A., **Helegbe G. K.**, Abdul-Mumin A., Amedoe S., Zoku J. A., Dufie A. I. (2018). Prevalence and factors associated with incomplete immunization of children (12-23 months) in Kwabre East District, Ashanti Region, Ghana. *Arch Public Health*, 76:67. doi: 10.1186/s13690-018-0315-z. eCollection 2018.

DEPARTMENT OF CLINICAL MICROBIOLOGY**Staff**

Name	Qualification	Rank/Position
<i>Ziem, J. B.</i>	<i>B.Sc., MBChB (UDS. Tamale. Gh), PhD. (Leiden, Netherlands)</i>	<i>Asso. Prof. / HoD</i>
<i>Danikuu, F. M.</i>	<i>B.Sc., M.Sc. (KNUST. Kumasi, Gh), PhD (UDS. Tamale, Gh)</i>	<i>Senior Lecturer</i>
<i>Karikari, A. B.</i>	<i>B.Sc., M.Sc., PhD (KNUST. Kumasi, Gh)</i>	<i>Senior Lecturer</i>
<i>Walana, W.</i>	<i>B.Sc. (UCC. Cape Coast, Gh), MSc. (KNUST. Kumasi. Gh), PhD (Dalian, China)</i>	<i>Lecturer</i>
<i>Kuugbee, D. E.</i>	<i>BSc., (KNUST. Kumasi. Gh), MSc., (Manchester, UK), PhD., (Dalian, China)</i>	<i>Lecturer</i>
<i>Acquah, S. E. K.</i>	<i>B.Sc., MPhil. (KNUST. Kumasi, Gh)</i>	<i>Lecturer</i>
<i>Vicar, E. K</i>	<i>BSc., MPhil (KNUST. Kumasi, Gh)</i>	<i>Assist. Lecturer</i>

Publications

Ziem, J. B.

1. Gloria Ivy Mensah, Ezekiel Kofi Vicar, Patrick K. Feglo, Samuel E. K. Acquah, Courage S. K. Saba, Samuel Ofori Addo, **Juventus B. Ziem** and Kennedy Kwasi Addo. (2018) Bacteriological Quality and Antibiotic Residues in Raw Cow Milk at Producer Level and Milk Products at Sale Points in the Northern Region of Ghana. *IJTDH* 34(2): 1-10. DOI: 10.9734/IJTDH/2018/46626

Acquah, S. E. K.

1. Gloria Ivy Mensah, Ezekiel Kofi Vicar, Patrick K. Feglo, **Samuel E. K. Acquah**, Courage S. K. Saba, Samuel Ofori Addo, Juventus B. Ziem and Kennedy Kwasi Addo. (2018) Bacteriological Quality and Antibiotic Residues in Raw Cow Milk at Producer Level and Milk Products at Sale Points in the Northern Region of Ghana; *IJTDH* 34(2): 1-10. DOI: 10.9734/IJTDH/2018/46626
2. Isaac Darko Otchere, Andries J. van Tonder, Adwoa Asante-Poku, Leonor Sánchez-Busó, Mireia Coscollá, Stephen Osei-Wusu, Prince Asare, Samuel Yaw Aboagye, **Samuel Acquah Ekuban**, Abdallah Iddrisu Yahayah, Audrey Forson, Akosua Baddoo, Clement Laryea, Julian Parkhill, Simon R. Harris, Sebastien Gagneux, Dorothy Yeboah-Manu (2019). Molecular epidemiology and whole genome sequencing analysis of clinical *Mycobacterium bovis* from Ghana. *PLoS ONE* 14(3): e0209395. <https://doi.org/10.1371/journal.pone.0209395>

Walana, W.

1. **Walana W**, Ye Y, Li M, Wang J, Wang B, Cheng JW, Gordon JR, Li F. (2018). IL-8 antagonist, CXCL8(3-72) K11R/G31P coupled with probiotic exhibit variably enhanced therapeutic potential in ameliorating ulcerative colitis. *Biomed Pharmacother.* 103:253-261. doi: 10.1016/j.biopha.2018.04.008.
2. **Walana W**, Wang JJ, Yabasin IB, Ntim M, Kampo S, Al-Azab M, Elkhider A, Dogkotenge Kuugbee E, Cheng JW, Gordon JR, Li F. (2018). IL-8 analogue CXCL8 (3-72) K11R/G31P, modulates LPS-induced inflammation via AKT1-NF- κ B and ERK1/2-AP-1 pathways in THP-1 monocytes. *Hum Immunol.* 79(11):809-816. doi: 10.1016/j.humimm.2018.08.007.
3. Ye Y, Zhang Y, Wang B, **Walana W**, Wei J, Gordon JR, Li F. (2018). CXCR1/CXCR2 antagonist G31P inhibits nephritis in a mouse model of uric acid nephropathy. *Biomed Pharmacother.* 107:1142-1150. doi: 10.1016/j.biopha.2018.07.077.
4. Wang JJ, **Williams W**, Wang B, Wei J, Lu X, Cheng JW, Gordon JR, Li JM, Li F. (2018). Cytotoxic effect of interleukin-8 in retinal ganglion cells and its possible mechanisms. *Int J Ophthalmol.* 11(8):1277-1283. doi: 10.18240/ijo.2018.08.05.

5. Al-Azab M, Wei J, Ouyang X, Elkhider A, **Walana W**, Sun X, Tang Y, Wang B, Li X. (2018). TL1A mediates fibroblast-like synoviocytes migration and Indian Hedgehog signaling pathway via TNFR2 in patients with rheumatoid arthritis. *Eur Cytokine Netw.* 1;29(1):27-35. doi: 10.1684/ecn.2018.0405.

Kuugbee, D. E.

1. Sylvanus Kampo, Bulbul Ahmmed, Tingting Zhou, Lawrence Owusu, Thomas Winsum Anabah, Natacha Raissa Doudou, **Eugene Dogkotenge Kuugbee**, Yong Cui8, Zhili Lu, Qiu Yan and Qing-Ping Wen (2019). "Scorpion Venom Analgesic Peptide, BmK AGAP Inhibits Stemness and Epithelial-Mesenchymal Transition by Down-regulating PTX3 in Breast Cancer." *Frontiers in Oncology* 9: 21.
2. Walana, W., Wang, J., Yabasin, I.B., Ntim, M., Kampo, S., Al-Azab, M., Elkhider, A., **Dogkotenge Kuugbee**, E., Cheng, J-w., Gordon, J.R., Li, F. (2018). IL-8 analogue CXCL8 (3-72) K11R/G31P, modulates LPS-induced inflammation via AKT1-NF- κ B and ERK1/2-AP-1 pathways in THP-1 monocytes, *Human Immunology* doi: <https://doi.org/10.1016/j.humimm.2018.08.007>

Vicar, E. K.

Gloria Ivy Mensah, **Ezekiel Kofi Vicar**, Patrick K. Feglo, Samuel E. K. Acquah, Courage S. K. Saba, Samuel Ofori Addo, Juventus B. Ziem and Kennedy Kwasi Addo. (2018). Bacteriological Quality and Antibiotic Residues in Raw Cow Milk at Producer Level and Milk Products at Sale Points in the Northern Region of Ghana. *IJTDH* 34(2): 1-10. DOI: 10.9734/IJTDH/2018/46626

DEPARTMENT OF COMMUNITY HEALTH AND FAMILY MEDICINE

Staff

Name	Qualification	Rank/Position
<i>Yidana, A.</i>	<i>BA (Ghana), MSc (London, UK), PhD (Halle-Wittenberg, Germany)</i>	<i>Senior Lecturer/HoD</i>
<i>Konlaan, B. B.</i>	<i>BSc, MPH, PhD (Umea, Sweden)</i>	<i>Senior Lecturer</i>
<i>Bugri, S. Z. L.</i>	<i>MD (Sarajevo, Yugoslavia), MSc (London, UK), FGCP</i>	<i>Senior Lecturer</i>
<i>Addah, J*.</i>	<i>BSc (KNUST, Kumasi, Gh), MSc (Ghana)</i>	<i>Senior Lecturer</i>
<i>Apanga*, S.</i>	<i>MBChB (KNUST, Kumasi, Gh), MSc (Ghana)</i>	<i>Senior Lecturer</i>
<i>Shamsu-Deen, Z</i>	<i>BA (Ghana), MPhil, PhD (Ghana)</i>	<i>Senior Lecturer</i>
<i>Chirawurah, D</i>	<i>BA (UDS, Tamale, Gh), MSc (KNUST, Kumasi, Gh), PhD (UDS, Tamale, Gh)</i>	<i>Lecturer</i>
<i>Abdulai*, T</i>	<i>BSc (KNUST, Kumasi, Gh), MSc (Tromso, Norway)</i>	<i>Lecturer</i>
<i>Abem, V. K.</i>	<i>BSc (UDS, Tamale, Gh), MSc, MSc (Maastricht, Netherlands)</i>	<i>Lecturer</i>
<i>Sufyan*, S.</i>	<i>BSc, MSc (UDS, Tamale, Gh)</i>	<i>Lecturer</i>
<i>Celia Rodriguez, Y.</i>	<i>MBChB (Habana, Cuba) FGCP</i>	<i>Lecturer</i>

Publications

Yidana Adadow

1. Yakubu, I., Gholamreza, G., Roya, S., Azar, T., Mir, S.Y., and **Yidana, A.** (2019) Assessing the impact of an educational intervention program on sexual abstinence based on the health belief model amongst adolescent girls in Northern Ghana, a cluster randomized control trial; *BMC Reproductive Health*, 16(124): 1-12 doi.org/10.1186/s12978-0784-8
2. Ziblim, S.D. and **Yidana, A.** (2019) Health-Seeking Behaviour among Migrant Female Head Porters in the City of Accra, Ghana, *Ghana Journal of Development Studies*, 16(2): 138-156
3. Ziblim, S.D. and **Yidana, A.** (2019) The Migration Process in Ghana: The case of Northern Migrants, *African Human Mobility Review*, 5(1): 1535-1555
4. Engelbert, A.N., Adomolga, E., **Yidana, A.** Juliana, K., Isaiah, A., Emanuel Y.A. et al. (2019) Descriptive epidemiology of anemia among pregnant women initiating antenatal care in rural Northern Ghana; *African Journal of Primary Health Care & Family Medicine*, 11(1), a1892 Doi.org/10.4102/phcfm.v11i1.1892
5. **Yidana, A.** Ziblim, S.D., and Azusiyinne M. (2018). The Increasing Use of Sex Enhancing Drugs among Men in the Tamale Metropolis, *International Journal of Medical Research & Health Sciences*, 7(11): 186-196; ISSN No: 2319-5886.
6. **Yidana, A.** Ziblim, S.D., and Azusiyinne M. (2018). The Increasing Use of Sex Enhancing Drugs among Men in the Tamale Metropolis, *International Journal of Medical Research & Health Sciences*, 7(11): 186-196; ISSN No: 2319-5886

Ziblim Shamsu-Deen

1. **Ziblim, S.D.** and Yidana, A. (2019) Health-Seeking Behaviour among Migrant Female Head Porters in the City of Accra, Ghana, *Ghana Journal of Development Studies*, 16(2): 138-156
2. **Ziblim, S.D.** and Yidana, A. (2019) The Migration Process in Ghana: The case of Northern Migrants, *African Human Mobility Review*, 5(1): 1535-1555
3. Beatrice, A. Yidana, A. and **Ziblim, S.D.** (2019) The use of indigenous among women during pregnancy and labour in rural Ghana, *Central African Journal of Public Health*, 5(3): 120-128 Doi: 10.11648/j.cajph.20190503.14
4. Yidana, A. **Ziblim, S.D.**, and Azusiyinne M. (2018). The Increasing Use of Sex Enhancing Drugs among Men in the Tamale Metropolis, *International Journal of Medical Research & Health Sciences*, 7(11): 186-196; ISSN No: 2319-5886

DEPARTMENT OF EYE, EAR, NOSE AND THROAT**Staff**

Name	Qualification	Rank/Position
<i>Adjeso, T.</i>	<i>BSc, MBChB (KNUST. Kumasi, Gh), FGCPs (Ghana)</i>	<i>Senior Lecturer/HOD</i>
<i>Bonsaana, G. B.</i>	<i>B.Sc., M.B.Ch.B. (Ghana), M.Med-Ophth. (Nairobi, Kenya), FCOphth (E.C.S.A).</i>	<i>Senior Lecturer/ Examination Officer</i>

Publications**Journal Article**

1. **Adjeso T.**, Damah M. C., Anyomih. T. Indications and Outcomes of Tracheostomy in Northern Ghana. Postgraduate Medical Journal of Ghana (Accepted for publication).
2. Mawutor D., **Adjeso T.**, Duah M. I., Larsen-Reindorf R., Konney A. (2018). Foreign Body Aspiration in Children at Komfo Anokye Teaching Hospital. Journal of Advances in Medicine and Medical Research. 28(5):1-6,
3. Adjeso T, Dzogbefia M, Thompson P. (2018). Rigid esophagoscopy with foley’s catheter extraction of an esophageal foreign body: case report from Tamale. Case Study Case Rep. 8(3): 59 - 63.

Research Interest Areas

1. Rapid Assessment of Avoidable Blindness with Diabetic Retinopathy Module in Tamale, Ghana
2. Epidemiology and microbiological profile of eye infection – a prospective study
3. Paediatric ENT emergencies in Northern Ghana.
4. Hearing thresholds of patients seen at ENT Clinic in Northern Ghana.
5. Retropharyngeal abscess in Northern Ghana.

DEPARTMENT OF HEALTH PROFESSIONS EDUCATION AND INNOVATIVE LEARNING**Staff**

Name	Qualification	Rank/Position
<i>Amalba, A</i>	<i>MHPE, (Maastricht, Netherlands), MSc Pharm. (Kharkov, Ukraine), MSc Clin. Pharm, (KNUST. Kumasi, Gh) FPCPharm, FGCPs, PSGH, CPA, MHPE (Maastricht, Netherlands), PhD (Maastricht, Netherlands)</i>	<i>Senior Lecturer /HOD</i>
<i>Mogre, V</i>	<i>BSc. (UDS. Tamale, Gh), MHPE (Netherlands and Egypt); PhD (Maastricht, Netherlands)</i>	<i>Senior Lecturer and Examinations Officer</i>
<i>*Matorwasen-Akkermans,</i>	<i>F. L. MBChB., MSc,(Maastricht, Netherlands)</i>	<i>Lecturer</i>

Publications

Amalba, A

1. **Amalba A**; Abantanga FA, Scherpbier A J J A; van Mook W N K A (2019). Trainees’ preferences regarding the choice of place of work after completing medical training in traditional or Problem-Based Learning/Community-Based Education and Service curricula: a study in Ghanaian medical schools. *Remote and Rural health*. <https://doi.org/10.22605/RRH5087>
2. **Amalba A**, Abantanga F. A, Scherpbier A. J. J. A. & van Mook W. N. K. A. (2018). Working among the rural communities in Ghana - why doctors choose to engage in rural practice. *BMC Medical Education*. 18:133. <https://doi.org/10.1186/s12909-018-1234-y>
3. Ameade E. P.K, **Amalba A** & Mohammed B. S (2018). Prevalence of dysmenorrhea among University students in Northern Ghana; its impact and management strategies. *BMC Women's Health*, 18:39 <https://doi.org/10.1186/s12905-018-0532-1>
4. Mogre V, Stevens F. J. C, Ayee P. A, **Amalba A** & Scherpbier A.J.J.A (2018). Why nutrition education is inadequate in the medical curriculum: a qualitative study of students’ perspectives on barriers and strategies. *BMC Medical Education* 18:26 <https://doi.org/10.1186/s12909-018-1130-5>

Book

Amalba, A. (2018). Influence of Problem-Based Learning combined with Community-Based Education and Service as an integral part of the undergraduate curriculum on specialty and rural workplace choices. Doctoral dissertation, Maastricht University. Datawyse/Universitaire Pers Maastricht. ISBN no. 978 94 6380 147 8. Retrieved from <https://cris.maastrichtuniversity.nl/portal/files/29906655/c6174.pdf>

Mogre, V

1. **Mogre, V.**, Abanga, Z. O., Tzelepis, F., Johnson, N. A., & Paul, C. (2019). Psychometric evaluation of the Summary of Diabetes Self-Care Activities measure in Ghanaian adults living with type 2 diabetes. *Diabetes Res Clin Pract*. 149:98-106. DOI: 10.1016/j.diabres.2019.02.004.
2. Ayanore, M. A., Tetteh, J., Ameko, A., Axame, W. K., Alhassan, R. K., Adoliba Ayanore, A., **Mogre, V.**, Owusu-Agyei, S. (2019). Reproductive-Age Women’s Knowledge and Care Seeking for Malaria Prevention and Control in Ghana: Analysis of the 2016 Malaria Indicator Survey. *Journal of Tropical Medicine*, 2019. DOI: doi.org/10.1155/2019/2316375.
3. Gaa, P. K., Apprey, C., Annan, R., **Mogre, V.**, & Dzogbefia, V. P. (2019). The home and school environments, physical activity levels, and adiposity indices of school-age children. 8(1): 82-92. 2019. DOI: 10.11591/ijphs.v8i1.16601

4. **Mogre, V.,** Johnson, N. A., Tzelepis, F., & Paul, C. (2019a). Attitudes towards, facilitators and barriers to the provision of diabetes self-care support: A qualitative study among healthcare providers in Ghana. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*. 13(3):1745-1751. DOI: doi.org/10.1016/j.dsx.2019.03.041
5. **Mogre, V.,** Johnson, N. A., Tzelepis, F., & Paul, C. (2019b). Barriers to diabetes self-care: a qualitative study of patients’ and health care providers’ perspectives. *J Clin Nurs*. 1-13. DOI: 10.1111/jocn.14835
6. Abugre, D., **Mogre, V.,** & R. Bhengu, B. (2019). Effect of Patient-centered Care on Quality Nursing Care, Nurse-sensitive Indicators and Satisfaction of Nurses and Patients in Adult Medical Inpatients Setting: A Mixed Methods Systematic Review Protocol. *Asian Journal of Research in Nursing and Health*, 2(1), 1-14. Retrieved from <http://www.journalajrnh.com/index.php/AJRNH/article/view/30091>

Book

Mogre, V. (2018). Nutrition care and its education: medical students’ and doctors’ perspectives. Doctoral dissertation, Maastricht University. Datawyse/Universitaire Pers Maastricht. ISSN no. 978 94 6380 006 8. Retrieved from <https://cris.maastrichtuniversity.nl/portal/files/29906655/c6174.pdf>

DEPARTMENT OF INTERNAL MEDICINE AND THERAPEUTICS

Staff

Name	Qualification	Rank/Position
Dr Rivera, O. H.	MD, (Guantanamo, Cuba) 1992 MSc (Agostino, Cuba) 2007 FCSP, (Cuba), FGCP (Ghana) 2018	Senior Lecturer/ HOD
Dr Akanbong, P.	MBChB. MGCP(Ghana)	Senior Lecturer/Exam Officer
Dr Yahaya, A. I.	MD. Kiev Medical Institute, Ukraine) MSc (UDS. Tamale, Gh))	Senior Lecturer
Dr Braimah, B. A	MBChB (UDS. Tamale, Gh) MGCP(Ghana) MHPE (Maastricht, Netherlands)	Lecturer
Dr Atiku, A.	MBChB (UDS. Tamale, Gh), MGCP (Ghana), MHPE (Maastricht, Netherlands), Member of the Royal College of Physicians of England, RCP/MTI clinical Fellow in Nephrology and Acute Medicine. Royal College of Physicians of England	Lecturer

Publications

Book of Abstract-AIC-2018

1. A.M Simono Charadan; B.B Naa Gandau; **O. Rivera Hernandez** & H Cardenas Suri. Diabetes Insipidus During Pregnancy Complicated by Preeclampsia: Case Report.pp 27.
2. **Odalys Rivera Hernandez** and Benjamin Nuarkey Hospital-acquired Pneumonia Outbreak in the Male Medical Ward of Tamale Teaching Hospital, Tamale, Ghana.pp 33.
3. Abdul Subulr Yakubu, Alhassan Abdul-Mumin, **Odalys Rivera**. DOI:10.18203/2394-6040.ijcmph20190573 Evaluation of management of snake bites in a teaching hospital in northern Ghana: a retrospective descriptive study

Abdallah Iddrisu Yahaya

1. **Abdallah Iddrisu Yahaya (2019)**, Quality Control and Standards of Traditional Medicinal Products: A Highly Committed Agenda. *International Journal of Research Studies in Medical and Health Sciences Volume 4, Issue 2, PP 04-14*
2. **Abdallah Iddrisu Yahaya**, David Millar. (2018). Traditional Medicine as a Synergy to orthodox medicine in Dagbon Area of Ghana; *International Journal of Humanities Social Sciences and Education (IJHSSE) Volume 5, Issue 7, PP 143-149*
3. **Abdallah Iddrisu Yahaya (2018)**. Risk factor in non-communicable diseases in Tamale Metropolis of Ghana; *International Journal of Research in Medical and Health Sciences (IJRMHS) in Volume 27 Issue 1.*
4. **Abdallah Iddrisu Yahaya**, Doklah Kwame Anthony. (2018). Antibiotic Resistance Pattern of Moraxella Catarrhalis in Patients with Respiratory Tract Infections at Tamale Teaching Hospital; *ARC Journal of Public Health and Community Medicine Volume 3, Issue 3, PP 12-19*
5. **Abdallah Yahaya Idrissu. (2018)**. Clinical Investigation of Multiple Drug Resistant Tuberculosis in the Tamale Metropolitan Area; *International Journal of Humanities Social Sciences and Education (IJHSSE) Volume 5, Issue 6, PP 1-10*
6. **Abdallah Iddrisu Yahaya. (2018)** Lay Knowledge of Non-Communicable Disease in Tamale Metropolis; *International Journal of Research In Medical & Health Sciences, Vol. 27. No.1*
7. **Abdallah Iddrisu Yahaya. (2018)**. Increase in Infectious Diseases as a Result of Poor Environmental Sanitation in the Tamale Metropolis; *International Journal of Humanities Social Sciences and Education (IJHSSE) Volume 5, Issue 6, , PP 1-8*

8. Isaac Darko Otchere, Mireia Coscollá, Leonor Sánchez-Busó, Adwoa Asante-Poku , Daniela Brites⁴, Chloe Loiseau, Conor Meehan, Stephen Osei-Wusu, Audrey Forson , Clement Laryea, **Abdallah Iddrisu Yahayah**, Akosua Baddoo, Gloria Akosua Ansa, Samuel Yaw Aboagye, Prince Asare, Sonia Borrell, Florian Gehre, Patrick Beckert, Thomas A. Kohl, Sanoussi N’dira, Christian Beisel, Martin Antonio, Stefan: Comparative genomics of Mycobacterium africanum Lineage 5 1 and Lineage 6 from Ghana suggests different ecological niches.
9. Stephen Tabiri^{1,*}, **Prosper Akanbong²**, **Braimah Abubakari²**. Assessment of the environmental risk factors for a gastric ulcer in northern Ghana. PanAfrican Medical Journal
10. **Abubakari BB1** , Adjei P1,2, Osei-Poku F1 , Nkromah K1 , Akpalu A1,2.Exercise induced paralysis in two young Ghanaian men. Postgraduate Medical Journal of Ghana.
11. Nafiu Amidu, Benedict Boateng Antuamwine ,Otchere Addai-Mensah,A bass Abdul-Karim, Azure Stebleson, **Braimah Baba Abubakari**, John Abenyeri,, Afia Serwaa Opoku , John Eyulaku Nkukah ,Ali Sidi Najibullah. Diagnosis of bacterial meningitis in Ghana: Polymerase chain reaction versus latex agglutination methods. <https://doi.org/10.1371/journal.pone.0210812>. January 17, 2019.
12. **Dr. Abdul Malik Bawah, Doklah Kwame Anthony, Dr. Abdallah Iddrisu Yahaya³**. **Risk Factors of Non-Communicable Disease**. ARC Journal of Public Health and Community Medicine. Volume-3 Issue-4, 2018, Page No: 9-21.
13. **Yahaya, Abdalla Iddrisu**, Millar, David. Traditional medicine as a synergy to Orthodox Medicine in Dagbon area of Ghana. ARJ Journal. Volume 5, issue 7. 2018
14. **Yahaya, Abdalla Iddrisu**. Lay knowledge of non-communicable disease in Tamale Metropolis. International Journal of Research in Medical and Health Sciences. Vol, 27, issue 1.2018.
15. **Yahaya, Abdalla Iddrisu**. Antibiotic resistant pattern of Moraxella Catarrhalis in patients with respiratory tract infections at Tamale Teaching Hospital. ARC Journal of Public Health and Community Medicine. Vol 3; Issue 3

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Staff

Name	Qualification	Rank/Position
Simono Ch. A. M.	MD (Guantanamo, Cuba) FCCPS (Dr Cuba), M.Sc(Guantanamo, Cuba), FGCS (Accra, Gh)	Senior Lecturer/ HoD
Amoako A.S.	MD (Volgograd, Moscow), Fellow (), Ph.D (Moscow Medical Aca, Moscow)	Senior lecturer
Naa Gandau , B. B.	MD (Villa Clara, Cuba) FCCPS (Ghana) M.Sc. (Villa Clara, Cuba)	Senior Lecturer
Kolbilla Z. D.	MD (Kharkou, Ukraine,), FGCS (KNUST. Kumasi, Gh)	Senior Lecturer
Munkaila A.	MBChB (UDS. Tamale, Gh), MGCS (Ghana), MHPE (Maastricht, Netherlands).	Lecturer/Exam Officer

Book of Abstract-AIC-2018

- A.M Simono Charadan; B.B Naa Gandau; **O. Rivera Hernandez** & H Cardenas Suri4. (2018) Diabetes Insipidus During Pregnancy Complicated by Preeclampsia: Case Report.pp 27.<https://www.uds.edu.gh/research/jmbs.2018>

DEPARTMENT OF PAEDIATRICS AND CHILD HEALTH**Staff**

Name	Qualification	Rank/Position
Abdul-Mumin, A.	MD (Ankara, Turkey), Paeds Specialist (Ankara, Turkey), FGCP (Ghana)	Snr Lecturer/HoD

Research Interests:

Neonatology, Paediatric infectious diseases and Paediatric nutrition

Publications

1. **Abdul-Mumin A**, Kara A, Cengiz AB, Ceyhan M. (2019). Respiratory viral infections in pediatric acute leukemia patients presenting with febrile neutropenia in a tertiary hospital in Ankara, Turkey. *Post graduate Medical Journal of Ghana*, 8:1
2. **Abdul-Mumin A**, Ervin S, Halvorson E. (2019). Clinical characteristics associated with increased resource utilization of hospitalized children under 5 years with acute gastroenteritis at a tertiary hospital in the Northern Region of Ghana: a retrospective study. *Pan African Medical Journal*, 33:186.
3. Yakubu AS, **Abdul-Mumin A**, Adam A. (2019). Clinical and demographic profile of snake bite cases presenting to the Tamale Teaching Hospital of Ghana. *Sahel medical journal*.
4. Wemakor A, Helegbe GK, **Abdul-Mumin A**, Amedoe S, Zoku JA, Dufie AI. (2018). Prevalence and factors associated with incomplete immunization of children (12–23 months) in Kwabre East District, Ashanti Region, Ghana. *Archives of Public Health*, 76:67.
5. St Clair N, **Abdul-Mumin A**, Banker S, Condurache T, Crouse H, Helphinstine J et al. (2018). Global health in pediatric education: an implementation guide for program directors. American Board of Pediatrics Global Health Task Force Publication, in collaboration with the American Academy of Pediatrics Section on International Child Health and the Association of Pediatric Program Directors Global Health Learning Community. Raleigh, NC. <https://www.abp.org/ghpdguidehome>
6. Bozio CH, Abdul-Karim A, Abenyeri J, **Abubakari B**, Ofosu W, Zoya J, et al. (2018) Continued occurrence of serotype 1 pneumococcal meningitis in two regions located in the meningitis belt in Ghana five years after introduction of 13-valent pneumococcal conjugate vaccine. *PLoS ONE* 13(9): e0203205. <https://doi.org/10.1371/journal.pone.0203205>

7. Victor Mogre, Fred C. J. Stevens, Paul A. Aryee, Femke L. Matorwmasen-Akkermans **Braimah Abubakari** & Albert J. J. A. Scherpbier. (2018). Nutrition Care Practices, Barriers, Competencies and Education in Nutrition: a Survey among Ghanaian Medical Doctors, Medical Science Educator <https://doi.org/10.1007/s40670-018-0591-9>. Published online July 25th

DEPARTMENT OF PHARMACY

Staff

Name	Qualification	Rank/Position
Mohammed, B.S.	MPharm (ZSMU, Zaporozhye, Ukraine), M.Sc., Ph.D. (Aberdeen, UK)	Snr. Lecturer, HoD
Ameade, E. P. K.	BPharm, MPharm (KNUST, Kumasi, Gh)	Snr. Lecturer, Exams Officer
Owusu, G.	B.Sc. (UCC, Cape Coast, Gh), MPhil (KNUST, Kumasi, Gh)	Lecturer
Malick, M.M.D.	B.Sc. Pharm (Camaguey, Cuba) PharmD (Florida, USA)	Lecturer
Osman, H.	B.Sc (Ghana), M.Phil (KNUST, Kumasi, Gh)	Assistant Lecturer
Sosu, J.X.	BPharm, M.Sc (KNUST, Kumasi, Gh)	Assistant Lecturer

Publications:

Mohammed, B. S.

Mohammed, B.S. and Cameron, G (2019). The effect of sparse sampling on the prediction error in pharmacokinetics of intravenous paracetamol in children. *World Journal of Pharmacy and Pharmaceutical Sciences*, Vol. 8, No. 2, pp. 1147-1161

Mohammed, B.S. and Tiah, S.A. (2019). Medicines prescribing pattern in northern Ghana: does it comply with WHO recommendations for prescribing indicators? *African Journal of Pharmacy and Pharmacology*, Vol. 13, No. 6, pp. 70-75

Tabiri, S., Adjimani, N.T., **Mohammed, B.S.** (2018). Propofol versus pethidine/ midazolam sedation: benefits in flexible upper gastrointestinal endoscopy, *Ain- Shams Journal of Anesthesiology*, Available at: <https://asja.springeropen.com/articles/10.1186/s42077-018-0013-7>

Helegbe, G.K., Aryee, P.A., **Mohammed, B.S.**, Wemakor, A., Kolbila, D., Abubakari, A., Askanda, S., Alhassan, R., Barnie, C., Donkoh, A., Ofori, E. (2018) Seroprevalence of malaria and hepatitis B co-infection among pregnant women in Tamale metropolis of Ghana: A cross-sectional study. *Can J Infect Dis Med Microbiol*. 2018: 5610981. doi: [10.1155/2018/5610981](https://doi.org/10.1155/2018/5610981)

Ameade, E. P. K.

Musah, Y., **Ameade, E. P.**, Attuquayefio, D. K., & Holbech, L. H. (2019). Epidemiology, ecology and human perceptions of snakebites in a savanna community of northern Ghana. *PLoS neglected tropical diseases*, 13(8), e0007221.

- Ameade EPK**, Baba MM, Iddrisu NU, Musah AA, Gbedema SY (2018) Herbal Pharmacovigilance: Are Ghanaian Herbal Medicine Practitioners Equipped Enough to Assist in Monitoring the Safety of Herbal Medicines? - A Survey in Tamale, Ghana. *Chronic Complement Altern Integra Med: CCAIM-101*.
- Ameade, E. P. K.**, Amalba, A., & Mohammed, B. S. (2018). Prevalence of dysmenorrhea among University students in Northern Ghana; its impact and management strategies. *BMC women's health*, 18(1), 39.
- Ameade, E. P. K.**, Ibrahim, M., Ibrahim, H. S., Habib, R. H., & Gbedema, S. Y. (2018). Concurrent Use of Herbal and Orthodox Medicines among Residents of Tamale, Northern Ghana, Who Patronize Hospitals and Herbal Clinics. *Evidence-Based Complementary and Alternative Medicine*, 2018.
- Ameade E.P.K** & Majeed S.F (2018). Contraceptive Methods: The Level of Awareness and Patronage among Ghanaian Health Profession Trainees. *Biomed J Sci&Tech Res* 7(1)- 2018. DOI: 10.26717/ BJSTR.2018.07.001435
- Ameade E.P.K**, Tee, C.G, Dakurah, H.C., & Opat, H.M. (2018). Uncomplicated Malaria in Children under 6 Months or Less than 5 Kg; How Prescribers in Ghana Manage it in the Absence of a National Policy. *Int J Trop Dis* 1:002

Owusu, G

Hannah, I.T Akrofi, R, Ameyaw, E.O, Ninja D, **Owusu, G**, Abane, B. (2018). Stem bark extract of *Sterculia we like* exhibits anti-inflammatory properties through membrane stabilization, inhibition of protein denaturation and prostaglandin E2 activity. *Journal of pharmaceutical research international*. 22(5): 1-11..

DEPARTMENT OF PATHOLOGY

Staff

Name	Qualification	Rank/Position
Der, E. M	BSc. MBChB (UDS.Tamale,Gh), MGCPs (Ghana), FWACP (Nigeria)	Senior Lecturer/HOD
Ibrahim, M. M	BSc. MBChB, (UDS. Tamale, Gh), JMHPE (Manstricht), MMED, PhD (Dalian)	Senior Lecturer

Publications

Der, E. M.

1. Kwarase R, Adu-kyere D, **Der EM**. (2019). Cervical Cancer: Knowledge, Attitude and Practice of Screening among Women in Bongo District of the Upper East Region of Ghana. *Gynecol Reprod Health*. 3(4): 1-7.
2. **E. M. Der** and S. Seidu. (2019). Case Reports in Obstetrics and Gynecology, 5 pages <https://doi.org/10.1155/2019/1210509>

3. **Der EM, Ibrahim MM, Buunaaim ADB, Naporo S, Tolgou NT, Yenli E, Gumanga S, Adjeso T, Damah M Tabiri S.** (2018). Baseline Study of Cancer Patterns in the Department of Pathology of the Tamale Teaching Hospital, Northern Region of Ghana. *JAMMR*, 2018 27(9): 1-14.
4. **Der EM, GyasiRK, Wiredu EK** (2018). Prognostication of Breast Cancer in Ghanaian Women Receiving Modified Radical Mastectomy: A Retrospective Histopathological Study at Korle-Bu Teaching Hospital, Accra, Ghana Arch Breast Cancer 2018; Vol. 5, No. 3: 129-137
5. **Der, E.M., Asomma, K., Ayete, L.,** (2018). Invasive squamous cell cancer arising in a mature cystic teratoma: a case report in a 75-year-old Ghanaian woman. *Journal of Clinical Pathology and Laboratory Medicine*, 2(2).
6. **Der, E.M., Aduah, R., Iddisa, B.M., Awinboya, G.A., Yakong, V.N.,** (2018). The Knowledge and Acceptability of Cervical Cancer Screening among Female Students in University for Development Studies (UDS) Tamale Campus-Dungu. *JAMMR*, 27(4): 1-9
7. **Der, E.M., Yelbora. M.,** (2018). Neglected Aneurysmal Bone Cyst of the Mandible: A Case Report in a 10 Year Old Girl in Volta Region of Ghana. *JSM Med Case Rep*, 3(1): 1007.
8. **Der, E.M., Dam M.R., Zakaria, A.H., Zakaria A., Nakong, N.V.,** (2018). The knowledge and attitude of the usage of female condom among students in the University for Development Studies Tamale Campus *wjpmr*, 4(8), 01- 06
9. **Der, E.M., Tettey, Y., Gyasi, RK., Wiredu. EK.,** (2018). Trends in Thyroid Malignancies in Accra Ghana: A Retrospective Histopathological Review in the Department of Pathology (1994-2013), Korle-Bu Teaching Hospital. *J Cancer Sci Clin Oncol* 5(1): 101.
10. **Der, E.M., Ali, W., Avorka, J.S., Salifu, R., Azongo, B.T.,** (2018). Assessing the knowledge and attitude of tertiary students on the risk factors of breast cancer in the tamale metropolis. *Ijmrps*. 5(4) doi: 10.5281/zenodo.1214972.
11. **Der, E.M., Yussif, R., Twumasi, I, Sijaabom, L., Azongo, B.T.,** (2018). Assessing the awareness of cervical cancer among female Senior High School students in the Tamale Metropolis. *Br J Med Health Res*. 5(02).
12. **Der, EM..** (2018). Follicular Thyroid Carcinoma in a Country of Endemic Iodine Deficiency (1994–2013) *Journal of Thyroid Research* Article ID 6516035, 5 pages. <https://doi.org/10.1155/2018/6516035>

Ibrahim, M. M.

Der EM, **Ibrahim MM**, Buunaaim ADB, Naporo S, Tolgou NT, Yenli E, Gumanga S, Adjeso T, Damah M Tabiri S. (2018). Baseline Study of Cancer Patterns in the Department of Pathology of the Tamale Teaching Hospital, Northern Region of Ghana. *JAMMR*, 2018 27(9): 1-14.

DEPARTMENT OF PHYSIOLOGY & BIOPHYSICS**Staff**

Name	Qualification	Rank/Position
Majeed, S. F.	BSc, MPhil (KNUST, Kumasi, Gh)	Senior Lecturer/HoD
Opore-Asamoah, K	BSc, MPhil (KNUST, Kumasi, Gh)	Senior Lecturer
Wezena, C. A.	BSc (KNUST, Kumasi, Gh), MSc (London Sch of Hyg, London), Ph.D (Heidelberg, Germany)	Lecturer

Publications

Abass Alhassan and **Saeed Majeed**. (2018). “Perception of Ghanaian Medical Students of Cadaveric Dissection in a Problem-Based Learning Curriculum,” *Anatomy Research International*, vol. 2018, Article ID 3868204, 7 pages, <https://doi.org/10.1155/2018/3868204>.

Wezena, C. A., Alisch, R., Golzmann, A., Liedgens, L., Staudacher, V., Pradel, G., *et al.* (2018). The cytosolic glyoxalases of *Plasmodium falciparum* are dispensable during asexual blood-stage development. *Microbial Cell*, 5(1): 32–41.

Conference Paper

Kwame Opore-Asamoah, Baba Mohammed Sulemana, Alhassan Abdul-Mumin, Majeed F. Saeed, Lawrence Quaye and George Assumeng Koffour, “Prescription Patterns at the Neonatal Intensive Care Unit of a Tertiary Teaching Hospital in Ghana”, 3rd World Muslim Health Societies Congress & Expo 2018, 15-17 December, 2018. Istanbul, Turkey

DEPARTMENT OF RADIOLOGY**Staff**

Name	Qualification	Rank/Position
Abdulai, A. B.	B.Sc. Human Biology (UDS, Tamale, Gh), MBChB. (Ghana), MGCP (Ghana)	Lecturer/HOD

Publications**Journal Article**

1. Hayford kwakye asare, **Abubakari Bawah Abdulai**, Emmanuel Akorli, Samson Aweligba, Patricia Akorli. (2019). Computer Tomographic Findings of Traumatic Brain Injury in Patients with Head Trauma Presenting at the Tamale Teaching Hospital, Ghana. *Journal of Radiology and Clinical Imaging* 2:024-032.
2. Hayford kwakye asare, Emmanuel Akorli, **Abubakari Bawah Abdulai**, Patricia Akorli, Samson Aweligba. (2019). Trends of computerised tomography findings of traumatic head injury in patients in a Ghanaian tertiary healthcare centre. *international journal of public and environmental health* vol.6(3), pp. 24-31.

Research Interest Areas:

Prevalence of traumatic head injury cases among RTA patients presenting to the A&E and Radiology Department at the Tamale Teaching Hospital.

1. Prevalence and ultrasound findings of congenital fetal malformation among pregnant women presenting at the A&C of the Obstetric and Gynecological Department at the Tamale Teaching Hospital.
2. Determine the case rate of dextrocardia (citus in vistus) among the patients presenting at the Radiology Department of a tertiary center in the northern region for chest x-ray examinations.
3. A collaborative research on the computer tomographic findings in patients with headache as indications for the CT scanning.

DEPARTMENT OF SURGERY**Staff**

Name	Qualification	Rank/Position
Tabiri, S.	MD, PhD (Kharkov, Ukraine) FGCS (Gh), FACS, Med (UCC, Cape coast)	Associate Professor / Vice Dean / HoD
Abantanga, F. A.	MD, Cert. Paediatric Surgery (Kharkov, Ukraine), PhD (Academy of Sciences, Ukraine), FWACS, Cert. Cardiothoracic Surgery (Halle, Germany), FGCS, FICS,	Professor/Dean
Azahares L.G	MD, Certificate Pediatric Surgeon, (Guantanamo, Cuba)	Senior Lecturer
Nabare, C.	MSc. Emergency Surgery (Guantanamo, Cuba), MBChB, (Ghana) FACH (Gottingen, Germany)	Senior Lecturer
Adam, A.	MD, (Byelorussia, USSR) FACH (Freiburg, Germany), FGCS	Senior Lecturer
Buunaaim, A.	MBChB, (KNUST, Kumasi, Gh) MHPE, (Maastricht, Netherlands) MMed, (Makerere, Uganda) FCS (ECSA)	Senior Lecturer
Kyereh, M.	MBChB, (Ghana), FWACS, FGCS	Senior Lecturer
Afoko, A.A.	MD, (Rostov, Russia) Cert Urological Surgery, (Osnabruck, Germany) PhD, (Rostov, Russia)	Senior Lecturer
Yenli, E.M.T.	MBChB, (UDS, Tamale, Gh) (KNUST, Kumasi, Gh) MGCS, FGCS	Senior Lecturer
Issaka, A.	MD (Ankara, Turkey) Specialist Thoracic Surgery (Korle-Bu, Gh)	Senior Lecturer
Bukari, M. S.	MBChB, MGCS, (Ghana), FWCPs	Lecturer

Publications**Stephen Tabiri**

1. **Global Surg Collaborative.** (2019). Global burden of postoperative death. *The Lancet*. Vol. 393(10170):401. DOI: 10.1016/S0140-6736(18)33139-8
2. **S. Tabiri**, F. Owusu, F. Atindaana Abantanga, A. Moten, D. Nepogodiev, O. Omar, A. Bhangu. (2019). Mesh versus suture repair of primary inguinal hernia in Ghana. *BJS Open*. DOI: 10.1002/bjs.550186.

3. **Stephen Tabiri**, Nicholas Tetteh Adjimani and Baba Sulemana Mohammed. (2019). Propofol versus pethidine/midazolam sedation: benefits in flexible upper gastrointestinal endoscopy. *Ain-Shams Journal of Anesthesiology* <https://doi.org/10.1186/s42077-018-0013-7>
4. **Global Surgery Collaborative**. (2019). Global variation in anastomosis and end colostomy formation following left-sided colorectal resection. *BJS open*. DOI: 1002/bjs5.50138.
5. **Global Surgery Collaborative**. (2018) Laparoscopy in management of appendicitis in high-, middle-, and low-income countries: a multicenter, prospective, cohort study. *Surgical Endoscopy*. <https://doi.org/10.1007/s00464-018-6064-9>.
6. **Global Surgery Collaborative**. (2018). Surgical site infection after gastrointestinal surgery in high-income, middle-income, and low-income countries: a prospective, international, multicentre cohort study. *The Lancet Infectious Diseases*. [http://dx.doi.org/10.1016/S1473-3099\(18\)30101-4](http://dx.doi.org/10.1016/S1473-3099(18)30101-4)
7. Jessica H. Beard, Michael Ohene-Yeboah, **Stephen Tabiri**, Joachim K.A. Amoako, Francis A. Abantanga, Carrie A.Sims, PärNordin, Andreas Wladis, Hobart W.Harris, Jenny Löfgren. (2019). Outcomes After Inguinal Hernia Repair With Mesh Performed by Medical Doctors and Surgeons in Ghana. *JAMA Surg*. doi:10.1001/jamasurg.2019.1744.
8. GlobalSurg Collaborative. (2019). Pooled analysis of WHO Surgical Safety Checklist use and mortality after emergency laparotomy. *BJS open*. 106: e103–e112 DOI: 10.1002/bjs.11051.
9. **Global Surgery Collaborative**. (2019). Prioritizing research for patients requiring surgery in low- and middle-income countries. *BJS open*. 106: e113–e120. DOI: 10.1002/bjs.11037.
10. **Global Surgery Collaborative**. (2019). Quality and outcomes in global cancer surgery: protocol for a multicentre, international, prospective cohort study. *BMJ Open* 2019;9:e026646. doi:10.1136/bmjopen-2018-026646.
11. E. M. Der, M. M. Ibrahim, A. D. B. Buunaaaim, S. Naporo, N. Y. Tolgou, E. Yenli, S. Gumanga, T. Adjeso, M. Damah, **S. Tabiri**. (2018). Baseline Study of Cancer Patterns in the Department of Pathology of the Tamale Teaching Hospital, Northern Region of Ghana. *JAMMR*. 27(9): 1-14, 2018.
12. **Stephen Tabiri**, Edwin M.T. Yenli, Frank E. Gyamfi, Ali Jalali, Richard E. Nelson, Raymond R. Price, Micah G. Katz. (2018). The use of mesh for inguinal hernia repair in northern Ghana. *JSR*. Vol. 230. Pages 137–142. DOI: <https://doi.org/10.1016/j.jss.2018.04.058>

13. **Stephen Tabiri**¹, Katie W. Russell, Frank E. Gyamfi, Ali Jalali, Raymond R. Price, Micah G. Katz. (2018). Local anesthesia underutilized for inguinal hernia repair in northern Ghana. *PLoS ONE*. Vol.13 (11):e0206465.<https://doi.org/10.1371/journal.pone.0206465>.
14. **Stephen Tabiri**, Ali Jalali, Richard E. Nelson, Michael C. Damah, Francis A. Abantanga, Raymond R. Price, Micah G. Katz (2018). Barriers to Timely Presentation of Patients with Surgical Conditions at Tamale Teaching Hospital in Northern Ghana. *World J. Surg.*, <https://doi.org/10.1007/s00268-018-4800-x>.

Francis A. Abantanga

1. Jessica H. Beard, Michael Ohene-Yeboah, Stephen Tabiri, Joachim K.A. Amoako, **Francis A. Abantanga**, Carrie A.Sims, PärNordin, Andreas Wladis, Hobart W.Harris, Jenny Löfgren. (2019). Outcomes After Inguinal Hernia Repair With Mesh Performed by Medical Doctors and Surgeons in Ghana. *JAMA Surg.* doi:10.1001/jamasurg.2019.1744.
2. S. Tabiri¹, F. Owusu, **F. Atindaana Abantanga**, A. Moten, D. Nepogodiev, O. Omar, A. Bhangu. (2019). Mesh versus suture repair of primary inguinal hernia in Ghana. *BJS Open*. DOI: 10.1002/bjs5.50186.
3. Amalba A; **Abantanga FA**, Scherpbier A J J A; van Mook W N K A (2019). Trainees’ preferences regarding the choice of place of work after completing medical training in traditional or Problem-Based Learning/Community-Based Education and Service curricula: a study in Ghanaian medical schools. *Remote and Rural health.* <https://doi.org/10.22605/RRH5087>
4. Amalba A, **Abantanga F. A**, Scherpbier A. J. J. A. & van Mook W. N. K. A. (2018). Working among the rural communities in Ghana - why doctors choose to engage in rural practice. *BMC Medical Education*. 18:133. <https://doi.org/10.1186/s12909-018-1234-y>
5. Stephen Tabiri¹, Ali Jalali, Richard E. Nelson, Michael C. Damah, **Francis A. Abantanga**, Raymond R. Price, Micah G. Katz (2018). Barriers to Timely Presentation of Patients with Surgical Conditions at Tamale Teaching Hospital in Northern Ghana. *World J. Surg.*, <https://doi.org/10.1007/s00268-018-4800-x>.
6. **Global Surgery Collaborative**. (2018) Laparoscopy in management of appendicitis in high-, middle-, and low-income countries: a multicenter, prospective, cohort study. *Surgical Endoscopy*. <https://doi.org/10.1007/s00464-018-6064-9>.

Edwin M. T. Y.

1. E. M. Der, M. M. Ibrahim, A. D. B. Buunaaim, S. Naporo, N. Y. Tolgou, **E. Yenli**, S. Gumanga, T. Adjeso, M. Damah, S. Tabiri. (2018). Baseline Study of Cancer Patterns in the Department of Pathology of the Tamale Teaching Hospital, Northern Region of Ghana. *JAMMR*. 27(9): 1-14, 2018.

2. Stephen Tabiri, **Edwin M.T. Yenli**, Frank E. Gyamfi, Ali Jalali, Richard E. Nelson, Raymond R. Price, Micah G. Katz. (2018). The use of mesh for inguinal hernia repair in northern Ghana. *JSR. Vol. 230. Pages 137–142. DOI: <https://doi.org/10.1016/j.jss.2018.04.058>*

Alexis Dun Bo-ib Buunaaim

1. E. M. Der, M. M. Ibrahim, **A. D. B. Buunaaim**, S. Naporo, N. Y. Tolgou, **E. Yenli**, S. Gumanga, T. Adjeso, M. Damah, S. Tabiri. (2018). Baseline Study of Cancer Patterns in the Department of Pathology of the Tamale Teaching Hospital, Northern Region of Ghana. *JAMMR. 27(9): 1-14.*

Issaka A. (Book Chapters)

1. Book Title: Paediatric Thoracic Surgery (Cocuk Gogus Cerrahisi). **Issaka A**, Ermerak NO. (2018). Paediatric Lung Abscess (Pediatrik Akciğer Apsesi). In *Cocuk Gogus Cerrahisi*, Chapter 44. Akamisyen Kitabevleri, Ankara, Turkey. ISBN: 978-605-258-223-7, 411-414. <https://www.akademisyen.com/cocuk-gogus-cerrahisi.html>
2. Ozgul MA, Cetinkaya E, Cortuk M, Tanriverdi E, Yildirim BZ, Balci MK, **Issaka A**, Ozgul G. (2018). Oki stent application in different indications: Six cases. *Clin Respir J. 234-240.* <https://www.ncbi.nlm.nih.gov/pubmed/27329014>

SCHOOL OF ALLIED HEALTH SCIENCES (SAHS)

Introduction

The School of Allied Health Sciences (SAHS) focuses on human development through the training of qualified health professionals who provide the needed health services in deprived communities in particular to improve on the quality of life of the people. In line with its Philosophy and Mission, the SAHS provides an integrative approach to learning and developing health professional leaders for roles in building healthy communities.

International Collaborations/Linkages

- MoU with Arima Group of Companies Ghana Limited to provide the finest and latest techniques to students by sharing knowledge through teaching at the University for Development Studies.
- MoU with Pace University (New York) to establish a cooperative relationship through mutual assistance in the areas of joint educational, cultural and research activities, including exchange of Faculty members and graduate students for research, lectures and discussions, seminars and academic meetings, exchange of academic materials, publications and other information, and special short-term academic programs.
- 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 M.CHaD 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.

Departments under SAHS

The School has eight departments namely:

- Department of Biomedical Laboratory Sciences
- Department of Nutritional Sciences
- Department of Midwifery
- Department of Nursing
- Department of Public Health
- Department of Behavioural Sciences
- Department of Paediatric Nursing
- Department of Health Science Education

Student Population

The School had a student population of Three Thousand, Five Hundred and Twenty-Nine (3,529) during the 2018/2019 academic year, consisting of One Thousand, Seven Hundred

and Nine (1,709) males and One Thousand, Eight Hundred and Twenty (1,820) females. The detailed student population is shown in the Table below.

SAHS Student population by Programme and Gender

Programme	Male	Female	Total
B.Sc. Nursing	733	422	1155
B.Sc. Midwifery	83	794	877
B.Sc. Community Nutrition	218	293	511
Doctor of Medical Laboratory Science	532	244	776
Doctor of Medical Laboratory Science (Top-up)	42	18	60
Ph.D. Chemical Pathology	4	0	4
M.Sc. Community Health and Development	1	3	4
M.Phil. Community Health and Development	32	14	46
M.Sc. Public Health Nutrition	6	7	13
M.Phil. Public Health Nutrition	20	3	23
B.Sc. Paediatric Nursing	16	17	33
B.Sc. Nurse Practitioner	22	5	7
Grand Total	1709	1820	3529

Office of the Dean

Staff

Name	Qualification	Rank/Position
Amidu, N.	B.Sc., Ph.D. (KNUST, Kumasi, Gh)	Associate Professor/Dean
Azongo, T. B.	B.A., MPH., Ph.D.(Ghana)	Senior Lecturer/ Vice Dean
Antwi, E. A.	B.Ed ., M.Phil. (UCC, Cape Coast, Gh), CMC, ChPA (CIAMC, Accra, Gh)	Assistant Registrar/Faculty Officer
Alhassan, M.	HND. (TaTU, Tamale, Gh), B.A., M.Phil. (Ghana), D.PH (Dusseldorf, Germany)	Lecturer/SAHS Examination Officer

Publications

Antwi, E. A.

- Thompson, J. D., Ansoglenang, G., & **Antwi, E. A.** (2019). The Impact and Challenges of Extracurricular Activities on Students in Public Universities of Ghana: The University for Development Studies Debate Society Experience. *Research Journal of Educational Studies and Review*, 5(2): 12-21.
- Thompson, J. D., Ansoglenang, G., & **Antwi, E. A.** (2019). Influence of Examination Rules and Regulations on Students and How to Reduce Examination Malpractice in the University for Development Studies. *Research Journal of Educational Studies and Review*, 5(2): 22-31.

DEPARTMENT OF BIOMEDICAL LABORATORY SCIENCES**Staff**

Name	Qualification	Rank/Position
Quaye, L.	B.Sc., M.Phil., Ph.D. (KNUST, Kumasi, Gh)	Senior Lecturer/HoD
Amidu, N.	B.Sc., Ph.D. (KNUST, Kumasi, Gh)	Associate Professor/ Dean
Saaka, M. J. A.	Dip (Ghana), M.Sc. (Westminster, UK)	Senior Lecturer/SAHS QA Officer
Mumuni, A. N.	B.Sc. (UDS, Tamale, Gh), M.Sc. (Aberdeen, UK), Cert. NIR (Edinburgh, UK), Ph.D. (Glasgow, UK)	Lecturer/SAHS TTFPF Coordinator
Antuamwine, B. B.	B.Sc. (KNUST, Kumasi, Gh), M.Sc. (Malmö, Scania, Sweden)	Assistant Lecturer/ Departmental QA Officer
Yussif, A.	B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana)	Assistant Lecturer
Dapare, P. P. M.	B.Sc., M.Phil. (KNUST, Kumasi, Gh),	Assistant Lecturer
Bannison, B. S.	B.Sc. (KNUST, Kumasi, Gh), M.Phil. (Ghana)	Assistant Lecturer
Mensah-Attipoe, I.	Dip. (ATU, Accra, Gh), B.E. (ANU, Koforidua, Gh), M.Phil. (Ghana)	Assistant Lecturer
Nkansah, D. O.	Dip. (ATU, Accra, Gh), B.Sc., M.Phil. (Ghana)	Assistant Lecturer
Moses, B.	B.Sc. (KNUST, Kumasi, Gh), M.Sc. (ARU, Cambridge, UK)	Chief Research Assistant
Idris, C. H.	B.Sc. (KNUST, Kumasi, Gh)	Senior Research Assistant

Programmes

1. Doctor of Medical Laboratory Science
2. Doctor of Medical Laboratory Science (Top-up)
3. M.Phil. Chemical Pathology
4. Ph.D. Chemical Pathology

Publications**Quaye, L.**

- Amidu, N., Owiredun, W. K. B. A., **Quaye, L.**, Dapare, P. P. M., & Adams, Y. (2019). Comparative Abilities of Fasting Plasma Glucose and Haemoglobin A1c in Predicting Metabolic Syndrome among Apparently Healthy Normoglycemic Ghanaian Adults. *International Journal of Chronic Diseases*, 1-8, <https://doi.org/10.1155/2019/2578171>
- Agboli, E., Kye-Duodu, G., **Quaye, L.**, Adeze-Kpodo, R., Lokpo, S. Y., Atadja, P., & Binka, F. (2018). Gaps in Laboratory Quality Management Systems in the Volta Region of Ghana. *Asian Journal of Medicine and Health*, 10(1):1-9.

Amidu, N.

- **Amidu N.**, Alhassan A., Owiredo, W. K. B. A., Alidu, H., Antuamwine, B. B., & Abdul-Wahid, M. (2019). Validity and Reliability of the Golombok-Rust Inventory of Sexual Satisfaction (GRISS) in Patients with Type 2 Diabetes. *Journal of Sex and Marital Therapy*, 45(2): 141-147.
- **Amidu N.**, Antuamwine, B. B., Addai-Mensah, O., Abdul-Karim, A., Stebleson, A., Abubakari, B. B., Abenyeri, J., Opoku, A. S., Nkukah, J. E., & Najibullah, A. S. (2019). Diagnosis of Bacterial Meningitis in Ghana: Polymerase Chain Reaction versus Latex Agglutination Methods. *PloS one*, 14(1): e0210812.
- Iddrisu, A-K., Alhassan, A., & **Amidu, N.** (2019). Survival Analysis of Birth Defect Infants and Children with Pneumonia Mortality in Ghana. *Advances in Public Health*, 2019: 1-7, <https://doi.org/10.1155/2019/2856510>.
- **Amidu, N.**, Owiredo, W. K. B. A., Quaye, L., Dapare, P. P. M., & Adams, Y. (2019). Comparative Abilities of Fasting Plasma Glucose and Haemoglobin A1c in Predicting Metabolic Syndrome among Apparently Healthy Normoglycemic Ghanaian Adults. *International Journal of Chronic Diseases*, 1-8, <https://doi.org/10.1155/2019/2578171>
- **Amidu, N.**, Owiredo, W. K. B. A., Antuamwine, B. B., & Addai-Mensah, O. (2018). Use of Selected Anthropometric Indices for Screening Hypertension in an Adult Ghanaian Population. *Asian Journal of Medical Principles and Clinical Practice*: 1-9.
- Iddrisu, A-K., Alhassan, A., & **Amidu, N.** (2018). Investigating Spatio-Temporal Pattern of Relative Risk of Tuberculosis in Kenya Using Bayesian Hierarchical Approaches. *Journal of Tuberculosis Research*, 6(2): 175.
- **Amidu, N.**, Issah, H., Alhassan, M., Yakong, V. N., Yahaya, W., Dapare P. P. M., & Adams, Y. (2018) Stress, Anxiety and Sleep Disorder among Nurses: A Cross-sectional Study of Rotation versus Fixed Shift Workers. *International Neuropsychiatric Disease Journal*, 11(1): 1-12.
- **Amidu, N.**, Alhassan, M., Issah, H., Yakong, V. N., Yahaya, W., Adams, Y. & Dapare P. P. M. (2018). Perceived Stress and Anxiety in Women during Labour: A Case of Tamale West Hospital, Tamale, Ghana. *Asian Journal of Medicine and Health*, 11(2): 1-10.
- **Amidu, N.**, Alidu, H., Owiredo, W. K. B. A., Antuamwine, B. B., Addai-Mensah, O. & Dapare, P. P. M. (2018). Adequate Exercise improves Inflammatory, Gonadal Markers and Sexual Function in Type 2 Diabetics. *Journal of Advances in Medicine and Medical Research*, 25(8): 1-8.

Mumuni, A. N.**Journal Articles**

- Iddrisu, M. T., **Mumuni, A. N.**, Ahmed, A., Mohammed, A. K., & Yahaya, W (2019). Indices of Patients’ Satisfaction with Healthcare Services in a Teaching Hospital. *UDS International Journal of Development*, 6(1): 23-34.

- Asante, K. S., Mohammed, A. G., Delle, A. A., & **Mumuni, A. N.** (2019). Cervical Cancer Knowledge and Screening among Schooling and Uneducated Females within Tamale-Ghana. *Journal of Advances in Medicine and Medical Research*, 29(1): 1-15.
- **Mumuni, A. N.** (2019). A Move from Measurement of Brain Metabolism to Monitoring of Dynamic Brain Function: Advancement towards Better Understanding of Brain Behavior. *EC Psychology and Psychiatry*, 8(3): 246-249.
- Inkoom, S., Hasford, F., Amuasi, J. H., Kyere, A. K., Schandorf, J. J., Fletcher, J. J., Addison, E. C. K., Boadu, M., Sosu, E. K., Sackey, T. A., Tagoe, S. N. A., & **Mumuni, A. N.** (2018). Five Years of International Day of Medical Physics Celebration in Ghana – The Experience. *Medical Physics International Journal*, 6(1): 148-151.

Book Chapter

- **Mumuni, A. N.**, McLean, J., Krishnadas, R., Lopez-Gonzalez, M. R., Cavanagh, J., & Condon, B. (2019). Assessment of Brain Water Content in Peripheral Inflammation by an Optimized Single-voxel MR Spectroscopy Quantitation Technique. In: Lhotska L., Sukupova L., Lacković I., Ibbott G. (eds) *World Congress on Medical Physics and Biomedical Engineering 2018. IFMBE Proceedings*, 68(1): 91-96. Springer, Singapore

Antuamwine, B. B.

- Amidu N., **Antuamwine, B. B.**, Addai-Mensah, O., Abdul-Karim, A., Stebleson, A., Abubakari, B. B., Abenyeri, J., Opoku, A. S., Nkukah, J. E., & Najibullah, A. S. (2019). Diagnosis of Bacterial Meningitis in Ghana: Polymerase Chain Reaction versus Latex Agglutination Methods. *PloS One*, 14(1): e0210812.
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- Amidu, N., Alidu, H., Owiredo, W. K. B. A., **Antuamwine, B. B.**, Addai-Mensah, O. & Dapare, P. P. M. (2018). Adequate Exercise improves Inflammatory, Gonadal Markers and Sexual Function in Type 2 Diabetics. *Journal of Advances in Medicine and Medical Research*, 25(8): 1-8.
- Amidu, N., Owiredo, W. K. B. A., **Antuamwine, B. B.**, & Addai-Mensah, O. (2018). Use of Selected Anthropometric Indices for Screening Hypertension in an Adult Ghanaian Population. *Asian Journal of Medical Principles and Clinical Practice*: 1-9.

Yussif, A.

- Amidu, N., Owiredue, W. K. B. A., Quaye, L., Dapare, P. P. M., & **Adams, Y.** (2019). Comparative Abilities of Fasting Plasma Glucose and Haemoglobin A1c in Predicting Metabolic Syndrome among Apparently Healthy Normoglycemic Ghanaian Adults. *International Journal of Chronic Diseases*, 1-8, <https://doi.org/10.1155/2019/2578171>
- Ziba, F. A., **Adams, Y.**, Dapare, P. P. M., Nanao, E. Y. O., Ayalbire, M. A., & Baba, E. M. (2019). Dysmenorrhea and Associated Risk Factors among Adolescent Girls in Junior High School of Upper East Region, Ghana. *International Journal of Research and Reports in Gynaecology*, 1-12.
- Amidu, N., Alhassan, M., Issah, H., Yakong, V. N., Yahaya, W., **Adams, Y.** & Dapare P. P. M. (2018). Perceived Stress and Anxiety in Women during Labour: A Case of Tamale West Hospital, Tamale, Ghana. *Asian Journal of Medicine and Health*, 11(2): 1-10.
- Amidu, N., Issah, H., Alhassan, M., Yakong, V. N., Yahaya, W., Dapare P. P. M., & **Adams, Y.** (2018) Stress, Anxiety and Sleep Disorder among Nurses: A Cross-sectional Study of Rotation versus Fixed Shift Workers. *International Neuropsychiatric Disease Journal*, 11(1): 1-12.
- **Adams, Y.**, Ofori, E. K., Asare-Anane, H., Amanquah, S. D., Ababio, G. K., Abendau, E., & Nabia, R. (2018). Adipocytokines in Obese Ghanaian Subjects with or without Type 2 Diabetes. *BMC Research Notes*, 11(1), 109., <https://doi.org/10.1186/s13104-018-3149-4>.

Dapare, P. P. M.

- Amidu, N., Owiredue, W. K. B. A., Quaye, L., Dapare, P. P. M., & **Adams, Y.** (2019). Comparative Abilities of Fasting Plasma Glucose and Haemoglobin A1c in Predicting Metabolic Syndrome among Apparently Healthy Normoglycemic Ghanaian Adults. *International Journal of Chronic Diseases*, 1-8, <https://doi.org/10.1155/2019/2578171>
- Ziba, F. A., **Adams, Y.**, Dapare, P. P. M., Nanao, E. Y. O., Ayalbire, M. A., & Baba, E. M. (2019). Dysmenorrhea and Associated Risk Factors among Adolescent Girls in Junior High School of Upper East Region, Ghana. *International Journal of Research and Reports in Gynaecology*, 1-12.
- Amidu, N., Alhassan, M., Issah, H., Yakong, V. N., Yahaya, W., **Adams, Y.** & Dapare P. P. M. (2018). Perceived Stress and Anxiety in Women during Labour: A Case of Tamale West Hospital, Tamale, Ghana. *Asian Journal of Medicine and Health*, 11(2): 1-10.
- Amidu, N., Issah, H., Alhassan, M., Yakong, V. N., Yahaya, W., Dapare P. P. M., & **Adams, Y.** (2018) Stress, Anxiety and Sleep Disorder among Nurses: A Cross-sectional Study of Rotation versus Fixed Shift Workers. *International Neuropsychiatric Disease Journal*, 11(1): 1-12.

- Amidu, N., Alidu, H., Owired, W. K. B. A., **Antuamwine, B. B.**, Addai-Mensah, O. & Dapare, P. P. M. (2018). Adequate Exercise improves Inflammatory, Gonadal Markers and Sexual Function in Type 2 Diabetics. *Journal of Advances in Medicine and Medical Research*, 25(8): 1-8.

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., Asmah, R. H., Wiredu, E. K. & Kaufmann, A. M. (2019). Dynamics of Genotype-specific HPV Clearance and Reinfection in Rural Ghana may Compromise HPV Screening Approaches. *Papillomavirus Research. Elsevier BV*, 7: 45–51.
- Basingnaa, A., Antwi-Baffour, S., **Nkansah, D. O.**, Afutu, E. & Owusu, E. (2018). Plasma Levels of Cytokines (IL-10, IFN- γ and TNF- α) in Multidrug Resistant Tuberculosis and Drug Responsive Tuberculosis Patients in Ghana. *Diseases. MDPI AG*, 7(1): 2., doi: 10.3390/diseases7010002.

DEPARTMENT OF NUTRITIONAL SCIENCES

Staff

Name	Qualification	Rank/Position
Abizari, A-R.	B.Sc. (UDS, Tamale, Gh), M.Sc., Ph.D. (WU, Wageningen, Netherlands)	Senior Lecturer/ HoD
Saaka, M.	B.Sc. (Ghana), MMedSc (Sheffield, UK), Ph.D.(Perth, UK)	Senior Lecturer
Aryee, P. A.	B.Sc., M.Phil. (Ghana), MMedSc (Sheffield, UK), Ph.D. (Southampton, UK)	Senior Lecturer
Wemakor, A. K.	B.Sc. (UDS, Tamale, Gh), M.Sc. (Ghent, Belgium), Ph.D. (Ulster, Ireland)	Senior Lecturer
Abubakari, A.	B.Sc. (UDS, Tamale, Gh), M.Sc. (Ghent, Belgium), Ph.D. (Heidelberg, Germany)	Senior Lecturer
Garti, H	B.Sc., M.Sc. (KNUST, Kumasi, Gh), Ph.D. (Newcastle Upon Tyne, UK)	Lecturer
Abu, N.	B.Sc. (UCC, Cape Coast, Gh), M.Sc. (Ghana)	Lecturer
Daari, K.*	B.Sc. (Ghana), M.Sc., Ph.D. (Aberdeen, UK)	Lecturer
Kubuga, C. K.	B.Sc. (UDS, Tamale, Gh), M.Sc. (Ghent, Belgium), Ph.D. (MSU, Michigan, USA)	Lecturer
Garti, H. A.	B.Sc. (UDS, Tamale, Gh), M.Sc. (Southampton, UK)	Lecturer
Agure, S.#	B.Sc. (Ghana), M.Phil. (Ghana)	Lecturer
Atosona, A.	B.Sc. (UDS, Tamale, Gh), M.Phil. (KNUST, Kumasi, Gh)	Lecturer

Programmes

1. BSc. Community Nutrition
2. MSc. Public Health Nutrition
3. MPhil. Public Health Nutrition

Abizari, A. R.

- Kubuga, C. K., **Abizari, A.-R.**, & Song, W. O. (2019). Iodine status of reproductive age women and their toddlers in northern Ghana improved through household supply of iodized salt and weekly indigenous meal consumption. *PLOS ONE* 14(5): e0216931.
- Sulley, I., **Abizari, A.-R.**, Ali Z., Peprah, W., Gombilla, Y. A., Forfoe, W. W., & Saaka, M. (2019). Growth monitoring and promotion practices among health workers may be suboptimal despite high knowledge scores. *BMC Health Services Research*, 19(1): 267.
- Hackl, L., **Abizari, A.-R.**, Speich, C., Zungbey-Garti, H., Cercamondi, C., Zeder, C., Moretti, D. (2019). Micronutrient-fortified rice can be a significant source of dietary bioavailable iron in schoolchildren from rural Ghana. *Science Advances*, 5(3): eaau0790.
- **Abizari, A.-R.**, & Ali, Z. (2019). Dietary patterns and associated factors of schooling Ghanaian adolescents. *Journal of Health, Population and Nutrition*, 38(1): 5.
- Chagomoka, T., Drescher, A., Glaser, R., Marschner, B., Schlesinger, J., **Abizari, A.-R.**, Nyandoro, G. (2018). Urban and peri-urban agriculture and its implication on food and nutrition insecurity in northern Ghana: a socio-spatial analysis along the urban–rural continuum. *Population and Environment*, 40(1): 27-46.
- Ali, Z., Abu, N., Ankamah, I. A., Gyinde, E. A., Seidu, A. S., & **Abizari, A.-R.** (2018). Nutritional status and dietary diversity of orphan and non-orphan children under five years: a comparative study in the Brong Ahafo region of Ghana. *BMC Nutrition*, 4(1): 32.
- Ali, Z., & **Abizari, A.-R.** (2018). Ramadan fasting alters food patterns, dietary diversity and body weight among Ghanaian adolescents. *Nutrition Journal*, 17(1): 75.

Saaka, M.

- **Saaka, M.**, Ali, F., & Vuu, F. (2018). Prevalence and determinants of essential newborn care practices in the Lawra District of Ghana. *BMC pediatrics*, 18(1): 173.

Aryee, P. A.

- Anabire, N. G., Tetteh, W. J., Obiri-Yaboah, D., Annan, I., Luuse, A. T., **Aryee, P. A.**, ... & Eliason, S. (2019). Evaluation of Hepatic and Kidney Dysfunction among Newly Diagnosed HIV Patients with Viral Hepatitis Infection in Cape Coast, Ghana. *BMC Research Notes*, 12(1), 466.

- Anabire, N. G., **Aryee, P. A.**, Abdul-Karim, A., Quaye, O., Awandare, G. A., & Helegbe, G. K. (2019). Impact of Malaria and Hepatitis B Co-infection on Clinical and Cytokine Profiles among Pregnant Women. *PloS one*, 14(4): e0215550.
- Anabire, N. G., **Aryee, P. A.**, Abdul-Karim, A., Abdulai, I. B., Quaye, O., Awandare, G. A., & Helegbe, G. K. (2019). Prevalence of Malaria and Hepatitis B among Pregnant Women in Northern Ghana: Comparing RDTs with PCR. *PloS one*, 14(2): e0210365.
- **Aryee, P. A.**, Helegbe, G. K., Agordoh, P. D., Mohammed, A. J., Muntala, J., Koblaji, F. A., & Kumojo, H. N. (2019). Exploring Consumer Knowledge, Understanding and Use of Food and Nutrition Label Information in the Tamale Metropolis of Ghana. *African Journal of Food, Agriculture, Nutrition and Development*, 19(2): 14415-14431.
- Yelkumo, N. Y., Suara, S. B., Boakye-Yiadom, A., & **Aryee, P. A.** (2019). Socio-Economic Determinants of Birth and Emergency Preparedness in Antenatal Care: A Study among Mothers in the Wa Municipality. *UDS International Journal of Development*, 6(1): 10-22.
- Aladago, D. A., Boakye-Yiadom, A., Asaarik, M. J., & **Aryee, P. A.** (2019). The Consequences of Abortion Restrictions for Adolescents’ Healthcare in Ghana: The Influence of Ghana’s Abortion Law on Access to Safe Abortion Services. *UDS International Journal of Development*, 6(1): 1-9.

Wemakor, A.

- Saeed, N., & **Wemakor, A.** (2019). Prevalence and determinants of depression in mothers of children under 5 years in Bole District, Ghana. *BMC research notes*, 12(1): 373.
- **Wemakor, A.**, & Laari, J. (2018). Association between household dietary diversity and nutritional status of children (6–36 months) in Wenchi Municipality, Brong Ahafo Region, Ghana. *Nutrire*, 43(1): 22.
- **Wemakor, A.**, Helegbe, G. K., Abdul-Mumin, A., Amedoe, S., Zoku, J. A., & Dufie, A. I. (2018). Prevalence and factors associated with incomplete immunization of children (12–23 months) in Kwabre East District, Ashanti Region, Ghana. *Archives of Public Health*, 76(1): 67.
- Helegbe, G. K., Aryee, P. A., Mohammed, B. S., **Wemakor, A.**, Kolbila, D., Abubakari, A. W., ... & Ofori, E. (2018). Seroprevalence of Malaria and Hepatitis B Coinfection among Pregnant Women in Tamale Metropolis of Ghana: A Cross-Sectional Study. *Canadian Journal of Infectious Diseases and Medical Microbiology*, 2018.

Abubakari, A.

- **Abubakari, A.**, Taabia, F. Z., & Ali, Z. (2019). Maternal Determinants of Low Birth Weight and Neonatal Asphyxia in the Upper West Region of Ghana. *Midwifery*, 73: 1-7.

- Agbozo, F., **Abubakari, A.**, & Jahn, A. (2019). Indication and Predictors for Caesarean Sections in Ghana and the Birth Outcomes. *European Journal of Obstetrics and Gynecology and Reproductive Biology*, 234: e5.
- Agbozo, F., **Abubakari, A.** & Jahn, A. (2018). Maternal Morbidities in Ghana: Risk Factors and Effect on Newborn Health Outcomes. *International Journal of Gynecology & Obstetrics*, Volume 143, Supplement 3, p190. ISSN 0020-7292
- Agbozo, F., Atitto, P., Jahn, A., & **Abubakari, A.** (2018). Nutrient Composition and Dietary Diversity of On-site Lunch Meals, and Anthropometry of Beneficiary Children in Private and Public Primary Schools in Ghana. *Nutrition and Health*, 24(4): 241-249.

Garti, H.

- **Garti, H.**, Agbemaflle, R. and Ibrahim, A. (2018). Effects of Shade and Sun Drying on Nutrient Composition of *Hibiscus cannabinus*. *UDS International Journal of Development (UDSIJD)*, 5(2): 61-71
- Robert. A. Boniface, W., & **Garti, H.** (2018). Effects of reconditioning of discrepant cocoa on quality of cocoa beans. *Food Science and Nutrition Technology*, 3(5): 1-12
- Wemakor, A., **Garti, H.**, Azongo T., Garti, H. A & Atosona, A. (2018). Young maternal age is a risk factor for child undernutrition in Tamale Metropolis, Ghana. *BMC, Res Notes*, 11: 877

Garti, H. A.

- Wemakor, A., Garti, H., Azongo T., **Garti, H. A** & Atosona, A. (2018). Young maternal age is a risk factor for child undernutrition in Tamale Metropolis, Ghana. *BMC, Res Notes* 11: 877

Abu, N.

- Ali, Z., **Abu, N.**, Ankamah, I. A., Gyinde, E. A., Seidu, A. S., & Abizari, A.-R. (2018). Nutritional status and dietary diversity of orphan and non-orphan children under five years: a comparative study in the Brong Ahafo region of Ghana. *BMC Nutrition*, 4(1), 32.

Atosona, A.

- **Atosona, A.** & Larbie, C. (2019). Prevalence and determinants of diabetic foot ulcers and lower extremity amputations in three selected tertiary hospitals in Ghana. *Journal of diabetes research*, 10: 1-10.
- Wemakor, A., Garti, H., Azongo, T., Garti, H. & **Atosona, A.** (2018). Young maternal age is a risk factor for child undernutrition in Tamale Metropolis, Ghana. *BMC Res Notes*, 11: 877.

Kubuga, C. K.

- **Kubuga, C. K., Hong, H. G., & Song, W. O. (2019).** Hibiscus sabdariffa Meal Improves Iron Status of Childbearing Age Women and Prevents Stunting in Their Toddlers in Northern Ghana. *Nutrients*, 11(1): 198.
- **Kubuga, C. K., Abizari, A. R., & Song, W. O. (2019).** Iodine status of reproductive age women and their toddlers in northern Ghana improved through household supply of iodized salt and weekly indigenous meal consumption. *PloS one*, 14(5): e0216931.
- **Kubuga, C. K., & Song, W. (2019).** Dietary Approaches to Mitigate Iron and Iodine Deficiencies of Mother-toddler Dyads During Lean Season in Northern Ghana (P10-104-19).
- **Kubuga, C. K., Dillon, A., & Song, W. (2018).** Container gardening to combat micronutrients deficiencies in mothers and young children during dry/lean season in northern Ghana. *Journal of Hunger & Environmental Nutrition*, 1-14.

DEPARTMENT OF MIDWIFERY**Staff**

Name	Qualification	Rank/Position
Azongo, T. B.	B.A., MPH, Ph.D. (Ghana)	Senior Lecturer/HoD
Yakong, N. V.	SRN (NTC, Bolgatanga, Gh), Dip. NP. (UDS, Tamale, Gh), BSN, MSN/Ph.D. (UBC, Okanagan, Canada)	Senior Lecturer
Kumoji, H.	SRN (Ghana), B.Ed. (UCC, Cape Coast, Gh), M.Sc. (UDS, Tamale, Gh)	Lecturer
Wuffele, G. M.	RGN (NTC, Bolgatanga, Gh), Diploma (Ghana), B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana)	Assistant Lecturer/Clinical Coordinator
Nachinab, G. T.	RGN (NTC, Bawku, Gh), B.Sc. (UCC, Cape Coast, Gh), M.Phil. (Ghana)	Assistant Lecturer/Departmental Quality Assurance Officer
Darcha, R.	RGN (NTC, Tamale, Gh), Diploma (Ghana), B.Sc., M.Phil. (UDS, Tamale, Gh)	Assistant Lecturer/Departmental Examinations Officer
Hamidu, H.	Dip NP (UDS, Tamale, Gh), BSN (UBC, Okanagan, Canada), M.Sc. (Maastricht, Netherlands)	Assistant Lecturer

Programmes

- B.Sc. Midwifery (*Regular*)
- B.Sc. Midwifery (*Modular*)

Publications

Azongo, T. B.

- Wombeogo, M., **Azongo, T. B.** & Abugre, D. (2018). The Perspective of Nurses and other Health Workers on the Integration of Comprehensive Physical Assessment into Nursing Practice in Ghana. *IOSR Journal of Nursing and Health Science (IOSR-JNHS)*, 7(1): 65-74.

Yakong, N. V.

- **Amidu, N.**, Issah, H., Alhassan, M., Yakong, V. N., Yahaya, W., Dapare P. P. M., & Adams, Y. (2018) Stress, Anxiety and Sleep Disorder among Nurses: A Cross-sectional Study of Rotation versus Fixed Shift Workers. *International Neuropsychiatric Disease Journal*, 11(1): 1-12.
- **Amidu, N.**, Alhassan, M., Issah, H., Yakong, V. N., Yahaya, W., Adams, Y. & Dapare P. P. M. (2018). Perceived Stress and Anxiety in Women during Labour: A Case of Tamale West Hospital, Tamale, Ghana. *Asian Journal of Medicine and Health*, 11(2): 1-10.
- Ziba, F. A., **Yakong, V. N.**, Asore, R. A., Frederickson, K. & Flynn, M. (2019). Douching Practices among Women in the Bolgatanga Municipality of the Upper East Region of Ghana. *BMC Women's Health*, 19: 32, <https://doi.org/10.1186/s12905-019-0720-7>
- Ziba, F. A. & **Yakong, N. V.** (2019). Awareness and Utilization of Emergency Contraceptives: A Survey among Ghanaian Tertiary Students. *Asian Journal of Research in Nursing and Health*, 2(1): 1-7.

DEPARTMENT OF NURSING

Staff

Name	Qualification	Rank/Position
Wombeogo, M.	B.A. (Ghana), Dip.APM (Executive Education, South Africa), Pg.(AD), IPN (PXL, Belgium), Pg.C. HIV/AIDS CC, M.A., D.Lit. Et Phil. (UNISA, South Africa), FWACN (Nigeria), FGCNM (Ghana)	Senior Lecturer/ HoD
Ziba, F. A.	RGN (NTC, Bolga, Gh), B.Sc. (UDS, Tamale, Gh), M.A. (Maastricht, Netherlands)	Lecturer
Mahamah, M. M.	SRN (NTC, Tamale, Gh), DHSE, B.Ed. (UCC, Cape Coast, Gh), M.Sc. (KNUST, Kumasi, Gh)	Lecturer
*Abugre, D.	SRN (NTC, Tamale, Gh), DHSE, B.Sc. (UCC, Cape Coast, Gh), MPH (Ghana)	Lecturer
Aarah-Bapuah, M.	RGN (NTC, Tamale, Gh), B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana)	Assistant Lecturer/ Clinical Coordinator
Fuseini, A. G.	B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana)	Assistant Lecturer/ Departmental Exams Officer
Agyeman, Y. N.	Diploma (KNTC, Kumasi, Gh), PG Dip (UCC, Cape Coast, Gh), B.Sc., MPH (KNUST, Kumasi, Gh).	Assistant Lecturer/Quality Assurance Officer
*Boakye, N. P.	SRN (NTC, Tamale, Gh), B.Sc., M.Phil. (Ghana)	Assistant Lecturer
Cudjoe, F. K	B.Sc. (UDS, Tamale, Gh)	Senior Research Assistant

*On study leave

Programmes

- BSc Nursing
- BSc Nurse Practitioner
- BSc Nursing (Modular)

Publications

Wombeogo, M.

- Alhassan, A., Kumi-Kyereme, A., **Wombeogo, M.**, & Fuseini, A. G. (2019). Nurse Participation in Political Activities: Level and Practices of Registered Nurses in Tamale, Ghana. *OJIN: The Online Journal of Issues in Nursing*, 24(2).
- Kanligi, D., **Wombeogo M.**, Mensah-Obeng, G & Baidoo, R. (2018). Social Marketing and Non-Communicable Diseases Prevention and Risk Behaviour Reduction among the Youth of Tamale. *Nursing and Healthcare International Journal*, 2(5).

- **Wombeogo, M.** & Abugre, D. (2018). The Essence of Complementary Pain Relief Methods in Modern Nursing in Ghana: The Concerns of Patients and Nurses. *International Journal of Research*, 5(1): 674-691.
- Balaara J. D & **Wombeogo, M.** (2018). Mothers’ Awareness and Level of Knowledge on Skilled Delivery and its Utilization in Yendi Municipality, Ghana. *International Journal of Innovative Research and Development*, 7(11): 141-148.
- Avoka, J. A., Adanu, R. M., **Wombeogo, M.**, Seidu, I. & Dun-Dery, E. J. (2018). Maternal and Neonatal Characteristics that influence Very Early Neonatal Mortality in the Eastern Regional Hospital of Ghana, Koforidua: A Retrospective Review. *BMC Research Notes*, 11(91):1-5
- **Wombeogo, M.** & Ayembilla, J. (2018). The “Pregnant Man”; A Strategy towards Husbands’ Contribution to Maternal and Child Health Risk Reduction in Rural Ghana. *International Journal of Research*, 5(1): 692-716.
- **Wombeogo, M.**, Azongo, T. B. & Abugre, D. (2018). The Perspective of Nurses and other Health Workers on the Integration of Comprehensive Physical Assessment into Nursing Practice in Ghana. *IOSR Journal of Nursing and Health Science (IOSR-JNHS)*, 7(1): 65-74.

Ziba, F. A.

- **Ziba, F. A.**, Adams, Y., Dapare, P. P. M., Nanao, E. Y. O., Ayalbire, M. A., & Baba, E. M. (2019). Dysmenorrhea and Associated Risk Factors among Adolescent Girls in Junior High School of Upper East Region, Ghana. *International Journal of Research and Reports in Gynaecology*, 1-12.
- **Ziba, F. A.**, Yakong, V. N., Asore, R. A., Frederickson, K. & Flynn, M. (2019). Douching Practices among Women in the Bolgatanga Municipality of the Upper East Region of Ghana. *BMC Women's Health*, 19: 32, <https://doi.org/10.1186/s12905-019-0720-7>
- **Ziba, F. A.** & Yakong, N. V. (2019). Awareness and Utilization of Emergency Contraceptives: A Survey among Ghanaian Tertiary Students. *Asian Journal of Research in Nursing and Health*, 2(1): 1-7.
- Kumbeni, M. T., **Ziba, F. A.**, Alem, J. N. & Nborah, S. A. (2019). Factors Influencing Male Involvement in Antenatal Care in the Kassena-Nankana Municipal in the Upper East Region, Ghana. *European Scientific Journal*, 15(21): ISSN: 1857 – 7881 (Print) e- ISSN 1857- 7431

Abugre, D.

- **Abugre, D.**, Mogre, V. & Bhengu, B. R. (2019). Effect of Patient-centred Care on Quality Nursing Care, Nurse-sensitive Indicators and Satisfaction of Nurses and Patients in Adult Medical Inpatients Setting: A Mixed Methods Systematic Review Protocol. *Asian Journal of Research in Nursing and Health*, 2(1): 1-14.
- Wombeogo, M., Azongo, B. R. & **Abugre, D.** (2018). The Perspective of Integrating Comprehensive Physical Assessment into Nursing Practice in Ghana. *IOSR Journal of Nursing and Health Science (IOSR-JNHS)*, 7(1): 65-74.
- Wombeogo, M. & **Abugre, D.** (2018). The Essence of Complementary Pain Relief Methods in Modern Nursing in Ghana: The Concerns of Patients and Nurses. *International Journal of Research*, 5(1): 674-691.

Aarah-Bapuah, M.

- Konlan, K. D., Kombat, J. M., **Aarah-Bapuah, M.** & Wuffele, G. M. (2018). The Use of Sulphadoxine Pyrimethamine as a Malaria Prophylaxis for Pregnant Women in the Volta Regional Hospital. *International Journal of Medical and Health Sciences*, 7(4): 182-188.

Fuseini, A. G.

- **Fuseini, A-G.**, Afizu, A., Yakubu, H.Y., & Nachinab, G. (2019). Facilitators to the Abuse of Tramadol among the Youth: A Qualitative Study in Northern Ghana. *Nursing Open Journal*. DOI: <https://doi.org/10.1002/nop2.353>. Retrievable from: <https://onlinelibrary.wiley.com/doi/10.1002/nop2.353>
- **Fuseini, A-G**, Aniteye P. & Alhassan A. (2019). Beyond the Diagnosis: Lived Experiences of Persons with Spinal Cord Injury in a Selected Town in Ghana. *Neurology Research International*. DOI: 10.1155/2019/9695740. Retrievable from: <https://www.ncbi.nlm.nih.gov/pubmed/?term=Beyond+the+Diagnosis%3A+Lived+Experiences+of+Persons+with+Spinal+Cord+Injury+in+a+Selected+Town+in+Ghana>
- Alhassan, A., **Fuseini, A-G.** & Musah, A. (2019). Knowledge of the Glasgow Coma Scale among Nurses in a Tertiary Hospital in Ghana. *Nursing Research and Practice*. Retrievable from: <https://doi.org/10.1155/2019/5829028>
- Alhassan, A. **Fuseini, A-G.**, Osman, W. & Adam, A. B. (2019). Knowledge and Experience of Neonatal Resuscitation among Midwives in Tamale. *Nursing Research and Practice*. doi.org/10.1155/2019/3652608.
- Alhassan, A., Kumi-Kyereme, A., **Wombeogo, M.**, & Fuseini, A. G. (2019). Nurse Participation in Political Activities: Level and Practices of Registered Nurses in Tamale, Ghana. *OJIN: The Online Journal of Issues in Nursing*, 24(2).

- **Fuseini, A-G.**, Aniteye, P. & Helegbe, K. G. (2018). Barriers and Facilitators Related to the Healthcare System in Spinal Cord Injury. *Nursing Practice Today Journal*, 5(3):335-346.
- **Fuseini, A-G.**, Yakubu, H. Y & Lawali, Y. (2018). Psychological Adjustment Strategies among Persons with Spinal Cord Injury at the Tamale Metropolis, Ghana. *Asian Journal of Research and Reports in Neurology*, 1(1): 1-11.

DEPARTMENT OF PUBLIC HEALTH

Staff

Name	Qualification	Rank/Position
Abubakari, A.	B.Sc. (UDS, Tamale, Gh), M.Sc. (Ghent, Belgium), Ph.D. (Heidelberg, Germany)	Senior Lecturer/ HoD
Wombeogo, M.	B.A. (Ghana), Dip.APM (Executive Education, South Africa), Pg.(AD), IPN (PXL, Belgium), Pg.C. HIV/AIDS CC, M.A., D.Lit. Et Phil. (UNISA, South Africa), FWACN (Nigeria), FGCNM (Ghana)	Senior Lecturer
Azongo, T. B.	B.A., MPH, Ph.D. (Ghana)	Senior Lecturer
Adokiya, M. N.	B.Sc. (UDS, Tamale, Gh), MPH. (KNUST, Kumasi, Gh), Ph.D. (Heidelberg, Germany), Postdoc (UMICH, Ann Arbor, USA)	Senior Lecturer
Boakye-Yiadom, A.	B.Sc., M.Sc. (KNUST, Kumasi, Gh)	Lecturer
Issah, H.	B.A. (Ghana), M.A./M.Sc. (Linkoping, Sweden), MPH (Lund, Sweden), Europublichealth (Sheffield, UK & Copenhagen, Denmark)	Lecturer
Aninanya, G. A.	B.A. (UDS, Tamale, Gh), PgD, MPH (London SHTM, UK), Ph.D. (KNUST, Kumasi, Gh)	Lecturer
Muktar, A. M.	Cert. (Hunan, Changsha, China), B.Sc. (UDS, Tamale, Gh), M.Phil. (UDS, Tamale, Gh)	Assistant Lecturer

Publications

Abubakari, A.

- **Abubakari, A.**, Taabia, F. Z., & Ali, Z. (2019). Maternal Determinants of Low Birth Weight and Neonatal Asphyxia in the Upper West Region of Ghana. *Midwifery*, 73: 1-7.
- Agbozo, F., **Abubakari, A.**, & Jahn, A. (2019). Indication and Predictors for Caesarean Sections in Ghana and the Birth Outcomes. *European Journal of Obstetrics and Gynecology and Reproductive Biology*, 234: e5.
- Agbozo, F., **Abubakari, A.** & Jahn, A. (2018). Maternal Morbidities in Ghana: Risk Factors and Effect on Newborn Health Outcomes. *International Journal of Gynecology & Obstetrics*, Volume 143, Supplement 3, p190. ISSN 0020-7292

- Agbozo, F., Atitto, P., Jahn, A., & **Abubakari, A.** (2018). Nutrient Composition and Dietary Diversity of On-site Lunch Meals, and Anthropometry of Beneficiary Children in Private and Public Primary Schools in Ghana. *Nutrition and Health*, 24(4): 241-249.

Wombeogo, M.

- Alhassan, A., Kumi-Kyereme, A., **Wombeogo, M.**, & Fuseini, A. G. (2019). Nurse Participation in Political Activities: Level and Practices of Registered Nurses in Tamale, Ghana. *OJIN: The Online Journal of Issues in Nursing*, 24(2).
- Kanligi, D., **Wombeogo M.**, Mensah-Obeng, G & Baidoo, R. (2018). Social Marketing and Non-Communicable Diseases Prevention and Risk Behaviour Reduction among the Youth of Tamale. *Nursing and Healthcare International Journal*, 2(5).
- **Wombeogo, M.** & Abugre, D. (2018). The Essence of Complementary Pain Relief Methods in Modern Nursing in Ghana: The Concerns of Patients and Nurses. *International Journal of Research*, 5(1): 674-691.
- Balaara J. D & **Wombeogo, M.** (2018). Mothers’ Awareness and Level of Knowledge on Skilled Delivery and its Utilization in Yendi Municipality, Ghana. *International Journal of Innovative Research and Development*, 7(11): 141-148.
- Avoka, J. A., Adanu, R. M., **Wombeogo, M.**, Seidu, I. & Dun-Dery, E. J. (2018). Maternal and Neonatal Characteristics that influence Very Early Neonatal Mortality in the Eastern Regional Hospital of Ghana, Koforidua: A Retrospective Review. *BMC Research Notes*, 11(91):1-5
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Azongo, T. B.

- Wombeogo, M., **Azongo, T. B.** & Abugre, D. (2018). The Perspective of Nurses and other Health Workers on the Integration of Comprehensive Physical Assessment into Nursing Practice in Ghana. *IOSR Journal of Nursing and Health Science (IOSR-JNHS)*, 7(1): 65-74.

Adokiya, M. N.

- **Adokiya, M. N.**, Aryeetey, R., Yost, M., Jones, A. D. & Wilson, M. L. (2019). Determinants of Anemia among Pregnant Women in Northern Ghana. *BioRxiv*, 708784. <https://doi.org/10.1101/708784>
- **Adokiya, M.N.**, Langu, A. T. K. & Ali, Z. (2019): Factors Associated with Hemoglobin Level of Children 6-23 months of Age in Wa Municipality of Ghana. *Research Square*, <https://doi.org/10.21203/rs.2.13114/v1>

Issah, H.

- Yakubu, Y. H., Mahama, A. S. D., Abu, N. A. & **Issah, H.** (2019). Assessing Experience and Perception of Patients about OPD Services. *Advances in Bioscience and Clinical Medicine*, 7(1): 19-26.
- Amidu, N., Alhassan, M., **Issah, H.**, Yakong, V. N., Yahaya, W., Yussif, A. & Dapare, P. P. M. (2018). Perceived Stress and Anxiety in Women during Labour: A Case of Tamale West Hospital, Tamale, Ghana. *Asian Journal of Medicine and Health*, 11 (2): 1-10.
- Amidu, N., **Issah, H.**, Alhassan, M., Yakong, V. N., Yahaya, W., Dapare, P. P. M., & Yussif, A. (2018). Stress, Anxiety and Sleep Disorder among Nurses: A Cross-Sectional Study of Rotation vs Fixed Shift Workers. *International Neuropsychiatric Disease Journal*, 11(1): 1-12.

Aninanya, G. A.

- Aninanya, G. A., Howard, N. & Otupiri, E. (2019) 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 Northern Ghana. *Transactions of the Royal Society of Tropical Medicine & Hygiene*.

Muktar, A. M.

- Muktar, A. M. et al (2019). “Pregnancy Outdoor”, A Cultural Factor influencing Antenatal Care Service Utilization in the Kumbungu District of Ghana: A Descriptive Study. *Perspectives in Public Health*, RSH-18-0009.

DEPARTMENT OF BEHAVIOURAL SCIENCES**Staff**

Name	Qualification	Rank/Position
Aryee, P. A.	B.Sc., M.Phil. (Ghana), M.Med.Sc. (Sheffield, UK), Ph.D. (Southampton, UK)	Senior Lecturer/HoD
Alhassan, M.	HND. (TaTU, Tamale, Gh), B.A., M.Phil. (Ghana), D.PH (Duesseldorf, Germany)	Lecturer/SAHS Examination Officer
*Adam, Y. H.	BSc. (Ghana), M.Phil. (Oslo, Norway)	Lecturer
Glover, K. E.	PGD (Exeter, UK), PGD (Boston, USA), B.A., M.Phil (Ghana), Ph.D. (Bayreuth, Germany)	Lecturer (Post Retirement)
Abukari, S.	PGD (Ghana), B.Ed. (UCC, Cape Coast, Gh), M.A. (Ghana), MPH (KNUST, Kumasi, Gh)	Lecturer/Departmental Examinations Officer
Hushie, M.	B.A., Dip.Ed. (UCC, Cape Coast, Gh) M.Phil. (Ghana), Ph.D. (Keele, UK)	Lecturer
Abasimi, E.	B.A., M.Phil., Ph.D. (Ghana), Ph.D. (Nenu, China)	Lecturer/Departmental QA Officer

*On Study leave

Publications**Aryee, P. A.**

- Anabire, N. G., Tetteh, W. J., Obiri-Yaboah, D., Annan, I., Luuse, A. T., **Aryee, P. A.**, ... & Eliason, S. (2019). Evaluation of Hepatic and Kidney Dysfunction among Newly Diagnosed HIV Patients with Viral Hepatitis Infection in Cape Coast, Ghana. *BMC Research Notes*, 12(1), 466.
- Anabire, N. G., **Aryee, P. A.**, Abdul-Karim, A., Quaye, O., Awandare, G. A., & Helegbe, G. K. (2019). Impact of Malaria and Hepatitis B Co-infection on Clinical and Cytokine Profiles among Pregnant Women. *PloS one*, 14(4): e0215550.
- Anabire, N. G., **Aryee, P. A.**, Abdul-Karim, A., Abdulai, I. B., Quaye, O., Awandare, G. A., & Helegbe, G. K. (2019). Prevalence of Malaria and Hepatitis B among Pregnant Women in Northern Ghana: Comparing RDTs with PCR. *PloS one*, 14(2): e0210365.
- Aryee, P. A.**, Helegbe, G. K., Agordoh, P. D., Mohammed, A. J., Muntala, J., Koblaji, F. A., & Kumoji, H. N. (2019). Exploring Consumer Knowledge, Understanding and Use of Food and Nutrition Label Information in the Tamale Metropolis of Ghana. *African Journal of Food, Agriculture, Nutrition and Development*, 19(2): 14415-14431.
- Yelkumo, N. Y., Suara, S. B., Boakye-Yiadom, A., & **Aryee, P. A.** (2019). Socio-Economic Determinants of Birth and Emergency Preparedness in Antenatal Care: A Study among Mothers in the Wa Municipality. *UDS International Journal of Development*, 6(1): 10-22.

- Aladago, D. A., Boakye-Yiadom, A., Asaarik, M. J., & Aryee, P. A. (2019). The Consequences of Abortion Restrictions for Adolescents’ Healthcare in Ghana: The Influence of Ghana’s Abortion Law on Access to Safe Abortion Services. *UDS International Journal of Development*, 6(1): 1-9.

Alhassan, M.

- **Alhassan, M.** (2019). Nursing and Midwifery Students’ Communication Skills Training: A Systematic Review. *Journal of Advances in Medicine and Medical Research*, 30(2): 1-10. <https://doi.org/10.9734/JAMMR/2019/v30i230167>.
- **Alhassan, M.** (2019). Effect of Social Skills Training on Juveniles’ Psychological Problems in a Detention Center in Ghana. *Journal of Education, Society and Behavioural Science*, 31(2): 1-7. <https://doi.org/10.9734/JESBS/2019/v31i230143>.
- **Alhassan, M.** (2019). The Effect of a 2-day Communication Skills Training on Nursing and Midwifery Students’ Empathy: A Randomised Controlled Trial. *BMJ Open*, 9: e023666. <http://dx.doi.org/10.1136/bmjopen-2018-023666>
- **Alhassan, M.** (2019). Outcome of Communicative Competence in a 2-day Communication Skills Training for Nursing and Midwifery Students - A Randomized Controlled Trial. *Journal of Advances in Medicine and Medical Research*, 28: 1–13. <https://doi.org/10.9734/JAMMR/2018/46835>
- **Alhassan, M.** (2018). Communication between Patients and Nurses, Midwives and Doctors Using Focus Group Discussions. *Adv Res*, 17: 1–8. <https://doi.org/10.9734/AIR/2018/44704>
- Amidu, N., **Alhassan, M.**, Issah, H., Yakong, V. N., Yahaya, W., Yussif, A. & Dapare, P. P. M. (2018). Perceived Stress and Anxiety in Women during Labour: A Case of Tamale West Hospital, Tamale, Ghana. *Asian Journal of Medicine and Health*, 11 (2): 1-10.
- Amidu, N., Issah, H., **Alhassan, M.**, Yakong, V. N., Yahaya, W., Dapare, P. P. M., & Yussif, A. (2018). Stress, Anxiety and Sleep Disorder among Nurses: A Cross-Sectional Study of Rotation vs Fixed Shift Workers. *International Neuropsychiatric Disease Journal*, 11(1): 1-12.

Hushie, M.

- **Hushie, M.** (2019). Developing Governance Models and Funding Mechanisms of State–Civil Society Partnerships for HIV/ AIDS Treatment and Prevention Based on Lessons from Ghana. *African Journal of AIDS Research*, 18(2): 138-147.
- **Hushie, M.** (2019). Exploring the Barriers and Facilitators of Dietary Self-care for Type 2 Diabetes: A Qualitative Study in Ghana. *Health Promot Perspect*, 9(3): 223-232.

DEPARTMENT OF PAEDIATRIC NURSING**Staff**

Name	Qualification	Rank/ Position
<i>Adokiya, M. N.</i>	<i>B.Sc. (UDS, Tamale, Gh), MPH. (KNUST, Kumasi, Gh), Ph.D. (Heidelberg, Germany), Postdoc (UMICH, Ann Arbor, USA)</i>	<i>Senior Lecturer/ HoD</i>
<i>Kombat, J. M.</i>	<i>SRN (NTC, Bawku, Gh), B.Sc. (KNUST, Kumasi, Gh), MPH (KNUST, Kumasi, Gh)</i>	<i>Lecturer</i>
<i>Afoko, V.</i>	<i>SRN (NTC, Kumasi, Gh), B.A., M.Sc. (Ghana)</i>	<i>Lecturer</i>
<i>Nukpezah, R. N.</i>	<i>Dip (NTC, Tamale, Gh), B.Sc. (UDS, Tamale, Gh), MPH (Maastricht, Netherlands),</i>	<i>Lecturer</i>

Publications**Adokiya, M. N.**

- **Adokiya, M. N.,** Aryeetey, R., Yost, M., Jones, A. D. & Wilson, M. L. (2019). Determinants of Anemia among Pregnant Women in Northern Ghana. *BioRxiv*, 708784. <https://doi.org/10.1101/708784>
- **Adokiya, M.N.,** Langu, A. T. K. & Ali, Z. (2019): Factors Associated with Hemoglobin Level of Children 6-23 months of Age in Wa Municipality of Ghana. *Research Square*, <https://doi.org/10.21203/rs.2.13114/v1>

Nukpezah, R. N.

- **Nukpezah, R. N.,** Nuvor, S. V. & Ninnoni, J. (2018). Knowledge and Practice of Exclusive Breastfeeding among Mothers in the Tamale Metropolis of Ghana. *Journal of Reproductive health*, 15(1): 140.

FACULTY OF EDUCATION

Introduction

The Faculty of Education (FoE) offers programmes which are purposefully designed to respond to ongoing teaching and learning, research and dissemination. The programmes are also expected to address the administration and management challenges in education, educational quality and national development needs. The Faculty does this in collaboration with relevant Departments and Faculties on the various campuses of the University. The Arts, Humanities and Social Science based programmes are located at the Wa Campus, Mathematics and Applied Sciences programmes in Navrongo, Agricultural-based programmes in Nyankpala and Health-based programmes at the Tamale Campus. The programmes are targeted at the formal (Teacher Education Studies) and non-formal (Development Education Studies) systems of education at the Diploma, Undergraduate and Postgraduate levels. The programmes are in the areas of Teacher Education (i.e. Early Childhood, Basic and Secondary), Development Education and Foundations Education.

The Faculty of Education has seven (7) Departments as follows:

Department of Development Education Studies (Tamale Campus)
 Department of Educational Foundations Studies (Tamale Campus)
 Department of Basic Education Studies (Tamale Campus)
 Department of Health Science Education (Tamale Campus)
 Department of Mathematics and Science Education (Navrongo Campus)
 Department of Social and Business Education (Wa Campus)
 Department of Agricultural and Consumer Sciences Education (Nyankpala Campus)

The Faculty also has Units on all the Campuses. They are:

Professional Education Practice Unit,
 Research and Projects Unit, and
 Third Trimester Field Practical Programme (TTFPP)

Office of the Dean

Staff

Name	Qualification	Rank/ Position
Achanso, A. S.	B. A. (Ghana), PhD. (Lincoln, USA)	Snr Lecturer/ Dean
Donkor, A. K.	B.A. (Ghana) M.ED., Ph.D. (N. Kentucky, USA)	Asso. Prof. /Vice Dean
Thompson, J. D.	Dip. Ed. B.A, M.Phil. (UCC. Cape Coast, Gh)	Snr. Asst. Registrar/ Faculty Officer
Mensah, M. A.	Dip.Ed. B.Ed. (UEW. Winneba, Gh), M.Phil. (UCC. Cape Coast, Gh)	Asst. Registrar

(Study leave)

Summary of Students’ Enrolment-2018/2019

Programme	Male	Female	Total
Basic Education Studies			
Undergraduate	1,915	555	2,470
Postgraduate	07	04	11
Development Education Studies			
Undergraduate	823	572	1,395
Postgraduate	23	08	31
Educational Foundations Studies			
Undergraduate	-	-	-
Postgraduate	47	18	65
TOTAL	2,815	1,157	3,972

Publications**Thompson, J. D.**

1. **John Dadzie Thompson**, Gilbert Ansoglenang and Suuk Laar (2019). Why Do Students Engage in Exams Malpractice? The University of Development Studies Experience. *International Research in Education*. Vol. 7, No. 2, pp. 87-105
2. **John Dadzie Thompson**, Gilbert Ansoglenang and Eleanor Araba Antwi (2019). The Impact and Challenges of Extracurricular Activities on Students’ in Public Universities of Ghana: The University for Development Studies Debate Society Experience. *Research Journal of Educational Studies and Review*. Vol. 5 (2), pp. 12-21.
3. **John Dadzie Thompson**, Gilbert Ansoglenang and Eleanor Araba Antwi (2019). Influence of Examination Rules and Regulations on Students’ and How to Reduce Examination Malpractice in the University for Development Studies. *Research Journal of Educational Studies and Review*. Vol. 5 (2), pp. 22-31.
4. Ansoglenang G., **Thompson JD**, Awugah SA (2019). Mapping out the Theories of Motivation: Lessons for Administrators in Public Institutions. *Arts Social Sc J*.
5. **John Dadzie Thompson** and Gilbert Ansoglenang (2018). Students’ Disputes, Consequences and Solutions: A Case Study of the University for Development Studies. *Journal of Contemporary Integrative Ideas Volume 4(1)*, p.76-92.
6. **John Dadzie Thompson** and Gilbert Ansoglenang (2018). Student Representative Council Election Disputes and the Way Forward in Universities: A Case of the University for Development Studies. *Journal of Contemporary Integrative Ideas Volume 5(2)*, p. 93-112.
7. **John Dadzie Thompson** and Gilbert Ansoglenang (2018). The Relevance of the Audit Committee in Public Universities of Ghana: The Case of the University for Development Studies. *Pearl Journal of Management, Social Science and Humanities*. Vol. 4 (1), pp. 1-12.

8. **John Dadzie Thompson**, Gilbert Ansoglenang and Suuk Laar (2018). The Economic Effects and Awareness of Health Implications of Mobile Phone Usage among students of the University for Development Studies. *Research Journal of Educational Studies and Review*. Vol. 4 (3), pp. 38-48.
9. Gilbert Ansoglenang, Samuel A. Awugah and **John Dadzie Thompson** (2018). Conceptual Tools for Building Higher Educational Institutions Corporate Image and Reputation. *American Journal of Educational Research and Reviews*, 2018, 3-28.
10. **John Dadzie Thompson**, Gilbert Ansoglenang and Samuel A. Awugah (2018). Students Perception about the Educational and other Effects of Mobile Phone Usage in the University for Development Studies. *Global Educational Research Journal* Vol. 6(6):pp. 757-767.

DEPARTMENT OF DEVELOPMENT EDUCATION STUDIES (DoDES)

Staff

Name	Qualification	Rank/Position
Apusigah, A. A.	Dip. Ed., (Winneba, WEW, Gh), B.Ed./Dip. Econs. (UCC. Cape Coast, Gh), M.ED. (LU), Ph.D. (Kingston, Canada)	Prof. / (Sabbatical Leave)
Achanso, A. S.	B. A. (Ghana), Ph.D. (Lincoln, USA)	Snr. Lecturer/Dean, FoE
Fiadzawoo, J. K.	B. Ed. MPhil. Ph.D (UCC. Cape Coast, Gh)	Lecturer, Ag. HoD, DoDES
Osei-Bonsu, M. B. A.	M. A., Ph.D. (KNUST. Kumasi, Gh)	Lecturer
Anab, C.	B.A. M.Ed. (UCC. Cape Coast. Gh), MSc (London, UK), Ph.D. (UDS. Tamale, Gh)	Lecturer
Suaka, Y. D.	B.A., MPhil (Walter Sisulu), Ph.D. (Kwazulu Natal, S.A)	Lecturer
Abaamah, D. A.	B. A. (UDS. Tamale, Gh), MPhil (UCC. Cape Coast, Gh)	Lecturer
*Mohammed, A. R.	B. A. (Ghana), M.Sc. (London, UK)	Assistant Lecturer
*Kwoyiga, L.	B. A. (UDS. Tamale, Gh), M.Sc. (AAs), MPhil (Oslo)	Lecturer
Ahenkora. J. K	B.A., M.Phil. (UDS. Tamale, Gh)	Lecturer

Programmes

Undergraduate Programmes

- Bachelor of Arts (BA), Development Education Studies (Four-Year, Full Time)
- Diploma in Development Education Studies (Two-Year, Full Time)

Postgraduate Programmes - Sandwich

- Master of Arts/Master of Philosophy (M.A/M.Phil.), Development Education Studies

Publications:

Apusigah, A. A

Books/Articles

1. **Apusigah, A. A.** and Bamora, F. N. (2019). Women and Community Development in Rural Africa. In Olajumoke Yacob-Haliso and S. Toyin (eds). *Palgrave Handbook on Women’s Studies in Africa*. Springer/Palgrave.
2. Dery, I; D. Y. Fiaveh & A. A. **Apusigah** (2019). “You Cannot Be Like That Here:” Discourses on Sexual Identities among urban Ghanaian Families. *Gender Issues*, Springer (March). <https://doi.org/10.1007/s12147-019-09230-6>
3. **Apusigah, A. A.** (2018). Rethinking northern Ghana’s development in the Context of the Fourth Republic. Bolaji, M. H. A. & **Apusigah, A. A.** (eds.). *Critical Notes on Northern Ghana*. (229-250). Hauppauge, NY: Nova Science Publishers
4. Adatuu, R. & **Apusigah, A. A.** (2018). Gender, Political Participation and Local Governance in the Builsa District of Ghana. *UDS International Journal of Development*, Vol.5 (1): 181-196.

Conferences Presentations

1. Agnes Atia Apusigah (2018). NGOs in Public Policy in Ghana: Currents and Futures. *Colloque International: L’Avenir des Organisations Non-Gouvernementales en Afrique de l’Ouest: Critiques, Initiatives et Innovations*. ISSP, Université Ouagadougou. Schwachediskurse und Ressourcenregime/Goethe Universität/DFG/INSS-CNRST. Ouagadougou, Burkina Faso. 8th and 9th November.
2. Agnes Atia Apusigah (2018). Promoting Women’s Leadership for Economic Empowerment and Food Security: The EMPOWER Ghana Experience. *Annual CASID Conference*, University of Regina, Regina, Saskatchewan, Canada. 29th May– 1st June
3. Agnes Atia Apusigah (2018). Doctoral Education in West Africa: An Overview. *Faculty Research Seminar*, Oxford University, Oxford, United Kingdom. 10th May
4. Agnes Atia Apusigah (2018). Curriculum Development and Graduate Unemployment in Ghana. *Annual Harmattan School*. IIRaCS-UDS, Tamale, Ghana 7-8th Feb.

Achanso, A. S.

Fiadzawoo, J. K., **Achanso, A. S.** & Okyere, R. B. (2018). Reading in the Digital Age; An Overview of the Habits of Students of the Faculty of Education, UDS, Tamale. *Journal of Educational Review (JER)*, Vol. 10, (2) 87-102.

Olaewe, O., Akinsono, S. O. and **Achanso, S. A.** (2019). Electronic Library and Other Internet Resources in Universities as Allied Forces in Global Research Work and Intellectual Emancipation. *Journal of Emerging Trends in Educational Research and Policy Studies (JETERAPS)* 10 (1) 41-46.

Fiadzawoo, J. K

Fiadzawoo, J. K., Agoke, W., & Pufaa, E. F. (2018). Mentoring Student Teachers at the Faculty of Education, Tamale: the Quandaries of Mentors at the Schools of Practice. *Journal of Sociology and Education in Africa (JOSEA)*, Vol. 15, (2).106-125

Fiadzawoo, J. K., Achanso, A. S. & Okyere, R. B. (2018). Reading in the Digital Age; An Overview of the Habits of Students of the Faculty of Education, UDS, Tamale. *Journal of Educational Review (JER)*, Vol. 10, (2) 87-102.

Yaro, D. S.

Yaro, D. S. 2019. *Developing Alternatives: Citizens Perspectives on Liberian Civil War.* ADRRI Journal of Arts and Social Sciences, Ghana: Vol. 16, No.10 (4), Pp.1-24, E-ISSN: 2343-6891, 30th June, 2019.]

Yaro Suaka, D., 2019. *What Next the Traditional Approaches to Conflict Transformation: The Case of the Bunkpurugu Family Conflict in the Northern Region.* Africa Development and Resources Research Institute Journal, Ghana: Vol. 28, No. 3 (5), Pp. 18-42, E-ISSN: 2343-6662, 28th February, 2019

Yaro Suaka, D., and Tobias, T. 2019. *Exploring the State of Human Insecurity in Nigeria: The Root Causes of The Farmers-Herdsmen Conflict in Benue State and Its Manifestation on The Livelihood of Rural Farmers and Pastoralists.* ADRRI Journal of Arts and Social Sciences, Ghana: Vol. 16, No.5 (4), Pp.60-98, E-ISSN: 2343-6891, 28th February, 2019

Suaka Y., and Emilia G., 2018. *State Motivated Conflicts in the ECOWAS Region, Ivory Coast and Liberia:* International Journal of Educational Planning and Administration, Vol. 3, No. 4. Ondo State: NIEPA Printing Press.

Suaka Y., Tobias T., and Daniel K., 2018. *Exploring African Indigenous Conflict Resolution Mechanisms for Effective Conflict Resolution in Africa: The case study of Bimobas and Konkombas:* publication in Journal of Sociology and Education in Africa (JOSEA), Vol. 15, NO 2 December, 2018. Published by Higher Education Research and Policy Network Kampala International University Uganda. This journal is Indexed and abstracted by: EBSCO host and Journal Copenicus.

DEPARTMENT OF HEALTH SCIENCE EDUCATION (DoHSE)**Staff**

Name	Qualification	Rank/Position
Adokiya, M. N.	B.Sc. (UDS. Tamale, Gh.), MPH (KNUST, Kumasi, Gh), Ph.D. (Heidelberg, Germany), Postdoc (UMICH, Ann Arbor, USA)	Senior Lecturer/ HoD
Iddrisu, S. A.	B.Ed. (UEW. Winneba, Gh), M.Phil. (UCC. Cape Coast, Gh)	Lecturer

Publications

1. **Adokiya, M.N.**, Aryeetey R., Yost, M., Jones, A.D., Wilson, M.L. (2019): Determinants of anemia among pregnant women in northern Ghana. *BioRxiv*, 708784. <https://doi.org/10.1101/708784>
2. **Adokiya, M.N.**, Langu, A.T.K., Ali, Z., (2019): Factors associated with hemoglobin level of children 6-23 months of age in Wa Municipality of Ghana. Research Square.

DEPARTMENT OF SCIENCE AND MATHEMATICS EDUCATION (DoSME)

Staff

Name	Qualification	Rank/Position
Abukari M. A.	Dip. Ed. Sc., B. Ed. Sc. (UEW. Winneba, Gh.), M. Ed. Sc., Ph. D. (Okayama, Japan)	Ag. HoD/Lecturer/ Counsellor,
Bornaa, C. S	B. Ed, MPhil. (UCC. Cape Coast, Gh), Ph. D (UDS. Tamale, Gh)	Lecturer/Coor. RaPU
Olaewe, O. O	B.sc, M.Ed (Ilorin, Nigeria), Ph.D (Ibadan, Nigeria)	Senior Lecturer/ QA Officer
Samari, J. A.	B.Ed., MPhil. (UEW. Winneba, Gh)	Lecturer/Exams Officer
*Alagbela, A. A.	B. Ed. MPhil. (UCC. Cape Coast, Gh)	Lecturer

Programme(s)

- Bachelor of Education in Mathematics (four year, full time).
- Bachelor of Education in Science (four year, full time)

Journal Articles Published

Abukari, M. A

1. Bayuo J., Pelig-Ba, K. B. and **Abukari, M. A.**, (November 2018), Isotherm Modeling of Lead (II) Adsorption from Aqueous Solution using Groundnut Shells as a low cost Adsorbent, *Journal of Applied Chemistry*, Volume 11, Issue11 Ver.1, 18-23
2. Bayuo, J., **Abukari, M. A.** and Pelig-Ba, K. B., (November 2018), Isotherm Equilibrium isotherm studies for the sorption of hexavalent Chromium (VI) onto groundnut shell, *Journal of Applied Chemistry*, Volume 11, Issue11 Ver.1, 40 -41
3. **Abukari, M. A.**, Bayuo, J., and Pelig-Ba, K. B., (March 2019) Optimization of Adsorption Parameters for Effective Removal of Lead (II) from Aqueous Solution, *Physical Chemistry, An Indian Journal*, Vol. 14, Issue 1, 1-25
4. **Abukari, M. A.** and Kita M. (2018), Chlorination of Water to Disinfect Microbes Using ‘Rice Paper’, *Journal of Ghana Science Association*
5. Abukari, M. A., Kita M. (2018), Application of Optical Activity in Biodegradation of A Synthesised Poly (L-Lactic Acid), *Journal of Ghana Science Association*.

6. Olalere, O. O. & **Abukari, M. A.**, (February 2019), The Indispensability of Information and Communication Technology (ICT) Components as Panacea in Checking Bank Crimes and Improving Customers Service Delivery in Ghana, *Journal of Emerging Trends in Education Research and Policies Studies (JETRAPs)* Vol 10, No 1.

Interest Areas

1. Curriculum Studies in Science Education,
2. Pedagogical Studies in Science Education,
3. Methodologies in Teaching and Learning in Science Education,
4. Utilisation of Natural/Synthesised Products in a Clean Environment

Olaewe O. O

1. **Olaewe O. O.**, Akinoso S. O. and Achanso A. S. (2019). Electronic Library and Other Internet Resources In Universities as Allied Forces In Global Research Work and Intellectual Emancipation. *Journal of Emerging Trends in Education Research and Policies Studies (JETRAPs)* Vol 10, No 1.
2. **Olaewe O. O.** and Abukari, M. A. (2019). The Indispensability of Information and Communication Technology (ICT) Components as Panacea in Checking Bank Crimes and Improving Customers Service Delivery in Ghana. *Journal of Emerging Trends in Education Research and Policies Studies (JETRAPs)* Vol 10, No 1.
3. **Olaewe O. O.** (2019). Proficiency in Mathematics as a Predictor of Academic Achievement in Statistics among Undergraduate Students University for Development Studies in Ghana. *West Africa Journal of Physical Education. University of Ibadan, Ibadan Nigeria. Vol 3 No 1.*
4. **Olaewe O. O.**, Gunu I. M. and Bagna R.W. (2019). The Place of Social Media And its Component in Global Socio-Economic and Educational Agenda: The case of Tertiary Institutions in Northern Ghana. *Journal of Research and Design in Technical, Vocation Education and Training IJORAD – TVET* Vol 3 No 2.
5. **Olaewe O. O.**, Achanso A. S. and Akinwande E.A (2019). Assessment of Social Studies Teacher’s Perception and Attitude to Multi-Cultural Education in Osun State Secondary School. *.Multidisciplinary Journal of Art and Language Education. Ekiti State University Ado-Ekiti, Nigeria. Vol 2 No 1.*

DEPARTMENT OF EDUCATIONAL FOUNDATIONS STUDIES**Staff**

Name	Qualification	Rank/Position
<i>Issaka, C. A.</i>	<i>B.Ed., M.Phil., Ph.D (UEW Winneba, Gh)</i>	<i>Lecturer/Ag. HoD</i>
<i>Asante, T.</i>	<i>B.A., (UCC. Cape Coast, Gh), M.A., MS., Ph.D. (Scranton)</i>	<i>Lecturer/Coordinator, Guidance and Counselling Unit</i>
<i>Mohammed, I.</i>	<i>B.Ed., M.Phil., Ph.D. (Mthatha)</i>	<i>Lecturer/Educational Extension Service Unit</i>
<i>Ibrahim, M. G.</i>	<i>B.Ed., (UCC. Cape Coast, Gh), M.A. (Ghana), Ph.D. (Keele)</i>	<i>Lecturer/Coordinator, Graduate Programme Office</i>
<i>Quansah, J. Y. D.</i>	<i>B. Ed., M.Phil, (UCC. Cape Coast, Gh)</i>	<i>Senior Lecturer/ Coordinator, Professional Education Practice Unit</i>
<i>Kere, O. D</i>	<i>Cert. Ed. Dip., B. Ed. (UK), M. Ed. M.Phil. (UCC. Cape Coast, Gh)</i>	<i>Lecturer</i>
<i>Mahama, A.</i>	<i>B.Ed., M.Phil (UDS. Tamale, Gh)</i>	<i>Assistant Lecturer</i>

Programmes

- i. M.Ed. Training and Development
- ii. Post-Graduate Diploma in Education

Student s’ Enrollment for 2018/2019 Academic year (M.E.d)

Year	Male	Female	Total
Level 500	7	9	16
Level 600	16	08	24
Total	23	17	40

Post-Graduate Diploma in Education 2018/2019

Year	Male	Female	Total
Level 600	10	08	18
Level 500	13	12	25
Total	23	20	43

Publications:**Issaka, C. A.**

1. **Issaka, C. A.** (2019). Sexual behaviours, experiences and how the Hearing Impaired Guard against HIV/AIDS. *International Journal of Humanities Social Sciences and Education (IJHSSE)*, Vol. 6(1) PP 18-31.
2. **Issaka, C. A.** (2018). Gender perspective of HIV/AIDS knowledge and sexual behaviour of adolescents with hearing impairment in selected special schools in Ghana. *Advances in Social Sciences Researches Journal*, Vol. 5(12) 79-89.

3. **Issaka, C. A.** (2018). Effects and Snags of provision of in-service education and training for teachers in basic schools for the deaf. *International Journal of Educational Administration and Policy Studies*. Vol.10 (10), pp. 128-134.
4. **Issaka, C. A.** (2018). An appraisal of needs and access of in-service education and training for teachers in basic schools for the deaf in Ghana. *Educational Research and Reviews*. Vol.13 (19), pp.664-673.
5. **Issaka, C. A.** and Nyatsikor, M.K.G. (2018). HIV and AIDS knowledge among adolescents with hearing impairment in some special schools in Ghana. *Gender and Behavior: The IFE Centre for Psychological Studies*; Vol. 16(1). Ile-Ife, Nigeria.

Mohammed, I.

- Ben, A. O., and Mohammed, I., (2018). *The Effectiveness of E-learning in Training and Development of Midwives in the Health Service*. Mauritius: LAP Lambert Academic Publishing.
- Mohammed, I., (2018). Factors Hampering the Professional Autonomy of Teachers: Case of Secondary School Teachers in the Elliotdale Circuit, South Africa. *Journal of Educational Review*, 10 (1):77-84.
- Mohammed, I., and Yirbekyaa, E. K., (2018). First Year Students’ Lived Experiences of the Third Trimester Field Practical Programme at Selected Communities in the Upper West Region of Ghana. *African Educational Research Journal*, 6(3): 130-136.
- Nusrat- Jahan, A., Gurmail, S., and Mohammed, I. (2018). Development of Total Quality Management Framework for Higher Education Institutions in Ghana - A Case Study of Three Public Universities. *Asian Journal of Management*, 9(1):1-10.
- Mohammed, I., and Amponsah, O. (2018). Predominant Factors Contributing to Low Reading Abilities of Pupils at Elsie Lund Basic School in the Tamale Metropolis, Ghana. *African Educational Research Journal*, 6(4): 273-278.
- Mohammed, I. and Samuel, K.S. (2018). Factors Contributing to the Negative Attitudes towards the Study of Mathematics: the Case of Junior High School Female Students in the Tolon District of the Northern Region of Ghana. *Journal of Education Review*, 10 (2): 63-72

Asante, T.

- Asante, T., (2018). The problems, opportunities and challenges of teachers in rural Ghana: A case study of the successes and problems of teachers in the Sefwi District. *East African Journal of Educational Research and Policy*, 16(4): 1-34.
- Asante, T and Abdul-Wadud, D., (2018). Addressing the challenges of teacher absenteeism in rural communities for the provision of quality education in Ghana. *Journal of Educational Review*, 10(1): 34-48.

Asante, T and Gidisu, B.B., (2018). Using Androgogical training to reduce domestic electrical harzrds in Tamale, Northern Region of Ghana. *Journal of Sociology and Education in Africa*, 15(1):19-38.

Asante, T. and Apusigah, A.A., (2018). Prospects, challenges of Double Degree Maters Exchange Program between University for Development Studies, Ghana andUniversity of Dusseldorf, Germany. *Higher Education Partnership Trends and Policy Issues between African and European Higher Education Institutions*, 16(11):5-12.

Gunu, M. I.

1. Ibrahim, M. G. (2018). Alternatives to School Exclusion in Ghana: Changing the Rhythm of Dealing with Truancy in Ghanaian High Schools. *SAGE Open*, 8(4), p.2158244018805361.
2. Ibrahim, M. G. (2018). Teacher Professional Development Needs Identification for Positive Behaviour Management in Ghanaian Schools. *Journal of Education and Practice*, 9(35)76-87.
3. Ibrahim. M. G. (2019). Trajectories of Education Policy-Making in Ghana: Exploring the Journey to Depoliticisation Process. *Advances in Social Sciences Research Journal*, 6(2) 100-111.
4. Ibrahim, M. G. & Issifu, M. (2019). Assessing Effective Utilisation of Instructional Time by Secondary School Teachers in Northern Region, Ghana. *Research on Humanities and Social Sciences*, 9(2), 98-106.
5. Ibrahim, M. G. (2019). Exploring Alternative Disciplinary Measures in Ghanaian High Schools; unveiling the guidelines for positive behaviour management in policy and practice. *Journal of Emerging Trends in Educational Research and Policy Study*. 10(2), 133-139.
6. Zuberu, M. B, Ibrahim, M. G. & Alima, I.C. (2019). Choice of Learning Styles among Tertiary Students in Tamale Metropolis. *Universal Journal of Educational Research*, 7(6), 1347-1355.

Kere, O. D.

Kere, O. D. and Baba. F., (2017). The perception of Stakeholders’ on academic performance of Junior High School students: hard evidence from the Sagnarigu district of Northern Region. Ghana. *International Journal of Rural Development, Environment and Health Research*, 1(1):31-46.

DEPARTMENT OF BASIC EDUCATION STUDIES**Staff**

Name	Qualification	Rank/Position
Inkoom, A.E.	<i>B.Ed. (Nigeria) M.Phil. (UCC. Cape Coast, Gh), Ph.D. (Australia)</i>	Senior Lecturer / HoD
Mohammed, B. Z.	<i>B.Ed. M.Phil. (UCC.Cape Coast, Gh)</i>	Lecturer, Faculty TTFFP Coordinator
Ansah, E.	<i>B.Ed., M.Phil. (UEW. Winneba. Gh)</i>	Lecturer, Faculty Exam Officer
Yirbekya, E.	<i>B.Ed., M.Phil (UEW. Winneba.Gh)</i>	Lecturer
Yamoah, M.	<i>B.Ed.(UEW.Winneba,Gh) M.Phil (Oslo)</i>	Lecturer
Agbeke, W.	<i>B. Ed.M.Phil (UK)</i>	Snr. Lecturer (Contract)
Awudu, R.	<i>B.Ed., M.Phil (UCC. Cape Coast, Gh)</i>	Assistant Lecturer
Obeng, M.	<i>B.Ed., M.Phil (UEW.Winneba. Gh)</i>	Assistant Lecturer
Addo-Kissiedu, K	<i>B.Ed., M.Phil (UCC. Cape Coast .Gh))</i>	Assistant Lecturer
Asah-Akuffo, F.	<i>B.Ed., M.Phil (UEW. Winneba. Gh)</i>	Assistant Lecturer

Students’ Population

B.Ed. Basic Education			
Level	Male	Female	Total
100	22	40	62
200	43	45	88
300	36	31	67
400	72	41	113
Total	158	128	286
Diploma in Basic Education			
Level	Male	Female	Total
100	122	262	384
Total	122	262	384
B.Ed. Early Childhood Care and Education			
Level	Male	Female	Total
100	5	12	17
200	9	14	23
300	5	10	15
400	8	13	21
Total	27	49	76
Diploma in Early Childhood Care and Education			
Level	Male	Female	Total
100	30	72	102
Total	30	72	102

Sandwich Diploma in Basic Education			
Level	Male	Female	Total
200	16	7	23
300	14	9	23
Total	30	16	46
Sandwich Diploma in Early Childhood Care and Education			
Level	Male	Female	Total
200	2	0	2
Total	2	0	2

Publications

1. **Donkor, A. K.** (2018). School safety issues in northern Ghana: A way forward. *International Journal of Humanities Social Sciences and Education*, 5(2), 88-97.
2. **Donkor, A. K., & Waek, B. I.** (2018). Community involvement and teacher attendance in basic schools: The case of East Mamprusi district in Ghana. *International Journal of Education and Practice*, 6(2), 50-63.
3. **Donkor, A. K., & Alhassan, A.** (2018). Training teachers to manage truancy at Savelugu West Circuit of Education in northern Ghana. *International Journal of Educational Policy Research and Review*, 5(4), 57-68. ISSN: 2360- 7076.
4. **Donkor, A. K.** (2018). Parent’s commitment is the gateway to a child’s academic success. *International Journal of Educational Technology and learning*, 2(1), 25-31.

DEPARTMENT OF AGRICULTURAL AND CONSUMER SCIENCES EDUCATION

Staff

Name	Qualification	Rank/Position
Abujaja, M .A	Dip. Ed, B.Ed. (UEW, Winneba, Gh.), MPhil (Ghana)	Snr Lecturer/ HoD
Ibrahim, M. G.	B.Ed. (UCC. Cape Coast, Gh), M.A., M.A. (Ghana), Ph.D. (Keele)	Lecturer
Nyatsikor, M. K	B.Ed., M. Phil (UCC. Cape Coast, Gh), Ph.D. (UK)	Lecturer
Abdul Rahaman, K	B.Ed., M. Phil (UDS, Tamale, Gh.)	Assistant Lecturer

Programme (s)

Undergraduate

- Bachelor of Education in Agriculture (Four-Year, Full-Time)
- Diploma in Agricultural Science Education (Full-Time)

Post Graduate

- Master of Education in Agriculture Education (Sandwich)
- Master of Philosophy in Agricultural Science Education (Full-Time)

Student Enrolment for 2018/2019

Year/Programme (s)	Male	Female	Total
<i>Diploma in Agriculture</i>			
<i>Level 200</i>	30	08	38
<i>Sub Total</i>	30	08	38
<i>B.Ed. in Agriculture</i>			
<i>Level 100</i>	-	-	-
<i>Level 200</i>	29	11	40
<i>Level 300</i>	22	06	28
<i>Level 400</i>	23	01	24
<i>Sub Total</i>	74	18	92
POST-GRADUATE PROGRAMMES			
<i>M.Ed. in Agriculture Education</i>			
<i>Year One</i>	04	-	04
<i>Year Two</i>	07	-	07
<i>Sub Total</i>	11	-	11
<i>Grand Total</i>	115	26	141

Journal Article

Abujaja, A. M., Abdulai, A. (2019). Using Effective Assessment to Improve Teaching and Learning. Journal for Researching Education Practice and Theory. 2(1): 1-3.

Amuriyaga, I. D., Hudu, Z. and **Abujaja, A. M.** (2018). Effectiveness of Project Method of Teaching on Agricultural Knowledge and Skills Acquisition among Agricultural Science Students of Awe Senior High School in the Upper East Region, Ghana. World Journal of Educational Research and Reviews. 4(1): 062-075.

Research Areas

Abujaja, M. A

Agricultural Extension, Rural Development, Gender and Education.

Ibrahim, M. G.

Educational Leadership and Management (including Behaviour Management in schools), Teacher Professional Development, Educational policy-making and policy studies.

Nyatsikor, M.K

Educational Psychology and Achievements

Abdul Rahaman, K

Horticulture, Agriculture Science Education and Educational Research Methods

DEPARTMENT OF SOCIAL AND BUSINESS EDUCATION**Staff**

Name	Qualification	Rank/Position
<i>Debrah, I. A.</i>	<i>Dip., B.Ed., M.Phil. (UCC. Cape Coast, Gh)</i>	<i>Senior Lecturer/HoD</i>
<i>Bamora, F. N.</i>	<i>Dip., B.Ed., (UCC. Cape Coast, Gh), Post-Dip, Ph.D. (Hull)</i>	<i>Lecturer/ Senior Hall Tutor</i>
<i>Lobnibe, J. F. Y.</i>	<i>B.Ed, (UCC. Cape Coast, Gh), M.A, Ph.D (Illinois)</i>	<i>Lecturer</i>
<i>Pufaa, E. F.</i>	<i>B.A (UDS. Tamale, Gh), M.Sc., (KNUST. Kumasi, Gh), Ph.D. (UEW. Winneba, Gh)</i>	<i>Lecturer</i>
<i>Ngmenkpiao, F</i>	<i>B.Ed., (UEW. Winneba. Gh), M.Ed., Ph.D. (Cape Town)</i>	<i>Lecturer</i>
<i>Flora, C.</i>	<i>B.Ed., (UEW, Winneba. Gh), M.Ed., (UCC, Cape Coast. Gh), MPhil. (UEW. Winneba. Gh)</i>	<i>Lecturer</i>
<i>Akosewine, F. A.</i>	<i>B.A., (UDS. Tamale, Gh), M.Phil. (UCC. Cape Coast. Gh)</i>	<i>Lecturer/QAO</i>
<i>Abdul-Kadiri, Y.</i>	<i>B.Ed., M.Phil. (UCC. Cape Coast, Gh)</i>	<i>Lecturer/ Exams Officer</i>
<i>Saayir, T. P.</i>	<i>B.Ed., M.Phil. (UCC. Cape Coast. Gh)</i>	<i>Assistant Lecturer</i>

Student Enrolment for 2018/2019

Programme	Male	Female	Total
Level100			
B.Ed. Business Studies	40	5	45
B.Ed Social Science	45	35	144
Sub-Total	85	40	125
Level200			
B.Ed Business Studies	37	13	50
B.Ed Social Science	109	35	144
Sub-Total	146	48	194
Level300			
B.Ed Business Studies	80	12	92
B.Ed Social Science	98	34	132
Sub-Total	178	46	224
Level400			
B.Ed Business Studies	204	47	251
B.Ed Social Science	192	54	246
Sub-Total	396	101	497
TOTAL	805	235	1040

Publication

Pufaa, F. E

Pufaa, F., E., Fiadzawoo, J., K. & Agoke, W., (2018). Mentoring Student Teachers at the Faculty Tamale: Quandaries of Mentors at the Schools of Practice. Higher Educational Research and Policy Network. Kampala International University of Uganda. Journal of Sociology and Education in Africa (JOSEA). 15(2).

Abdul- Kadiri, Y

Bolaji, MHA, **Abdul- Kadiri, Y** and Bamora F.N (2019). Empowering Women through Action Research on Market Access and Segmentation. The EMPOWER Project in Northern Ghana. Policy Brief: Action Research II. GILBT Press, Tamale.

Bolaji, MHA, **Abdul- Kadiri, Y** and Bamora F.N (2019). Empowering Women through Training in Northern Ghana. Report of Action Research II: Market Access and Segmentation Skills. GILBT Press, Tamale.

Abdul- Kadiri, Y and Abu Sulemana (2019) Use of Information and Communication Technology (ICT) in Teaching and Learning of Mathematics in Al-Faruq College of Education, Wenchi-Ghana. International Journal of Science and Research (IJSR), India.

Bamora, F.N

Atia, **Bamora F.N**, et al (2019) Building Collaboration for Development; The case of Empower Learning Model (in press)

Bolaji, MHA, Abdul- Kadiri, Y and **Bamora. F.N** (2019). Empowering Women through Action Research on Market Access and Segmentation. The EMPOWER Project in Northern Ghana. Policy Brief: Action Research II. GILBT Press, Tamale.

Bolaji, MHA, Abdul- Kadiri, Y and **Bamora F.N** (2019). Empowering Women through Training in Northern Ghana. Report of Action Research II: Market Access and Segmentation Skills. GILBT Press, Tamale.

Ngmenkpieo, F.

Ngmenkpieo, F., & Cishe, E.N. 2018. Instructional Strategies used by Teachers in Secondary School with Learners in East London, South Africa. Journal of Education Review VOL. 10. N0 2, September-J E R December 2018

Nyankpala Campus



3

Faculties

1

School

14

Departments



Schools/Faculties under Nyankpala Campus

- Faculty of Agriculture
- Faculty of Agribusiness & Communication Sciences
- Faculty of Natural Resources & Environment
- School of Engineering



FACULTY OF AGRICULTURE (FoA)

Introduction

The Faculty of Agriculture is located at 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, Veterinary Nursing, Family and Consumer Science and Food Processing Technology disciplines. We also have programmes in Biotechnology and Molecular Biology and Food Science and Technology. 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 Economics and Extension, Horticulture, Agronomy, and Biotechnology.

The Diploma programmes are for prospective students who want to upgrade themselves in Agricultural Education, General Agriculture, Family and Consumer Science and Biotechnology. Students who graduate with good grades from the diploma programme are enrolled onto various levels of the BSc programme depending on their final grade.

Departments

The Faculty has ten (10) academic departments namely,

- Department of Agricultural Economics and Extension
- Department of Agricultural Mechanization and Irrigation Technology
- Department of Agronomy
- Department of Animal Science
- Department of Biotechnology
- Department of Food Science and Technology
- Department of Horticulture
- Department of Family and Consumer Science
- Department of Agriculture and Consumer Science Education
- Department of Veterinary Science

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**Student Admissions Year on Year**

Year	Male	Female	Total
Level 100	142	98	240
Level 200	183	107	290
Level 300	146	49	195
Level 400	194	86	280
Diploma Year 1	117	115	232
Diploma Year 2	90	58	148
Postgraduate	170	28	198
Total	1,042	541	1,583

Dean’s Office**Staff**

Name	Qualification	Rank/Position
Quainoo, A. K.	BSc; (UCC, Cape Coast, Gh), MSc (Helsinki, Finland); PhD (Reading, UK); DMS (Stratford, UK)	Professor/Dean
Addah, W.	BSc. (UDS, Tamale, Gh), MSc. (KNUST, Kumasi, Gh), PhD (Alberta, Canada)	Asso. Professor/ Vice Dean
Yeboah, S. O.	B.Sc. (KNUST, Kumasi, Gh), MSc (Hohenheim, Germany)	Snr. Asst. Registrar /Faculty Officer

DEPARTMENT OF AGRICULTURAL ECONOMICS AND EXTENSION**Staff**

Name	Qualification	Rank/Position
Fearon, J.	B.Sc. (UDS, Tamale, Gh), M.Phil (Ghana)	Snr. Lecturer/HOD
Anang, B. T.	BSc. (UDS, Tamale, Gh), MSc (London), PhD (Helsinki, Finland)	Lecturer
Mintah, S.	B.M.S, (UCC, Cape Coast, Gh), MPhil (UDS, Tamale, Gh)	Lecturer

Research Activities:**Fearon, J.**

- Performance of the Cocoa Sector; A Comparative Study of the Free Fertilizer Distribution and Subsidy Schemes in Ghana.
- Smallholder farmers’ willingness to pay for improved maize Seeds in the Tolon District, Ghana.
- Does Farmer Group membership improve rice production? Evidence from selected FBOs in Sagnarigu Municipality, Tamale.
- Farmers’ Perception of Cocoa Hand Pollination in the West Akyem Municipality, Eastern Region.
- How Safe Is Our Meat? Accessing Activities along the Value Chain in the Tamale metropolis.

Anang, B. T.

- Technology adoption and farm productivity in Tolon District of Northern Ghana.
- Efficiency and productivity analysis of smallholder maize farms in Northern Ghana
- Impact analysis of agricultural technologies and programmes in northern Ghana

Mintah, S.

- Prospects and constraints of Shea butter processing and exporting: Evidence from Tamale metropolis, Ghana.
- Determinants of Information and Communication Technology (ICT) Usage Among Undergraduate Students of University for Development Studies, Ghana
- Farmers’ Knowledge and Attitude towards Cocoa Swollen Shoot Virus Disease (CSSVD) And Its Preventive Measures in Dormaa District, Brong-Ahafo Region

Publications

Anang, B. T.

- **Anang, B. T.** (2019). Are adopters of improved rice varieties more productive than non-adopters? Empirical evidence from northern Ghana. Ghana Journal of Development Studies, Vol. 16, Number 1, pp: 92-107.
- Ahmed, H. and **Anang, B. T.** (2019). Impact of Improved Variety Adoption on Farm Income in Tolon District of Ghana. Agricultural Socio-Economics Journal, Vol. 19, Number 2, pp: 105-115.
- Ahmed, H. and **Anang, B. T.** (2019). Does Farmer Group Membership Enhance Technology Adoption? Empirical Evidence from Tolon District of Ghana. Review of Agricultural and Applied Economics, Vol. 22, Number 2, pp: 26 – 32.
- Nyaaba, J. A., Nkrumah-Ennin, K. and **Anang, B. T.** (2019). Willingness to Pay for Crop Insurance in Tolon District of Ghana: Application of an Endogenous Treatment Effect Model. AIMS Agriculture and Food, Vol. 4, Number 2, pp: 362–375.
- **Anang, B. T.** (2019). Effect of non-farm work on agricultural productivity: Empirical evidence from northern Ghana. Agricultura Science and Technology, Vol. 11, Number 1, pp: 49-58.
- **Anang, B. T.** and Yeboah, R. W. N. (2019). Determinants of Off-Farm Income among Smallholder Rice Farmers in Northern Ghana: Application of a Double-Hurdle Model. Advances in Agriculture, Vol. 2019, pp: 1-7.
- Sell, M., Bäckman, S., **Anang, B. T.**, and Niemi, J. K. (2018). The unequal efficiency gap: key factors influencing women farmer’s efficiency in Uganda. Cogent Food & Agriculture, Vol. 4, Number 1, pp: 1-18.

- Alesane, A. and **Anang, B. T.** (2018). Uptake of health insurance by the rural poor in Ghana: determinants and implications for policy. *Pan African Medical Journal*, Vol. 31, Number 124, pp: 1-10.
- **Anang, B. T.** (2018). Farm technology adoption by smallholder farmers in Ghana. *Review of Agricultural and Applied Economics*, Vol. 21, Number 2, pp: 41 -47.
- Obeng, F. K., Gumah, S. and Mintah, S. (2019). Farmers’ Perceptions of Information and Communication Technology (ICT) Use in Extension Service Delivery in Northern Region, Ghana. *Vol 6 No 1 (2019): Ghana Journal of Science, Technology and Development*.

DEPARTMENT OF AGRICULTURAL MECHANISATION AND IRRIGATION TECHNOLOGY

Staff

<i>Name</i>	<i>Qualification</i>	<i>Rank/Position</i>
<i>Gbedzi, V. D.</i>	<i>BSc. (KNUST, Kumasi, Gh), PgD, MSc (IHE, Delft, The Netherlands)</i>	<i>Snr Lecturer/HOD</i>
<i>Kranjac-Berisavljevic, G.</i>	<i>BSc. (Belgrade, Yugoslavia), MSc. (Bari, Italy) D. Litt (St. Cl.), PhD (Ghana)</i>	<i>Professor/Director UDS International</i>
<i>Yawson, A.**</i>	<i>MSc. (Bucharest, Romania)</i>	<i>Snr. Lecturer</i>
<i>Awudu, A.**</i>	<i>MSc. (Ruse, Bulgari)</i>	<i>Snr Lecturer</i>
<i>Oforu, M. A.**</i>	<i>MSc. (Ruse, Bulgari), PhD (UCC, Cape Coast, Gh)</i>	<i>Snr Lecturer</i>
<i>Korese, J.K.</i>	<i>B.Sc (UDS, Tamale, Gh), M.Sc. (Hoheneim, Germany), PhD (Kassel, Germany)</i>	<i>Snr. Lecturer</i>
<i>Gandaa, B. Z.</i>	<i>BSc. (UDS, Tamale, Gh), MPhil. (Ghana)</i>	<i>Lecturer</i>
<i>Adongo, T. A.</i>	<i>BSc. MPhil (UDS, Tamale, Gh)</i>	<i>Asst. Lecturer</i>
<i>Alenyorege*, A. E.</i>	<i>BSc. MPhil (UDS, Tamale, Gh)</i>	<i>Asst. Lecturer</i>
<i>Blege P. K.</i>	<i>BSc. MPhil (UDS, Tamale, Gh)</i>	<i>Asst. Lecturer</i>

*Staff on study leave; **Staff on post retirement contract.

Research Interests

Gbedzi, V. D.

- Precision irrigation system with farmers at Kukobila, Nasia and Kparigu in the Northern Region of Ghana. Research Foundation of State University of New York, University at Buffalo, USA.

Kranjac-Berisavljevic, G.

- Waterapps; Water information services for sustainable food production in peri-urban delta areas in Ghana and Bangladesh (funded by WOTRO)
- Development Strategy for Urban Sustainability in Africa on the Basis of SDGs Interlinkage Analysis (USiA) funded by JICA

- WAGRINNOVA (Leap-Agri EU funded): Team Leader On-farm technologies and irrigation scheme/lowland valley organizational models for sustainable, efficient and economically viable use of land, water, energy and inputs
- Economics of Land Degradation (ELD) Project, GIZ-EU funded
- Deputy Director ACE IMPACT (World Bank and AFD funded) Centre of Excellence in Irrigation and Drainage at UDS, Tamale

Korese, J. K.

- Field level foundation seed production activities (2019, UDS-FOA/SAPIP)
- Design and development of hybrid solar drying system for continuous drying of agricultural products at steady and moderate temperatures with focus on systems and components, thermophysics of various agricultural products and energy audit.
- UPGRADE Plus project: German – African joint research on decentralised postharvest processing of underutilized species into innovative value added products for improved food and nutrition security in West Africa (2018-2020; funded by BLE).
- InnoStore project: Innovative cereal drying and handling technology to combat aflatoxin contamination in Kenya’s maize supplies (2018-2019, funded by BMBF).
- Empowering Jua Kali to combat mycotoxins in Kenya's maize supplies: A participatory design approach with transdisciplinary knowledge integration (2017 – 2019, funded by Volkswagen Foundation).

Gandaa, B. Z.

- Ecosystem services changes in irrigation projects
- Effect of climate variation on crop production in flood and drought prone areas in Northern Region of Ghana.
- Impact of climate variation on adaptation Strategies/interventions on crop production in sub-basins White Volta in Northern Ghana.
- Water resources development and management for irrigation in Guinea Savannah Zone of Africa.
- Hydrological research in surface and groundwater modelling in Watersheds.
- Dry spell/Wet spells analysis within the Guinea Savannah agricultural ecological zone of Ghana.
- Re-use of metropolitan waste for agriculture and greening of urban and peri-urban centers.

Adongo, T. A.

- Soil Loss Estimation Using Spatially Integrated RUSLE in Selected Reservoir Catchments in Northern Ghana, 2019.
- Assessment of Reservoir Sedimentation of Irrigation Dams in Northern Ghana, 2019.
- Modelling of Reservoir Sedimentation of Selected Irrigation Dams in Northern Ghana, 2019

Alenyorege, E. A.

- Non-thermal decontamination and preservation of fruits and vegetables
- Ultrasound-assisted processing of food (extraction, dehydration & decontamination)

Publications

Kranjac-Berisavljevic', G.

- Gbangou, T., Fulco L., van Slobbe, E., Hoang, L., **G. Kranjac-Berisavljevic, 2019** Seasonal variability and predictability of agro-meteorological indices: Tailoring onset of rainy season estimation to meet farmers’ needs in Ghana, *Climate Services* 14 (2019) 19–30, <https://doi.org/10.1016/j.cliser.2019.04.002>
- Chirawurah, D., Fishkin, J., Santuah, N., Siu, Al., Bawah, A., **Kranjac-Berisavljevic, G.,** and Giles, K. **2019.** Deliberation for Development: Ghana’s First Deliberative Poll, *Journal of Public Deliberation*: Vol. 15: Iss.1, Article 3. Available at: <https://www.publicdeliberation.net/jpd/vol15/iss1/art3>
- Karg, H., Hologa, R., Schlesinger, J., Drescher, A., **Kranjac-Berisavljevic, G.,** Glaser, R. **2019.** Classifying and Mapping Periurban Areas of Rapidly Growing Medium-Sized Sub-Saharan African Cities: A Multi-Method Approach Applied to Tamale, Ghana. *Land* 2019, 8, 40; doi:10.3390/land8030040.
- Bellwood-Howard, I., **Kranjac-Berisavljevic, G.,** Nchanji, E., Shakya, M., and van Veenhuizen, R., **2018.** Participatory planning for food production at city scale: Experiences from a stakeholder dialogue process in Tamale, Northern Ghana. p. 292-311 in: Cabannes, Y. and Marocchino, C. (eds). 2018. Integrating Food into Urban Planning. London, UCL Press; Rome, FAO. <https://doi.org/10.14324/111.9781787353763>
- Saito, O., **Kranjac-Berisavljevic, G.,** Takeuchi, K., Gyasi, E. A., (eds). **2018.** Strategies for Building Resilience against Climate and Ecosystem Changes in Sub-Saharan Africa, ISSN 2197-7348, ISSN 2197-7356 (electronic), Library of Congress Number: 2017946859

- Saito O., Boafu, Y. A., Jasaw, G. S., Antwi, E.K., Kikuko, S., **Kranjac-Berisavljevic, G.**, Yeboah, R., Obeng, F., Gyasi, E.A., Takeuchi, K., **2018**: The Ghana Model for Resilience Enhancement in semi-Arid Ghana: Conceptualisation and Social Implementation, Chapter 2 in: Saito, O., Kranjac-Berisavljevic, G., Takeuchi, K., Gyasi, E. A., (eds). 2018. Strategies for Building Resilience against Climate and Ecosystem Changes in Sub-Saharan Africa. Springer.
- Saito O., Boafu, Y. A., Jasaw, G. S., **Kranjac-Berisavljevic, G.**, Yeboah, R., Obeng, F., Mensah, A., Gordon, C., Takeuchi, K., **2018**: internationalisation and Localisation of the Ghana Model: Lessons Learned, Opportunities for Upscaling and Future Directions. Chapter 18 in: Saito, O., Kranjac-Berisavljevic, G., Takeuchi, K., Gyasi, E. A., (eds). 2018. Strategies for Building Resilience against Climate and Ecosystem Changes in Sub-Saharan Africa. Springer.

Korese, J. K.

- Achaglinkame, M. A., Aderibigbe, R. O., Hensel, O., Sturm, B., and **Korese, J. K.** (2019). Nutritional characteristics of four underutilized edible wild fruits of dietary interest in Ghana. *Foods*, 8(3):104. doi:10.3390/foods8030104
- **Korese, J.K.**, Achaglinkame, M.A., Aderibigbe, R. O., Hensel, O., Esper, A. and Sturm, B. (2019): Effect of pretreatment and integration of Superabsorbent Polymers (SAP) as desiccants on quality parameters of Frafra potato (*Solenostemon rotundifolius*) during solar drying. Tropentag 2019 conference on “Filling gaps and removing traps for sustainable resources management”, University of Kassel and Göttingen, Germany.
- Chikpah, S. K., **Korese, J.K.**, Hensel, O. and Sturm, B. (2019). Effect of sieve particle size on quality attributes of peeled and unpeeled orange fleshed sweet potato composite flours. Tropentag 2019 conference on “Filling gaps and removing traps for sustainable resources management”, University of Kassel and Göttingen, Germany.
- Chikpah, S. K., Aderibigbe, R. O., Sturm, B., Esper, A., Hensel, O. and **Korese, J.K.**, (2019). Composite flour blends: effect of particle size of peeled and unpeeled orange fleshed sweet potato flours on quality characteristics of cookies. Tropentag 2019 conference on “Filling gaps and removing traps for sustainable resources management”, University of Kassel and Göttingen, Germany.
- Aderibigbe, R. O., Folasade Olabimpe Adeboyejo, F. O., Afolabi, M., O., **Korese, J. K.** & Chikpah, S. K. (2019). Comparative nutritional analysis of paste developed from *Tricosanthes cucumerina* Linn and *Lycopersicon esculentum* L. Mill. in Nigeria. Tropentag 2019 conference on “Filling gaps and removing traps for sustainable resources management”, University of Kassel and Göttingen, Germany.

- Achaglinkame, M. A., Aderibigbe, R. O., Hensel, O., Sturm, B., and **Korese, J. K.** (2018). Nutritional and anti-nutritional composition of two underutilized fruits for increased consumption and food product development in Ghana. WACCI International Conference 2018 - Food and Nutrition Security in Africa: The Match Towards a Hunger-Free Africa (Book of abstracts), Legon
- Lelea, M.A., Tröger, K., Oyegbile, S. A., Aderibigbe, R. O., **Korese, J.K.** & Kaufmann, B. (2019). Initializing transdisciplinary engagement with non-academic stakeholders: processes of mutual selection between women’s groups and researchers in Nigeria and Ghana. Leverage Points 2019 International Conference on Sustainability Research and Transformation, Lüneburg, Germany

Gandaa, B. Z.

- **Gandaa B. Z.**, Kranjac-Berisavljevic G. and Balma Y. (2018) Ecosystem Management in Large-scale Irrigation Landscapes in Northern Ghana” International Journal of Irrigation and Agricultural Development IJIRAD (1) 24-33. **Journals**

Adongo, T. A.

- **Adongo, T. A.**, Abagale, F. K., Kyei-Baffour, N. and Agyare, W. A. (2019). Assessment of Reservoir Sedimentation of Irrigation Dams in Northern Ghana. Lake and Reservoir Management. (*Under Review*).
- **Adongo, T. A.**, Agyare, W. A., Kyei-Baffour, N. and Abagale, F. K. (2019). Soil Loss Estimation Using Spatially Integrated RUSLE in Selected Reservoir Catchments in Northern Ghana. International Journal of Engineering, Science and Technology. (*Under Review*).
- Torgbo, S., Quaye, E. A., **Adongo, T. A.**, and Opoku, N. (2018). The Effects of Dried Faecal Sludge and Municipal Waste Co-Compost on Microbial Load and Yield of Cabbage (*Brassica oleracea* L. var. *capitata*) and Lettuce (*Lactuca sativa*). *Journal of Microbiology, Biotechnology and Food Sciences*, 7(6).
- **Adongo, T. A.**, Abagale, F. K., Kranjac-Berisavljevic, G. (2017). State and Performance of Water Retention Structures of Earthen Irrigation Dams in Northern Ghana. *International Journal of Irrigation and Agricultural Development*, 1(1), 34 – 43.
- Abdul-Ganiyu, S., Ishikawa, H., **Adongo, T. A.**, and Kranjac-Berisavljevic, G. (2017). Integrated Application Co-compost and Inorganic Fertilizer on Growth and Yield Response of Maize (*Zea mays* L.) at Different Planting Distances in the Northern Region of Ghana. *African Journal of Food and Integrated Agriculture*, 1(1), 30-38.

- Abdul-Ganiyu, S., Ishikawa, H., **Adongo, T. A.**, and Kranjac-Berisavljevic, G. (2017). Integrated Application of Co-compost and Inorganic Fertilizer on Growth and Yield Response of Maize (*Zea mays* L.) at Different Planting Distances in the Northern Region of Ghana. *African Journal of Food and Integrated Agriculture*, 1(1), 30-38.
- Abdul-Ganiyu, S., Hirohiko, I., **Adongo, T. A.**, and Kranjac-Berisavljevic, G. (2017). Evaluating Borehole Performance in Tolon and Wa West Districts of Northern Ghana. *African Journal of Applied Research (AJAR)*, 3(2), 73-84.

Alenyorege, E. A.

- **Alenyorege, E. A.**, Ma, H., Ayim, I., Lu, F., & Zhou, C. (2019). Efficacy of sweep ultrasound on natural microbiota reduction and quality preservation of Chinese cabbage during storage. *Ultrasonics- Sonochemistry*, 59, 104712.
<https://doi.org/10.1016/j.ultsonch.2019.104712>
- **Alenyorege, E. A.**, Ma, H., Ayim, I., Aheto, J. H., Hong, C., & Zhou, C. (2019). Reduction of *Listeria innocua* in fresh-cut Chinese cabbage by a combined washing treatment of sweeping frequency ultrasound and sodium hypochlorite. *LWT - Food Science and Technology*, 101: 410 – 418.
- **Alenyorege, E. A.**, Ma, H., Ayim, I., Aheto, J. H., Hong, C., & Zhou, C. (2019). Effect of multi-frequency multi-mode ultrasound washing treatments on physicochemical, antioxidant potential and microbial quality of tomato. *Journal of Food Measurement and Characterization*, 13: 677–686.
- Ayim, I., Ma, H., **Alenyorege, E. A.**, & Duan, Y. (2019). In vitro inhibitory effect of tea extracts on starch digestibility. *Journal of Food Process Engineering*, 42(4): 1– 9.

DEPARTMENT OF AGRONOMY**Staff**

Name	Qualification	Rank/Position
<i>Badii, K. B.</i>	<i>BSc. (UDS, Tamale, Gh), M.Phil, PhD (Ghana)</i>	<i>Senior Lecturer/ HOD</i>
<i>Addai, I. K.</i>	<i>BSc. (UDS, Tamale, Gh), M.Phil (KNUST, Kumasi, Gh), PhD (Sussex, UK)</i>	<i>Senior Lecturer</i>
<i>Dzomeku, I. K**</i>	<i>BSc. (Ghana), P. Grad. Dip. (Norway), MSc. (Amadu-Bello, Nigeria), PhD (Reading, UK)</i>	<i>Professor</i>
<i>Sowley, N. K. E.</i>	<i>BSc. Dip. Ed. (UCC, Cape Coast, Gh), M.Phil (Ghana), PhD (Reading, UK)</i>	<i>Asso Proff/Dean, Graduate School</i>
<i>Adu-Gyamfi, R.</i>	<i>BSc. (UDS, Tamale, Gh), M.Phil (Ghana), PhD (Reading, UK)</i>	<i>Snr Lecturer/Vice Dean of Students</i>
<i>Mahama, A. R.</i>	<i>BSc. M.Phil, PhD (UCC, Cape Coast, Gh)</i>	<i>Snr Lecturer</i>
<i>Avorny, V. K*</i>	<i>BSc. (UDS, Tamale, Gh), M.Phil (Ghana)</i>	<i>Snr Lecturer</i>
<i>Kankam, F.</i>	<i>B.Ed. (UEW, Winneba, Gh), MSc. (KNUST, Kumasi, Gh), PhD (Gansu, China)</i>	<i>Snr Lecturer</i>
<i>Kugbe, X. J.</i>	<i>BSc. (UCC, Cape Coast, Gh), MSc. (Ehime, Japan), PhD, (Bonn, Germany)</i>	<i>Lecturer</i>
<i>Mustapha A. S.</i>	<i>BSc. (UDS, Tamale, Gh), MSc. (KNUST, Kumasi, Gh), PhD (Ghana)</i>	<i>Lecturer</i>
<i>Lamptey, S.</i>	<i>BSc. (UCC, Cape Coast, Gh), M.Phil (Ghana), PhD (Gansu, China)</i>	<i>Snr Lecturer</i>
<i>Adu-Acheampong, S.</i>	<i>BSc. (KNUST, Kumasi, Gh), MPhil (Ghana), PhD (Stellenbosch, SA)</i>	<i>Lecturer</i>

*Staff on study leave; **Staff on post retirement contract.

Research Interests**Badii, K. B.**

- i. Development of integrated management strategies for the invasive fall armyworm, *Spodoptera frugiperda*, in northern Ghana
- ii. Development of improved postharvest grain preservation and strengthened value chain to improve profitability from cowpea production by small farmers in northern Ghana

Dzomeku, I. K.

- i. Tillage practices, soil fertility management and weed control methods for sustainable rice production.
- ii. Evaluating the devastating effects of *Striga* in Guinea Savanna

Sowley E. N. K.

- i. Field and Postharvest pathology of root and tuber crops.
- ii. Evaluation of plant extracts for the control of pathogenic fungi. .
- iii. Epidemiology and control of *Cercospora* leaf spot disease of groundnut

Addai, I. K.

Evaluation of pearl millet (*Pennisetum glaucum*), soybean (*Glycine max*) and groundnut (*Arachis hypogaea*) lines for improved grain quality and agro-morphological traits in Northern Ghana

Adu-Gyamfi, R.

- i. Multiplication of planting material using Plant Tissue culture
- ii. Yam production through Yam Miniset Technique
- iii. Promoting use of NPK briquette in maize and vegetables production system.
- iv. Youth in Agriculture project

Mahama, A. R.

- i. Use of leguminous plants for soil fertility enhancement.
- ii. Enhancing nitrogen fixation and soil nitrogen through rhizobia inoculation and the use of phosphorus fertilizers.
- iii. Organic matter accumulation and soil fertility maintenance through the use of organic materials.

Kankam, F. K.

Isolation and identification of toxins produced by potato *Rhizoctonia solani* AG-3 and the pathogenic mechanisms for stem canker.

Shirley, L.

- i. Effects of Pearl Millet (*Pennisetum glaucum* L.)–Cowpea (*Vigna unguiculata* L. Walp.) Intercrop on Striga Hermonthica (Del.) Benth Management, Yield Components and Grain Yield in the Sudan Savannah Zone of Ghana
- ii. Response of Groundnut (*Arachis hypogaea* L.) and Cowpea (*Vigna unguiculata* L. Walp.) to Five Strains of Rhizobium
- iii. Effect of Soil Amendment and Weeding Regime on Growth and Yield Potential of Rice (*Oryza sativa* L.)
- iv. Assessment of the Sustainability and Productivity of Organic and Conventional Cocoa Cropping Systems in The Atwima Mponua District: Special Focus on Soil Properties

Kubge, J. X.

Soil Science, food production and food security, climate change and greenhouse gas emission

Sanatu, M. A.

Methodologies in field crop improvement, Multi-environment evaluation of field crops especially legumes, Field trial methodology, Student training.

Adu-Acheampong, S.

Insect Ecology and Biodiversity

Publications

Badii, K. B.

1. Nboyine, J. A., Kusi, F., Abudulai, M., **Badii, B. K.**, Zakaria, M., Adu, G. B., Alidu, H., Seidu, A., Osei, V. & Alhassan, S. (2019). A new pest, *Spodoptera frugiperda* (J.E. Smith), in tropical Africa: seasonal dynamics and damage in maize fields in northern Ghana. *Crop Protection*. 2019:644-657.
2. Kwowura J. K., Sowley E. N. K. and **Badii K. B.** (2019): Antifungal activity of plant extracts against *Colletotrichum gloeosporioides* (Penz.) the causative agent of yam anthracnose disease, *Archives of Phytopathology and Plant Protection*, 432(1):33.45. DOI: 10.1080/03235408.2019.1604303
3. Aidoo O. F., Tanga C. M., Khamis F. M., Brenda A. R., Samira A. M., **Badii K. B.**, Daisy S., Mamoudou S, Ekesi S. and Borgemeister C. (2018). Host suitability and feeding preference of the African citrus trioza *Trioza erytreae* Del Guercio (Hemiptera: Triozidae), natural vector of “*Candidatus Liberibacter africanus*”. *Journal of Applied Entomology*. 2018:1–9.

Dzomeku, I. K.

1. **Dzomeku I. K.**, S. Baba S, Abudulai M, Mohammed A. M and Abdulai A. L. (2019). Groundnut (*Arachis hypogaea* L.) response to phosphorus and weed management in the Guinea savannah zone of Ghana. accepted for publication in *TROPICULTURA*, 37 (1) (2019). DOI: 10.25518/2295-8010.253
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7. **Dzomeku I. K.**, Illiasu O. and Mohammed A.M. (2018). Effects of Integrated Use of Organic and Inorganic Fertilizer on Soil Chemical Properties in the Guinea Savannah Zone of Ghana. Accepted paper for publication in *VEGETOS: An International Journal of Plant Research* 31(2): DOI: 10.4172/2229-4473.1000404.
8. **Dzomeku I. K.**, Abdul-Kareem A. B. and Rashad M. A. (2018). Effect of organic materials on availability of Burkina rock phosphate and phosphorus residual influence in lowland rice (*Oryza sativa* L.) production in Guinea savanna zone. *Asian Academic Research Journal of Multidisciplinary* 5 (3): 172-184.
9. **Dzomeku I. K.**, Illiasu O., and Amegbor I. K. (2018). Effects of biochar, rice husk and rice straw on productivity of maize (*Zea mays* L.) and sustainable soil fertility restoration. *Journal of Experimental Agriculture International*, 20 (6): 1-1.
10. **Dzomeku I. K.** and Illiasu O. (2018). Effects of groundnut shell, rice husk and rice straw on the productivity of maize (*Zea mays* L.) and soil fertility in the Guinea savannah zone of Ghana. *Acta Scientific Agriculture* 2 (3): 29-35.

Sowley, E. N. K.

1. Kwodaga, J. K., **Sowley, E. N. K.** and Badii, B. K. (2019). Antifungal activity of some plant extracts against *Colletotrichum gloeosporioides* (Penz.) the causative agent of yam anthracnose disease. Archives of Phytopathology and Plant Protection. <http://doi.org/10.1080/03235408.2019.1604303>
2. **Sowley E. N. K.**, Kankam F. and Kundo D. A. (2018). Comparative study on the incidence of white mould (*Sclerotinia sclerotiorum*) on stored carrot within two markets in the Tamale Metropolis. *Asian Journal of Agriculture and Food Sciences* 6 (6): 202 – 208.
3. Kankam F., **Sowley E. N. K.** and Ibrahim A. (2018). Evaluation of Cowpea (*Vigna unguiculata*) Genotypes for Resistance of Web Blight Caused by *Rhizoctonia solani*. *Asian Journal of Research in Crop Science* 2(3): 1-7.

4. **Sowley E. N. K.**, Kankam F. and Tawiah E. (2018). Comparative Study on the incidence of *Aspergillus flavus* in Farmer’s Field and Stored Maize (*Zea mays*) Seed in Northern Region of Ghana. Asian Plant Research Journal 1(2): 1-7.
5. Kankam F., **Sowley, E. N. K.** and Qiu Huizhen (2018). Influence of 3-Methylthiopropionic acid (MTPA) produced by *Rhizoctonia solani* AG-3 on yield, yield components and dry matter accumulation of potato. Asian Journal of Research in Crop Science 2(2): 1-9.

Addai, I. K.

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Adu-Gyamfi, R.

Adu-Gyamfi, R., Shamhuna, A and Fearon, J. (2018). The awareness and use of yam minisett technique in Tolon district in Northern region of Ghana. Agricultural and Food Science Journal of Ghana Vol 11 Special Edition 2018

Kankam, F. K.

1. Quainoo, A.K., **Kankam, F.** (2019). Effect of shea nut shell biochar on root knot nematodes (*Meloidogyne* spp.) of tomato (*Solanum lycopersicum* L.). Annual Research and Review in Biology 30(2): 1-7.
2. **Kankam, F.**, Pu, L. and Qiu, H. (2019). Effects of 3-methylthiopropionic acid (MTPA) phytotoxin produced by *Rhizoctonia solani* on reactive oxygen species (ROS) metabolism of potato plants. Advances in Agricultural Research 7(1): 11-23.
3. Sowley, E.N.K., **Kankam, F.** and Kundo, D.A. (2018). Comparative study on the incidence of white mold (*Sclerotinia sclerotiorum*) on stored carrot within two markets in the Tamale Metropolis of Northern Region. Asian Journal of Agriculture and Food Science 6(6): 202-208.
4. Sowley, E.N.K., **Kankam, F.** and Haruna, D. (2018). Effect of time of application of moringa (*Moringa oleifera* L.) leaf powder on root knot nematode (*Meloidogyne* spp.) infecting cowpea (*Vigna unguiculata* L. walp). Advances in Agricultural Research 6(4): 32-41.
5. **Kankam, F.**, Sowley, E.N.K. and Abdulai, I. (2018). Evaluation of cowpea (*Vigna unguiculata*) genotypes for resistance to web blight caused by *Rhizoctonia solani*. Asian Journal of Research in Crop Science 2(3): 1-7.
6. Sowley, E.N.K., **Kankam, F.** and Tawiah, E. (2018). Comparative study on the Incidence of *Aspergillus flavus* in farmer’s field and stored maize (*Zea mays*) seed in Northern Region of Ghana. Asian Plant Research Journal 1(2): 1-7.

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Lampitey, S.

- Lampitey, S., Li, L., Yeboah, S. & Zhang, R. (2019).** Soil Water Storage, Leaf Photosynthesis and Grain Yield of Maize (*Zea mays* L.) as affected by different Soil Amendments. *Journal of Ghana Science Association*, Vol. 18 (1): 47–55.
- Yeboah, S., **Lampitey, S.**, Zhang, R. and Li, L. (2019). Soil Water Content and Photosynthetic Gas Exchange of Spring Wheat Under Conservation Tillage Systems In The Dryland Western Loess Plateau Area In China. *Journal of Ghana Science Association*, Vol. 18 (1): 23 –31.

Kugbe, J. X.

1. **Kugbe, X. J., Abdallah, S., Sam, E. K. (2019).** Growth and Yield of Okra (*Abelmoschus Esculentus* L. Moench) as Affected by Planting Date and Weeding Regime in Northern Ghana. *Journal of Agriculture and Crops*, 5 (4): 43-47.
2. Sam, E. K., **Kugbe, X. J.**, Adu-Gyamfi, R., Odoom, A. D., Laryea, O. K., Asodewine, P. (2019). Comparative Assessment of Phosphorus Fertilization and Rhizobia Inoculation on Soybean Production in the Guinea Savanna Zone of Ghana. *Journal of Agriculture and Crops*, 5 (6): 78-86.
3. Addai, I. K., **Kugbe, J.** (2019). Planting Dates and Nutrition Management Regimes Impact Positively on Bulb Size, Quality and Yield of Rain-fed Onion. *Ghana Journal of Science, Technology and Development*, 6(1): 44-51.
4. **Kugbe, X. J.**, Addai, I. K., Asekabta, K. A-N. (2019). Intercropping and Fertilizer Rate Combinations Impact on Maize (*Zea Mays* L.) and Soybean (*Glycine Max* L (Merill)) Productivity: The Case Study in the Guinea Savannah Agro-Ecological Zone of Ghana. *Journal of Agriculture and Crops*, 5 (6): 87-99.

Sanatu Mustapha Alidu

1. **Alidu, M. S., Abukari. S. & Abdulai M. (2019).** Screening Groundnut (*Arachis hypogaeae* L.) Genotypes for Resistance to Early and Late Leaf Spot Diseases. *Journal of Experimental Agriculture International*. 37(4):1-9.
2. **Alidu, M. S., Asante, I. K., Tongoona, P., Ofori. K, Danquah A., & F. K. Padi. (2019)** Farmers’ perception of drought effects on cowpea and varietal preferences in Northern Ghana. *American Journal of Agricultural Research*. 4 (46): 1-9.
3. **Alidu, M. S. (2019).** Evaluation of Planting Dates on Growth and Yield of Three Cowpea [*Vigna unguiculata* (L) Walp.] Genotypes in Northern Ghana. *Advances in Research*, 18(4):1-14.

4. **Alidu, M. S.** (2018) Genetic Variability for Flowering Time, Maturity and Drought Tolerance in Cowpea [*Vigna unguiculata* (L.) Walp.]: A Review Paper. Journal of Agriculture and Ecology Research International. 17(2): 1-18.
5. **Alidu, M. S. & F. K. Padi** (2018). Variation in Canopy Temperature and Its Relationship with Drought Tolerance in Cowpea [*Vigna unguiculata* (L.) Walp] Recombinant Inbred Lines. International Journal of Plant and Soil Science. 26(3): 1-13.
6. **Alidu, M. S.,** Asante I. K., Tongoona P., Ofori. K, Danquah A. & F. K. Padi. (2019) Development and screening of cowpea recombinant inbred lines for seedling drought tolerance. Journal of Plant Breeding and Crop Science. 11(1): 1-10.
7. **Alidu, M. S.** (2018). Evaluation of Cowpea Genotypes for Drought Tolerance Using the Pot Screening Approach. Asian Research Journal of Agriculture. 10(2), 1-11

Adu-Acheampong S.

1. **Adu-Acheampong S. & Samways MJ.** (2019). Traits and land transformation change the fortunes of grasshopper generalists vs. specialists in a biodiversity hotspot. Biosystems Diversity, 27: 26-32.
2. Kyerematen R, **Adu-Acheampong S.** & Hynes J. (2019). Change in aquatic insect abundance: Evidence of climate and land-use change within the Pawmpawm River in Southern Ghana. Cogent Environmental Science, p.1594511.
3. Mensah C, Kyerematen R. & **Adu-Acheampong S.** (2019). Impact of Rainfall Variability on Crop Production within the Worobong Ecological Area of Fanteakwa District, Ghana. Advances in Agriculture, 2019.
4. **Adu-Acheampong, S.** Samways M. J. (2019). Feeding and Mobility Traits Influence Grasshopper Vulnerability to Agricultural Production in the Cape Floristic Region Biodiversity Hotspot. Neotropical entomology, pp.1-9.
5. Kyerematen, R., Annang, T. & **Adu-Acheampong, S.** (2018). Influence of human activity on diversity and abundance of insect in the wetland environment. Bonorowo Wetlands 8:33-41.
6. Kyerematen, R., Kaiwa, F., Acquah-Lampsey, D., **Adu-Acheampong, S.,** & Andersen, R.S. (2018). Butterfly Assemblages of Two Wetlands: Response of Biodiversity to Different Environmental Stressors in Sierra Leone. Open Journal of Ecology 8:379-395.

DEPARTMENT OF HORTICULTURE**Staff**

Name	Qualification	Rank/Position
<i>Abubakari, A. H.</i>	<i>BSc. (UDS, Tamale, Gh), MSc. (London), PhD (KNUST, Kumasi, Gh).</i>	<i>Asso Professor / HOD</i>
<i>Nyarko, G.</i>	<i>BSc., MSc. (KNUST, Kumasi, Gh), PhD (Nottingham, UK)</i>	<i>Asso Professor/ Principal Nyankpala</i>
<i>Yidana, J. A.**</i>	<i>BSc. (UCC, Cape Coast, Gh), PhD (Nottingham, UK)</i>	<i>Snr. Lecturer</i>
<i>Abu, M.</i>	<i>BSc. MSc. PhD (KNUST, Kumasi, Gh)</i>	<i>Snr. Lecturer</i>
<i>Bayor, H.</i>	<i>BSc. (KNUST), MSc. (Lakehead, Canada), PhD (Reading, UK)</i>	<i>Snr. Lecturer</i>
<i>Shu-aib Jakpa, S.</i>	<i>BSc. (UDS, Tamale, Gh), MSc. (KNUST, Kumasi, Gh), PhD (Twente, Netherlands)</i>	<i>Lecturer</i>
<i>Amadu, Y.</i>	<i>BSc, MSc.(UDS, Tamale, Gh)</i>	<i>Assit. Lecturer</i>
<i>Imoro, Y.</i>	<i>BSc. (UDS, Tamale, Gh), MSc. (Hannover, Germany)</i>	<i>Assit. Lecturer</i>
<i>Dawuda, M. M*</i>	<i>BSc. MSc. (KNUST, Kumasi, Gh)</i>	<i>Lecturer</i>
<i>Osei-Kwarteng*, M.</i>	<i>BSc. (KNUST, Kumasi, Gh), MSc. (Hannover, Germany)</i>	<i>Lecturer</i>
<i>Chimsah, A. F.*</i>	<i>BSc., MSc. (UDS, Tamale, Gh)</i>	<i>Lecturer</i>

*Staff on study leave; **Staff on post retirement contract.

Research and Training**Abubakari, A. H.**

- i. UrbanFood^{Plus} Project. African-German partnership to enhance resource use efficiency in urban and peri-urban agriculture for improved food security in West African cities.
- ii. Food- and feed-based nutrient cycling in two West African cities
- iii. Effects of biochar on C and N dynamics during composting of organic materials in Sub-Saharan Africa
- iv. Characterisation of some endangered indigenous multipurpose plant species in the savelugu-nantong municipality
- v. Evaluation of post-harvest quality of sweet pepper grown on compost-biochar soilless media

Nyarko, G.

- i. UrbanFood^{Plus} Project. African-German partnership to enhance resource use efficiency in urban and peri-urban agriculture for improved food security in West African cities.

- ii. Sweet potato postharvest value chain, transportation and storage. A research project sponsored by the International Potato Centre (CIP)
- iii. Soya bean agronomic and seeds storage. A research project sponsored by FTF-USAID Agriculture Technology Transfer Project

Yidana, J. A.

- i. Assessment of the performance of Cashew in the East Mamprusi District of Northern Region (on-going) Local funds
- ii. Germination and seedling management of selected medicinal plants for the establishment of Medicinal plants gardens in the East Mamprusi District of Northern Ghana (Local funds)

Bayor, H.

- i. Potential effects of climate change on distribution of indigenous vegetables in the future 2080s
- ii. Effects of sampling bias on the prediction of species distribution models with MaxEnt.

Shu-aib Jakpa, S,

- i. A Preliminary Assessment of the Impact of Climate Change on Agricultural Production in Ghana (*on-going*).
- ii. Research Studies on Yields of Shea (*Vitellaria paradoxa*) Trees in Ghana (*on-going*)
- iii. Effect of Sodium bicarbonate Treatment on the Shelf-life and Quality of Tomato (*Solanum lycopersicum* L.)
- iv. An Assessment of the Intake of Orange as a Source of Dietary Fibre among UDS Students on Nyankpala Campus.
- v. Evaluating Off-farm Quantity and Quality of Organic Materials for Different Uses in Urban and Peri-Urban Tamale (*on-going*).

Imoro, Y.

- i. Quantification of microcracks in the apple fruit skin observed under fluorescent microscope.
- ii. Application of cytokinins and its effect on growth and yield of cashew.

Abubakari, A. H.

- i. Manka'abuse, D., Steiner, C., Häring, V., **Abubakari A. H.**, Marschner, B., Buerkert, A. (2018). Gaseous carbon and nitrogen losses during composting of carbonized and un-carbonized agricultural residues in northern Ghana. *Journal of Plant Nutrition and Soil Science*, 181: 886–893.

- ii. Neindow, M., Sowley, E. N. K., and **Abubakari, A. H.** (2018). Farmers’ knowledge, perceptions and management of cercospora leaf spot disease of groundnut in northern region of Ghana. *Journal of Agricultural Biotechnology and Sustainable Development*, 10:170-177.
- iii. Duwiejuah, A. B., Cobbina, S. J., Quainoo, A. K., **Abubakari, A. H.**, and Bakobie N. (2018). Comparative assessment of adsorption of potentially toxic metals from mono and multi-metal systems using groundnut and Shea nut shell biochars. *Journal of Health and Pollution*, 8:18, 16-29.
- iv. **Abubakari, A. H.** (2018). Effect of sawdust and rice husk based growing media and irrigation on growth and floral quality of *Zinnia elegans*. *Ghana Journal of Horticulture*, 13: 35-49.
- v. Steiner, C. Bellwood-Howard, I., Häring, V., Tonkudor, K., Addai, F., Atiah, K. S. **Abubakari, A. H.**, Kranjac-Berisavljevic, G., Marschner B., and Bürkert. A. (2018). Participatory trials of on-farm biochar production and use in Tamale, Ghana. *Agronomy for Sustainable Development*, 38:12, 1-10.
- vi. Boateng, V. F., **Abubakari A. H.**, and Alhassan H., (2018). Willingness to pay and entrepreneurial prospect of estate landscaping in the Tamale Metropolis in the Northern Region of Ghana. *Ghana Journal of Horticulture*, 13:99-104

Nyarko, G.

- i. Akoto-Danso, E. K., Manka’abusi, D., Steiner, C., Werner, S., Haering, V., Lampo, D. J-P., **Nyarko, G.**, Marschner, B., Drechsel, P., and Buerkert, A. (2019). Nutrient flows and balances in intensively managed vegetable production of two West African cities. *Journal of Plant Nutrition and Soil Science*, 182, 229–243
- ii. **Nyarko, G.**, Afoakwah, A. N. and Dong, Y. (2019). Non-thermal inactivation of polyphenoloxidase from Jerusalem artichoke (*Helianthus tuberosus* L.). *UDS International Journal of Development*, 6 (1): 62 - 71.
- iii. Akoto-Danso, E. K., Karg, H., Drechsel, P., **Nyarko, G.**, Buerkert, A. (2019). Virtual water flow in food trade systems of two West African cities. *Agricultural Water Management*, 213: 760–772
- iv. **Nyarko, G.** and Bayor, H. (2018). The effect of spatial thinning on the potential distribution of 10 African indigenous vegetables. *UDS International Journal of Development*, 5 (2): 7-27
- v. Alhassan, S., Atuna, R. A., **Nyarko, G.**, Low, J. W., Carey, E. E., Amagloh. F. K. (2018). Packaging containers for long-distance transport of sweet potato [*Ipomoea batatas* (L) Lam] storage roots in Ghana. *Open Agriculture*, 3: 596–608

- vi. Abubakari, M., Moomin, A., **Nyarko, G.** and Dawuda, M. M. (2018). Performance and nutritional quality of roselle (*Hibiscus sabdariffa* L.) and Jute Mallow (*Corchorus olitorius* L.) under organic soil amendmets (Composts). *Asian Journal of Agricultural and Horticultural Research*, 2 (1): 1 – 9
- vii. Stenchly, K., Waongo, A., Schaeper, W., **Nyarko, G.** and Buerkert, A. (2018). Structural landscape changes in urban and peri-urban agricultural systems of two West African cities and their relations to ecosystem services provided by woody plant communities. (*Urban Ecosystems* <https://doi.org/10.1007/s11252-018-0811-5>)
- viii. Akoto-Danso, E. K., Manka’abusi, D., Steiner, C., Werner, S., Haring, V., **Nyarko, G.**, Marschner, B., Pay Drechsel, P., Buerkert, A. (2018). Agronomic effects of biochar and wastewater irrigation in urban crop production of Tamale, northern Ghana. Nutrient Cycling in Agroecosystems (<https://doi.org/10.1007/s10705-018-9926-6>)

Bayor, H.

- i) Nyarko, G. and **Bayor, H.** (2018). The effect of spatial thinning on the potential distribution of ten African indigenous vegetables. *Ghana Journal of Science, Technology and Development*, 5 (2): 7-27

Shu-aib Jakpa, S.

- i) Shu-aib Jakpa, S., Lovett, J. C. and Donkoh, S.A. (2018). Management of Shea (*Vitellaria paradoxa*) Parklands in the West African Savannah. *UDS International Journal of Development*, 5 (1).20 – 31.

Dawuda M. M.

- i. Jian Yu, Lijuan Niu, Jihua Yu, Weibiao Liao, Jianming Xie, Jian Lv, Zhi Feng, Linli Hu and **Mohammed Mujitaba Dawuda** (2019). The involvement of ethylene in calcium-induced adventitious root formation in cucumber under salt stress. *Int. J. Mol. Sci.* **2019**, 20, 1047; doi:10.3390/ijms20051047
- ii. Yue Wu, Weibiao Liao, **Mohammed Mujitaba Dawuda**, Linli Hu, Jihua Yu (2018). 5-Aminolevulinic acid (ALA) biosynthetic and metabolic pathways and its role in higher plants: a review. *Plant Growth Regulation*, 1-18 DOI: 10.1007/s10725-018-0463-8
- iii. Abubakari, M., Moomin, A., Nyarko, G. and **Dawuda, M. M.** (2018) Performance and Nutritional Quality of Roselle (*Hibiscus sabdariffa* L.) and Jute Mallow (*Corchorus olitorius* L.) under Organic Soil Amendments (Composts) *Asian Journal of Agricultural and Horticultural Research* 2 (1): 1-9

- iv. Wu, Y., Jin, X., Liao, W., Hu, L., **Dawuda, M. M.**, Zhao, X., et al. (2018). 5-Aminolevulinic acid (ALA) alleviated salinity stress in cucumber seedlings by enhancing chlorophyll synthesis pathway. *Frontiers in Plant Science* 9, 635. doi: 10.3389/fpls.2018.00635.
- v. Wen-Fang Li, Juan Mao, Shi-Jin Yang, Zhi-Gang Guo, Zong-Huan Ma, **Mohammed Mujitaba Dawuda**, Cun-Wu Zuo, Ming-Yu Chu and Bai-Hong Chen (2018). Anthocyanin accumulation correlates with hormones in the fruit skin of ‘Red Delicious’ and its four generation bud sport mutants, *BMC Plant Biology* (2018) 18:363 <https://doi.org/10.1186/s12870-018-1595-8>

Imoro, Y.

- i) **Imoro, Y.**, Knoche, M., Khanal, B.P., Maiß, E. (2018). Growth rate and surface wetness are critical factors in microcracking, loss of water vapour and russetting of the apple fruit surface. *Ghana Journal of Horticulture*. 13 (1): 22 – 34.

Book Publication

Abubakari, A.H.

Books, Chapters and Handbooks

- i. Nyarko, G. and **Abubakari A. H.** (2018). Fundamentals of Landscape Horticulture. Gavoss Educational PLC LTD, Accra, pp 66.
- ii. Adams, C., A. Codjoe, H. A., Zakaria A. R., **Abubakari, A.H.**, Bellwood-Howard I., and Veenhuizen, R. *Stakeholder Dialogue*. A Chapter in a book, Karg, H.; Drechsel, P. (Eds.). (2018). *Atlas of West African urban food systems: examples from Ghana and Burkina Faso*. Colombo, Sri Lanka: International Water Management Institute (IWMI). CGIAR Research Program on Water, Land and Ecosystems (WLE). 83p. doi: 10.5337/2018.224

Nyarko, G.

- i. **Nyarko, G.** and Abubakari, A-H. (2018). *Fundamentals of Landscape Horticulture*. Gavoss Education PLC Limited (publisher), Accra, 66pp.
- ii. Olayide, O. E., Donkoh, S. A., **Nyarko, G.**, Ilori, C. O., Alabi, T. (2018). Assessing socioeconomic factors influencing production and commercialization of bambara groundnut as an indigenous climate resilient crop in Nigeria, pp. 1-17. In: Handbook of climate change resilient, W. Leal Filho (ed), Springer Nature, Switzerland. https://doi.org/10.1007/978-3-319-71025-9_158-1

Magazine Publication

- Shu-aib Jakpa, S. and Owusu, F. (2018). Farmers' Perceptions on Climate Change-A Case Study in Sabegu in the Tolon District of Northern Region of Ghana. *Everyday Science for Schools Magazine* 7(1). 11-12.

DEPARTMENT OF ANIMAL SCIENCE**Staff**

Name	Qualification	Rank/Position
Agbolosu, A. A.	B.Sc. (UDS, Tamale, Gh); MPhil, PhD (Ghana)	Senior Lecturer
Teye, G. A.	BSc./MSc. (KNUST, Kumasi, Gh), PhD (Bristol, UK)	Professor/Pro-Vice Chancellor
Dei, H. K.	Dip. Ed. (UCC, Cape Coast, Gh), MSc. (KNUST, Kumasi, Gh), Ph.D (Newport, UK)	Professor/Dir. DAPQA
Addah W.,	BSc. (UDS, Tamale, Gh), MSc. (KNUST, Kumasi, Gh), PhD (Alberta, Canada)	Associate Professor
Naandam, J.	BSc./Dip.Ed./M.Phil. (UCC, Cape Coast, Gh)	Senior Lecturer
Ansah, T.	BSc. (UDS, Tamale, Gh), MSc. (KNUST, Kumasi, Gh), PhD (Tamale)	Associate Professor
*Birteeb, P. T.,	BSc (UDS, Tamale, Gh), MSc. (UDS, Tamale, Gh)	Lecturer
Bawah, J.	BSc. (UDS, Tamale, Gh), MSc. (KNUST, Kumasi, Gh)	Lecturer
Abu, A.	B. Sc., MPhil (UDS, Tamale, Gh)	Research Fellow
Awini, M.	B. Sc., MPhil (UDS, Tamale, Gh)	Assistant Lecturer

*Staff on study leave; **Staff on post retirement contract.

Research Activities**Teye, G. A.**

- i. The use of local / natural spices in meat products
- ii. Hygienic meat handling, processing and packaging of meat and meat products
- iii. Improvement in Animal welfare in Ghana
- iv. Improvement in the productivity of Guinea fowls

Agbolosu, A. A.

- i. Phenotypic characterization of Animal Genetic Resources in northern Ghana (especially Pigeons, Turkey and Ducks).
- ii. Characterization of the sensory, meristic and morphological traits of Tilapia (*Oreochromis niloticus* species) in three selected water bodies in northern Ghana.
- iii. Preliminary Evaluation of Growth performance and genetic parameters of Djallonké sheep at the Animal Research Institute at Nyankpala.

Naandam, J.

- i. Incidence of tick infestation in dogs in the Sekondi-Takoradi Metropolis.
- ii. Incidence of some selected ectoparasites on small ruminants in the Tolon district of Ghana.
- iii. Analysis of budgetary support to the livestock sub-sector (2005-2015) in Ghana.

Addah, W.

- i. Ruminant Nutrition
- ii. Forage conservation and utilization
- iii. Research design and implementation

Ansah, T.

- i. Feed resources quality and quantity assessment for ruminant livestock production.
- ii. Greenhouse Gas emission estimation from livestock production

Birteeb, P.T

- i. Characterization of indigenous domestic chicken reared under the extensive system in Gomaa West District in the Central Region of Ghana.
- ii. Price determinants in small ruminant marketing in Northern Region of Ghana.

Bawah, J.

- i. Ecosystem and Animal Nutrition
- ii. Reproduction performance in Ruminant and Non-Ruminant
- iii. Ruminant and Non-Ruminant production
- iv. Nutrition (Non-conventional feeding animal production)

Abu, A.

- i. Use of extenders in sausage production
- ii. Exploitation of locally available spices such as, Dawadawa, Prekese, moringa, sweet basil in sausage production
- iii. Use of cattle hump to develop utilizable products like sausages, burgers, etc
- iv. Utilization of meat by-products such as meat trimmings and connective tissues for pet feed

Awini, M.

- i. Assess farmer’s knowledge on locally available forage for pig nutrition in the Tolon district.
- ii. Challenges and prospects of commercial poultry farmers in the Tamale metropolis.
- iii. Assess available feed resources for pigs in the Tolon district.

Publications

Refereed journal Articles

Agbolosu, A. A.

Publications/Papers

1. Avornyo, F. K., Partey, S. T., Zougmore, R. B., Asare, S., **Agbolosu, A. A.**, Akufo, N. M., Sowah, N. A. and Konlan, S. P. (2019). In vivo digestibility of six selected fodder species by goats in northern Ghana. *Tropical Animal Health and Production*. Published online -<https://doi.org/10.1007/s11250-019-01989-w>
2. Tuaruka, L. and **Agbolosu, A. A.** (2019). Assessing Donkey Production and Management in Bunkpurugu/Yunyoo District in the Northern Region of Ghana. *Journal of Animal Husbandry and Dairy Science* 3 (2): 1-5.
3. Adzitey, F., **Agbolosu, A. A.** and Udoka, U. J. (2019). **Antibacterial Effect of Aloe Vera Gel Extract on Escherichia coli and Salmonella spp. Isolated from the Gastrointestinal Tract of Guinea Fowls.** *World's Veterinary Journal (WVJ)* (*in press*)
4. **Agbolosu, A. A.** and Aveyireh, B. (2019). Constraints to Animal Health Service Delivery in the Tolon District of the Northern Region. *Open Journal of Animal Sciences* (*in press*).
5. Ahiagbe, K. M. J., Kayang, B. B., Naazie, A., Botchway, P. K. and **Agbolosu, A. A.** (2018). Comparison of vent sexing and polymerase chain reaction for reliable sex determination in Guinea fowls. *Ghana Journal of Agricultural Science* 52: 17-23.

Teye, G. A.

1. Herman, R.A., Adzitey, F. and **Teye, G.A.** (2019). The shelf life of coarse beef sausage using Dawadawa (*Parkia biglobosa*) pulp powder as an extender. *Journal of Postharvest Technology*, 7: 62-68.
2. Abu, A., **Teye, G. A.** and Adzitey, F. (2019). Effects of sweet basil (*Ocimum basilicum*) leaf powder on the sensory and nutritional qualities of beef and frankfurter sausages. *UDS International Journal of Development*, 6:84-91.
3. Adzitey, F., Assoah-Peprah, P. and **Teye, G.A.** (2019). Whole genome sequencing of *Escherichia coli* isolated from contaminated meat samples collected from the Northern Region of Ghana revealed the presence of multidrug resistant genes. *Journal of Global Antimicrobial Resistance*, 18: 179-182.
4. Adzitey, F., **Ayum, G. T.** and Nsoah, J.K. (2018). Contamination of beeves, tables, knives and aprons by *Escherichia coli* in the Techiman Municipality of Ghana-a preliminary study. *Ghanaian Journal of Animal Science*, 9:129-134.
5. Adzitey, F., Abu, A., **Teye, G. A.**, Weyire, A., Issahaku, A. and Boateng, E. F. (2018). Handling and Storage of Leftover Meat by Butchers in the Tamale Metropolis and Bolgatanga Municipality of Ghana. *Journal of Meat Science and Technology* 6:30-35.

Addah, W.

1. Konlan, S. P. Ayantunde A. A. **Addah, W.** and Herbert, H. K. Dei. (2018). The combined effects of the provision of feed and healthcare on nutrient utilization and growth performance of sheep during the early or late dry season. *Tropical Animal Health and Production* **49**:1423–1430.
2. Konlan, S. P., Ayantunde, A. A., **Addah W.**, **Dei H. K.** and Karbo, N. (2018). Emerging feed markets for ruminant production in urban and peri-urban areas of Northern Ghana. *Tropical Animal Health and Production* **50**:169–176

Ansah, T.,

1. Abdul Rahman, N., **Ansah, T.**, Sadia Osuman, A., Frimpong, S., Arnold, A. (2019). Improved *Arachis hypogaea* variety effect on grain yield, fodder quality and livestock growth. *Agriculture and Natural Resources*. 2019. 53.
2. **Ansah, T.** Alenyorege, B. Znanabongo, I. Y. (2019). *In vitro* digestibility of Napier grass (*Pennisetum purpureum*) supplemented with haulms of four varieties of groundnut (*Arachis hypogaea* L.). *Ghanaian Journal of Animal Science*. Vol. 9 (2).
3. Annor, J., Adzitey, F., **Ansah, T.**, Ampadu, O. M. (2018). Effect of Rumen Content to Water Ratio in Biogas Production. *J. Appl. Sci. Environ. Manage.* Vol. 22 (8) 1257 –1262

Technical Reports

1. **Ansah, T.**, Dake, C. K. (2018). Ruminant livestock feed resource dynamics in Yagaba in the Northern Region of Ghana, IWAD/WEINCO chair report.

Abu, A.

1. **Abu, A.**, Teye, G.A. and Adzitey, F. (2019). Effects of sweet basil (*Ocimum basilicum*) leaf powder on the sensory and nutritional qualities of beef and frankfurter sausages. *UDS International Journal for Development*. Pp. 84-91
2. Ayinbila, E. D., Adzitey, F. and **Abu, A.** (2019). Nutrient composition of whole grain and processed “Niri” (*Citrullus vulgaris*) seeds. *International Journal of Food Science and Technology*. Pp. 76-79
3. Adzitey, F., **Abu, A.**, Teye, G.A., Addah, W., Adam, I. and Frimpong, E.B. (2018). Handling and Storage of Leftover Meat by Butchers in the Tamale Metropolis and Bolgatanga Municipality of Ghana. *Journal of Meat Science and Technology*. Pp. 30-35

DEPARTMENT OF VETERINARY SCIENCE**Staff**

Name	Qualification	Rank/Position
<i>Abdul-Rahman, I. I.</i>	<i>BSc., MPhil (Ghana), PhD (Glasgow)</i>	<i>Associate Professor/ HOD</i>
<i>Adzitey, F.</i>	<i>BSc. (UDS, Tamale, GH), MSc. (Bristol, UK), Pg. D (UDS, Tamale, GH) PhD (Penang)</i>	<i>Associate Professor</i>
<i>Osman Dufailu</i>	<i>BSc. (UDS, Tamale, GH), PhD (Nottingham, UK)</i>	<i>Lecturer</i>
<i>Sallah, E. K.</i>	<i>DVM, MSc (Starra Zagora)</i>	<i>Lecturer</i>
<i>Mohammed, A.*</i>	<i>BSc., MPhil (UDS, Tamale, GH)</i>	<i>Lecturer</i>

*Staff on study leave; **Staff on post retirement contract

Research Activities**Abdul-Rahman, I. I.**

- 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.

Adzitey, F.

- Microbial and chemical qualities of meat sold on Ghanaian market
- The use of local spices and herbs in the preparation and formulation of meat products
- Prevalence, antibiotic resistance and molecular characterization of foodborne/waterborne pathogens

Osman, D.

- Infectious disease, Cancer and Neurodegenerative disorders
- Zoonotic diseases and Animal health
- Host-Pathogen interaction
- Antimicrobial Resistance
- Medicinal plants

Sallah, E.K.

- Clinical, haematological and coagulation study of bovine viral diarrhoea in calves in peri-urban areas of Tamale metropolis.
- Prevalence of *TAENIA SAGINATA* in bovine at slaughter: A case study of Tamale abattoir.

Mohammed, A,

- i. Nutritional improvement of false yam (*Ipomoea batatas*) seed meal for poultry.
- ii. Evaluation of false yam tuber and seed extracts as substitute for antibiotics in poultry production.
- iii. Evaluation of false yam tuber meal in rabbit production in Ghana.

Publications

Abdul-Rahman, I. I.

1. **Abdul-Rahman, I. I.**, Angsongna, C. B. and Baba, H. (2019). Guinea fowl (*Numida meleagris*) value chain; preferences and constraints to the tertiary actor. *African Journal of Food, Agriculture, Nutrition and Development* 19(2): 14393-14414.
2. **Abdul-Rahman, I. I.**, Jeffcoate, I. A. and Obese, F. Y. (2018). Developmental changes in the anatomy of the reproductive organs, and associated steroid hormone changes in male and female guinea fowls (*Numida meleagris*). *Journal of Animal and Veterinary Science* 6: 41-49.
3. **Abdul-Rahman, I. I.** and Adams A. (2018). Heat Tolerance in Djallonke Sheep under Guinea Savannah Conditions. *Tropical Agriculture (Trinidad)* 95 (3).
4. Akapali, M., Ansah, T., **Abdul-Rahman, I.I.**, Alenyorege, B. and Baatuuwue, B.N. (2018). Seasonal changes in pasture biomass and grazing behaviour of cattle in the guinea Savanna agroecological zone of Ghana. *African Journal of Range and Forage Science* DOI: 10.2989/10220119.2018.1480526
5. **Abdul-Rahman, I. I.**, Obese, F. Y. and Robinson, J. E. (2018). Testis size and asymmetry in the guinea fowl (*Numida meleagris*): a test of the compensation hypothesis. *Avian Biology Research* 11 (2): 123-131.
6. **Abdul-Rahman, I. I.** and Nuhu, R. H. (2018). Effects of sex, birthweight, parity and maternal weight on maternal behaviour in Sahelian ewes at 48 h post-partum. *Ghanaian Journal of Animal Science* 9(1): 81-87.
7. **Abdul-Rahman, I. I.** and Jeffcoate, I. (2018). Histological structure and age-related changes in the luminal diameter of the excurrent duct system of guinea cocks (*Numida meleagris*) and associated changes in testosterone concentrations. *Canadian Journal of Veterinary Research* 82(1): 60-65.

Osman, D.

- Currie, D., Green, M., **Dufailu, O. A.**, Pitoulis, M., Soultanas, P., McCartney, E., Lester, H., Van den Eede, Liza, Apajalahti, J. & Mahdavi, J. 2018. Dietary supplementation with ferric tyrosine improves zootechnical performance and reduces caecal *Campylobacter* spp. load in poultry CBPS-2017-451, *British Poultry Science*

Mohammed, A.

- **Mohammed, A.,** Abdulai, A., Birteeb, P.T. and Hussein, S. M. A. (2018) Major causes of organ and carcass condemnations of cattle and their associated financial loss at the tamale abattoir, Ghana. UDS International Journal of Development [UDSIJD]. Volume 5 No. 1: 53-67Pp.
- **Alhassan, M.** and Mintaah, A. N. (2018). Egg laying performance of chickens fed graded levels of discarded undefatted cashew kernel (duck) meal. UDS International Journal of Development [UDSIJD]. Volume 5 No. 1: 47-52Pp.
- **Mohammed, A.** and Billa, F. S. (2018). Effect of graded levels of dietary biochar on carcass characteristics and eating quality of finisher broiler chickens. UDS International Journal of Development [UDSIJD]. Volume 5 No. 1: 41-46Pp.

DEPARTMENT OF BIOTECHNOLOGY**Staff**

Name	Qualification	Rank/Position
<i>Opoku, N.</i>	<i>BSc. (Ghana), MSc. (Wageningen, Netherlands), Ph.D., (Harper Adams)</i>	<i>Snr Lecturer</i>
<i>Quainoo, A. K.</i>	<i>BSc. (UCC, Cape Coast, Gh), MSc (Helsinki, Finland); PhD (Reading, UK); DMS (Stratford)</i>	<i>Professor /Dean</i>
<i>Saba, C. K. S</i>	<i>BSc. (UDS, Tamale, Gh), MSc, PhD (Complutense, Spain)</i>	<i>Snr Lecturer</i>
<i>Kusi, A. O.*</i>	<i>BSc. (UCC, Cape Coast, Gh), MSc. (Wolverhampton, UK), PhD. (Phitsanulok, Thailand)</i>	<i>Lecturer</i>
<i>Lydia, Q.</i>	<i>BSc. (UDS, Tamale, Gh), MSc. (Jerusalem), Ph.D. (Negev, Israel)</i>	<i>Lecturer/HOD</i>
<i>Addy, F.</i>	<i>BSc. (UDS, Tamale, Gh), MSc., (Nairobi, Kenya), PhD (Hohenheim, Germany)</i>	<i>Lecturer</i>
<i>Yahaya, D.</i>	<i>BSc. MPhil (UDS, Tamale, Gh), PhD. (Tennessee, USA)</i>	<i>Lecturer</i>
<i>Ayamdoo, J. A</i>	<i>BSc. MPhil (UDS, Tamale, Gh)</i>	<i>Asst. Lecturer</i>
<i>Maaldu, P.</i>	<i>BSc (UDS, Tamale, Gh), MSc. (New Delhi, India)</i>	<i>Asst. Lecturer</i>

*Staff on study leave; **Staff on post retirement contract

Research Interest**Quainoo, A. K.**

- Transformation of the shea tree
- Agricultural by-product utilization
- Research on False yam

Saba, C. K. S

- Isolation and Identification of microorganisms
- One Health and Molecular Approaches to Antimicrobial Resistance

Opoku, N.

- Use of virulence enhanced *Fusarium* species in the control of *Striga* species
- Morphological characterization of high-risk aflatoxin contaminated groundnuts and their related aflatoxin levels in Ghana
- Surveillance work on aflatoxin levels in groundnuts in the Northern and Upper East Regions of Ghana

Quansah, L.

- Metabolic and genetic Characterization of Bambara groundnut landraces
- Mitigating abiotic stress using biochar amendment

Addy, F.

- Molecular epidemiology of zoonotic and veterinary helminthiasis

Obeng, A. K.

- Plant biomass Conversion
- Fermentation
- Fungal Enzymes
- Bioremediation
- Bioactive compounds
- Energy plants

Yahaya, D.

- Development of drought tolerance cowpea varieties
- Development of cowpea varieties for the changing climate
- Digestibility of cowpea grains used in poultry feed preparation

Maaldu, P.

- Isolation and Molecular Characterization of Rice Blast Pathogens in the Northern part of Ghana.
- Isolation and Morphological Characterization of Brown Spot Pathogens in the Northern part of Ghana

Ayamdoo, J. A.

- Genomic studies of millet and rice for molecular breeding
- Nutritional impact of parboiling processes on some selected food stuff of the Savannah Ecology of Ghana
- Correlation of contaminated feed on egg quality of layer birds

Publications

Quainoo, A. K.

- Baba, N. A., **Quainoo, A. K.**, Cobbina, S. J., & Awuku, F. J. (2019). Inhibition of bacterial growth using false yam (*Ipomoea pes-caprae*) extract as an additive in liquid soap. *International Journal of Environmental Science and Technology*, 1-10.
- Quainoo, A. K.**, Duwiejuah, A. B., & Cobbina, S. J. (2019). Adsorption of Toxic Metals onto Eco-Friendly and Cost-Effective Shea (*Vitellaria paradoxa*) Nut Shell Biochar in Aqueous Phase. *UDS International Journal of Development*, 6(1), 72-83.
- Ibrahim, F., **Quainoo, A. K.**, & Kankam, F. (2019). Effect of Shea Nut Shell Biochar on Root Knot Nematodes (*Meloidogyne* spp.) of Tomato (*Solanum lycopersicum* L.). *Annual Research & Review in Biology* 30(2): 1-7, 2018; Article noARRB.45187 ISSN: 2347-565X, NLM ID: 101632869.
- Cobbina, S. J., Duwiejuah, A. B., & **Quainoo, A. K.** (2018). Single and simultaneous adsorption of heavy metals onto groundnut shell biochar produced under fast and slow pyrolysis. *International Journal of Environmental Science and Technology*. 0: 1-10. DOI 10.1007/s13762-018-1910-9
- Duwiejuah, A. B., Cobbina, S. J., & **Quainoo A. K.**, Abubakari A. H., & Bakobie, N. (2018). Comparative assessment of the adsorption of potentially toxic metals from mono and multi-metal systems groundnut and shea nut shell biochars. *Journal of Health and Pollution*, 8(18): 6-19, April-June, 2018.

Saba, C. K. S.

- Hendriksen et al., (2019) Global monitoring of antimicrobial resistance based on metagenomics analyses of urban sewage. *Nature Communications*. 10:1124
- Mensah G. I., Ezekiel Kofi Vicar E. K., Patrick K. Feglo, P. K., Acquah S. E. K., **Saba C. K. S.**, Ziem J. B., Addo O. S. (2019). Bacteriological Quality and Antibiotic Residues in Raw Cow Milk at Producer Level and Milk Products at Sale Points in the Northern Region of Ghana. *JTDH* 34(2): 1-10.
- Odeyemi O. A., Sani N. A., Obadina A. O., **Saba C. K. S.**, Bamidele F. A., Abughoush M, Asghar A, Dongmo F. F. D., Macer D., Aberoumand A. (2019). Food safety knowledge, attitudes and practices among consumers in developing countries: An international survey. *Food Research International*:1386-1390
- Obour P. B., Dadzie F. A., Arthur E. Munkholm L. J, **Saba C. K. S.**, Gitte H. Rubæk G. H. and Owusu K. (2018). Integration of farmers’ knowledge and science-based assessment of soil quality for peri-urban vegetable production in Ghana. *Renewable Agriculture and Food Systems*, 1-12.

Opoku, N.

Opoku N, Achaglinkame M A and Amagloh F K. (2018). Aflatoxin content in cereal-legume blends on the Ghanaian market far exceeds the permissible limits. Food security.10:6, 1539-1545

Addy, F.

Terefe Y., **Addy F.**, Alemu S., Mackenstedt U., Romig T, Wassermann M. (2019). Genetic characterization of Echinococcus species in eastern Ethiopia. *Veterinary Parasitology: Regional Studies and Reports* 17:100302. <https://doi.org/10.1016/j.vprsr.2019.100302>

Aghayan, S., Gevorgian, H., Ebi, D., Atoyan, H.A., **Addy, F.**, Mackenstedt, U., Romig, T. and Wassermann, M. (2019). Fasciola spp. in Armenia: Genetic diversity in a global context. *Veterinary Parasitology* 268:21-31. <https://doi.org/10.1016/j.vetpar.2019.02.009>

Addy, F., Romig, T. and Wassermann, M. (2018). Molecular characterisation of *Fasciola gigantica* from Ghana. *Veterinary Parasitology: Regional Studies and Reports* 14: 106-110. <https://doi.org/10.1016/j.vprsr.2018.09.009>

Yahaya, D.

Yahaya, D., Denwar, N., Mohammed, M. and Blair, M.W. (2019) Screening Cowpea (*Vigna unguiculata* (L.) Walp.) Genotypes for Enhanced N₂ Fixation and Water Use Efficiency under Field Conditions in Ghana. *American Journal of Plant Sciences*, 10, 640-658.

Yahaya, D., Denwar, N. and Blair, M.W. (2019) Effects of Moisture Deficit on the Yield of Cowpea Genotypes in the Guinea Savannah of Northern Ghana. *Agricultural Sciences, Global monitoring of antimicrobial resistance based on metagenomics analyses of urban sewage* 10, 577-595.

Obeng, A. K

Premjet, D., **Obeng, A. K.**, Kongbangkerd, A., and Premjet, S. (2019). Intergeneric Hybrid from *Jatropha curcas* L. and *Ricinus communis* L.: Characterization and Polyploid Induction. *Biology*. 8(50), 50.

Obeng, A. K., Premjet, D., and Premjet, S. (2019). Combining autoclaving with mild alkaline solution as a pretreatment technique to enhance glucose recovery from the invasive weed *Chloris barbata*. *Biomolecules*. 9(4), 120.

Obeng, A. K., Premjet, D., and Premjet, S. (2018). Fermentable sugar production from the peels of two durian (*Durio zibethinus* Murr.) cultivars by phosphoric acid pretreatment. *Resources*. 7(4), 60.

DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY**Staff**

Name	Qualification	Rank/Position
<i>Amagloh, F. K.</i>	<i>BSc. (Ghana), MSc. (KNUST, Kumasi, Gh), PhD (Massey, New Zealand)</i>	<i>Asso. Professor/ HoD</i>
<i>Mahunu, G. K.</i>	<i>BSc. (UDS, Tamale, Gh), MSc. (KNUST, Kumasi, Gh), PhD (Jiangsu, China)</i>	<i>Snr Lecturer</i>
<i>Dari, L.</i>	<i>BSc. ((UDS, Tamale, Gh), MSc. PhD (KNUST, Kumasi, Gh)</i>	<i>Snr Lecturer</i>
<i>Afoakwah, N.</i>	<i>BSc. ((UDS, Tamale, Gh), MPhil. (Ghana), PhD (Jiangsu, China)</i>	<i>Snr. Lecturer</i>
<i>Chipka, K. S.</i>	<i>BSc., MPhil. (UDS, Tamale, Gh)</i>	<i>Lecturer</i>
<i>Alhassan, M. W.</i>	<i>BSc. ((UDS, Tamale, Gh), MPhil. (KNUST, Kumasi, Gh)</i>	<i>Asst. Lecturer</i>
<i>Atuna, R. A</i>	<i>BSc. MPhil. ((UDS, Tamale, Gh)</i>	<i>Asst. Lecturer</i>

*Staff on study leave; **Staff on post retirement contract

Research Interests**Amagloh, F. K.**

- Product development including the use of biofortified crops (e.g., orange-fleshed sweetpotato, purple-fleshed sweetpotato, orange maize, soybean, *etc*).
- Postharvest handling of agro produce: cereals, legumes, roots and tuber, fruits and vegetables.

Mahunu, G. K.

- Food microbiology in food safety and quality
- Postharvest biological control (biocontrol) of diseases of perishables (fruits and vegetables)
- Postharvest plant physiology and pathology

Afoakwah, N. A.

- 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.

- Food and Agro Safety
- Postharvest handling and storage of crops

Chikpah, S. K.

- 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.

Alhassan, M. W.

- Food product development of animal and plant proteins
- Biofortification of indigenous and underutilised crops.

Atuna, R. A.

- To improve the essential nutrient content in the Ghanaian diet using biofortified food crops
- Minimising postharvest losses in food crops
- Value addition to agricultural produce to create business
- Infant nutrition

Abdul-Aziz, B.

- Profiling the nutritional composition of wild tropical edible roots and tubers
- Blending wild edible roots and tubers flours with domestic foods, to formulate products of improved nutritional quality

Publications

Amagloh, F. K.

1. Stathers, T., Low, J., **Amagloh, F.**, Carey, T., Kyalo, G., Agili, S., Nyotumba, B., Were, M., (2019). Handle with care: maintaining the quality and value of your sweetpotato roots during and after harvest through better practice. 10pp. International Potato Center, Nairobi, Kenya.
2. **Amagloh, F. K.** & Andrade, J. E. (2018). Complementary Food for Africa (ComFA) Fact Sheet.
3. Opoku, N., Achaglinkame, M. A., & **Amagloh, F. K.** (2018). Aflatoxin content in cereal-legume blends on the Ghanaian market far exceeds the permissible limit. Food Security, 20(6), 1539 - 1545. doi:<https://doi.org/10.1007/s12571-018-0849-5>
4. Alhassan, S., Atuna, R. A., Nyarko, G., Low, J. W., Carey, E. E., & **Amagloh, F. K.** (2018). Packaging containers for long-distance transport of sweetpotato [*Ipomoea batatas* (L) Lam] storage roots in Ghana. *Open Agriculture*, 3(1), 596-608.
5. **Amagloh, F. K.** (2017). From farm to mouth: Where food meets science. Everyday Science for Schools Magazine-Ghana Science Association, 6(1), 23 -24.

6. Tahir, H. E., Xiaobo, Z., **Mahunu, G. K.**, Arslan, M., Abdalhai, M. & Zhihua, L. (2019). Recent developments in gum edible coating applications for fruits and vegetables preservation: A review. *Carbohydrate Polymers*, 115141. <https://doi.org/10.1016/j.carbpol.2019.115141>
7. Tahir, H. E., Xiaobo, Z., Jianbo, X., **Mahunu, G. K.**, Jiyong, S., Xu, J.-L. & Sun, D.-W. (2019). Recent Progress in Rapid Analyses of Vitamins, Phenolic, and Volatile Compounds in Foods Using Vibrational Spectroscopy Combined with Chemometrics: A Review. *Food Analytical Methods*, 1-22. <https://doi.org/10.1007/s12161-019-01573-w>

Afoakwah N. A.

1. Nyarko, G., **Afoakwah, N. A.** and Dong, Y. (2019) Non-thermal inactivation of polyphenoloxidase from Jerusalem artichoke (*Helianthus tuberosus* L.), *UDS International Journal of Development*, 6 (1); 62 -71

Dari, L.

2. **Dari, L.**, Addo, A. and Dzisi, K.A. (2019). Determination of Pesticide Residuals in Soil and Tomato Fruits from Two Tomato Production Areas in Northern Ghana. *Ghana Journal of Science, Technology and Development*, *Accepted for publication*.
3. **Dari, L.**, Nenguwo, N. and Afari-Sefa, V. (2018). Availability, consumer acceptance and safety of some dried traditional vegetables in Tamale, Ghana. *Journal of Postharvest Technology* 6 (3): 83-86.

Alhassan, M. W.

1. **Alhassan, M. W.**, Amagloh, F. K., Ojangba, T. (2019). Development of Gluten-free Biscuit from Peanut-Pearl millet Composite Flour. *American Journal of Food Science and Technology*, vol. 7, no. 2 (2019): 40-44. doi: 10.12691/ajfst-7-2-1.
2. Sampson, G.O., Duah, N., Gyima, V. and **Alhassan M.** (2017). Preparation of Semi-dairy Yoghurt from Soy bean. *American Journal of Food Science and Technology*, 5 (1). doi: 10.12691/ajfst-5-1-1.

Atuna R. A.

1. Alhassan, S., **Atuna, R. A.**, Nyarko, G., Low, J. W., Carey, E. E., & Amagloh, F. K. (2018). Packaging containers for long-distance transport of sweetpotato [*Ipomoea batatas* (L) Lam] storage roots in Ghana. *Open Agriculture*, 3(1), 596-608.

Abdul-Aziz, B.

2. **Abdul-Aziz, B.,** Quainoo, A.K. Abubakari, A.H. Abagale F.K. (2016). Biochemical and Mineral Quality Analysis of Shea (*Vitellaria Paradoxa*) Latex. Abstract of Applied Sciences and Engineering, 2016, vol.9, DOI:10.18488/journal.1001/2016.9/1001.9.
3. Quainoo, A.K. **Abdul-Aziz, B.,** Abubakari, A.H. Abagale F.K. (2015). Effect of Agro-ecological Zones on the Proximate Composition of Shea Latex (*Vitellaria paradoxa* L) Research in plant Biology, 5(1): 16-19.

DEPARTMENT OF FAMILY AND CONSUMER SCIENCES**Staff**

Name	Qualification	Rank/Position
<i>Dzramedo, B. E.</i>	<i>PhD., B.A (KNUST, Kumasi, Gh)</i>	<i>Snr Lecturer/ HOD</i>
<i>Gamor, G.</i>	<i>BSc. (Ghana), MSc (Nsukka, Nigeria)</i>	<i>Lecturer</i>
<i>Seidu, J. A.</i>	<i>MPhil, B.Ed (UCC, Cape Coast, Gh)</i>	<i>Lecturer</i>
<i>Halidu, R.</i>	<i>M.Ed, B.Ed (UEW, Winneba, Gh)</i>	<i>Lecturer</i>
<i>Formandi, F. P.</i>	<i>B.Ed (UEW, Winneba, Gh), M.A (Hague)</i>	<i>Lecturer</i>
<i>Azupogo, F.*</i>	<i>BSc. (UDS, Tamale, Gh), MSc. (Wageningen, Netherlands)</i>	<i>Lecturer</i>
<i>Akomaning, E. L.</i>	<i>B. Ed. (UCC, Cape Coast, Gh), M Phil (UEW, Winneba, Gh)</i>	<i>Lecturer</i>

*Staff on study leave; **Staff on post retirement contract

Research Interests**Dzramedo, B. E.**

- i. Product development and maintenance in clothing and textiles
- ii. Colour fastness effects in dyeing and printing
- iii. Recycling of used papers/fibres for craft works

Seidu, J. A.

- i. Enhancing Productivity, Competitiveness and Marketing of Traditional African (Leafy) Vegetables for Improve Income and Nutrition
- ii. Issues in Hospitality Management

Gamor, G.

- i. Food and Nutrition and Related Issues.
- ii. Revamping extinction threatened indigenous foods for food and nutrition security.

Akumaning, E. L.

- i. Clothing and Textiles Education
- ii. Clothing Care and Maintenance

iii. Pattern Drafting and Adaptation

Azupogo, F.

- i. Dietary patterns and health/nutritional status
- ii. Evidence based food guidelines for vulnerable groups
- iii. Interventions for micronutrient problems in developing context

Halidu R

- i. Family Resource Management
- ii. Child and a Family Studies
- iii. Consumer Education and Consumerism

Formadi, F. P.

- i. Gender and Development
- ii. Resource Management
- iii. Food Product Development

Publications

Formadi, P.

Osei-fuah E, Gyekye A. and **Formadi P.** (2018). Financial Literacy among Undergraduate Students: Empirical Evidence from Ghana, Academy of Accounting and Financial Studies Journal, Volume 22, Issue 6.

Azupogo, F.

Boah, M., **Azupogo, F.**, Amporfro, D. A., & Abada, L. A. (2019). The epidemiology of undernutrition and its determinants in children under five years in Ghana. *PLoS ONE*, 14(7), 1–23.

Azupogo, F., Seidu, J. A., & Issaka, Y. B. (2018). Higher vegetable intake and vegetable variety is associated with a better self-reported health-related quality of life (HR-QoL) in a cross-sectional survey of rural northern Ghanaian women in fertile age. *BMC Public Health*, 28(920), 1–13. <https://doi.org/10.1186/s12889-018-5845-3>

Azupogo, F., Aurino, E., Gelli, A., Bosompem, K. M., Ayi, I., Osendarp, S. J. M., ...Folson, G. (2018). Agro-ecological zone and farm diversity are factors associated with haemoglobin and anaemia among rural school-aged children and adolescents in Ghana. *Maternal & Child Nutrition*, e12643. <https://doi.org/10.1111/mcn.12643>

Madjdian, D. S., **Azupogo, F.**, Osendarp, S., Bras, H., & Brouwer, I. (2018). Socio-cultural and economic determinants and consequences of adolescent undernutrition and micronutrient deficiencies in LLMICs: a systematic narrative review. *Ann. N.Y. Acad. Sci.*, 1416, 117–139. <https://doi.org/10.1111/nyas.13670>

Akomaning, E. L.

Forster, P., Quarcoo, R., & **Akomaning, E. L.** (2018). Teacher competency in patterndrafting lessons in senior high schools. *International Journal of Home Economics*. Volume 11 issue 1, pages 9-17.

DEPARTMENT OF AGRICULTURAL AND CONSUMER SCIENCES EDUCATION**Staff**

Name	Qualification	Rank/Position
<i>Abujaja, M. A</i>	<i>Dip. Ed, B.Ed. (UEW, Winneba, Gh.), MPhil (Ghana)</i>	<i>Snr Lecturer/HoD</i>
<i>Ibrahim, M. G.</i>	<i>B.Ed. (UCC. Cape Coast, Gh), M.A., M.A. (Ghana), Ph.D. (Keele)</i>	<i>Lecturer</i>
<i>Nyatsikor, M. K</i>	<i>B.Ed., M. Phil (UCC. Cape Coast, Gh), Ph.D. (UK)</i>	<i>Lecturer</i>
<i>Abdul Rahaman, K</i>	<i>B.Ed., M. Phil (UDS, Tamale, Gh.)</i>	<i>Assistant Lecturer</i>

Research Areas***Abujaja, M. A***

Agricultural Extension, Rural Development, Gender and Education.

Ibrahim, M. G.

Educational Leadership and Management (including Behaviour Management in schools), Teacher Professional Development, Educational policy-making and policy studies.

Nyatsikor, M.K

Educational Psychology and Achievements

Abdul Rahaman, K

Horticulture, Agriculture Science Education and Educational Research Methods

Journal Article

Abujaja, A. M., Abdulai, A. (2019). Using Effective Assessment to Improve Teaching and Learning. *Journal for Researching Education Practice and Theory*. 2(1): 1-3.

Amuriyaga, I. D., Hudu, Z. and **Abujaja, A. M.** (2018). Effectiveness of Project Method of Teaching on Agricultural Knowledge and Skills Acquisition among Agricultural Science Students of Awe Senior High School in the Upper East Region, Ghana. *World Journal of Educational Research and Reviews*. 4(1): 062-075.

FACULTY OF AGRIBUSINESS AND COMMUNICATION SCIENCES (FACS)

Introduction

The Faculty of Agribusiness and Communication Sciences (FACS) is one of the four Faculties/Schools on the Nyankpala Campus. It is the only Social Science and Humanities focused faculty on the Nyankpala campus and was created in response to the global and national repositioning of agribusiness and agro-industry, climate change as well as communication as an important growth area in the economy of nations. FACS offers two four-year academic bachelor degree programmes:

- B.Sc. Agribusiness; with specializations in the fields of
 - Agribusiness Management and Finance
 - Agricultural Extension, Rural Development and Gender Studies
 - Agricultural Resource Economics
 - Climate Change and Food Security.
- B.Sc. Social Change Communication.
- Diploma Social Change Communication

The Faculty also has five graduate level programmes, namely:

- M.Sc. Agricultural Economics
- M.Sc. Innovation Communication
- M.Sc. Integrated Rural Development
- M.Phil./Ph.D. Agricultural Economics
- M.Phil./Ph.D. Innovation Communication

Office of the Dean

Staff

Name	Qualification	Rank/Position
<i>Donkoh, S. A.</i>	<i>B.A. Dip. Ed., M.phil. (UCC, Cape Coast, Gh), Ph.D (Reading, UK)</i>	<i>Associate Professor/Dean</i>
<i>Amikuzuno, J.</i>	<i>B.Sc., M. Phil (Ghana), PhD (Goettingen, Germany)</i>	<i>Snr. Lecturer/Vice Dean</i>
<i>Asianab, P. A.</i>	<i>B.A., M.Phil (UDS, Tamale, Gh), M.A. (UCC, Cape Coast, Gh)</i>	<i>Junior Assistant Registrar/ Faculty Officer</i>

DEPARTMENT OF AGRICULTURAL AND RESOURCE ECONOMICS**Staff**

Staff Name	Qualification	Rank/Position
Awuni, J. A.	B.Sc. (UDS, Tamale, Gh), M.Sc. (Reading, UK), Ph.D. (Jiangsu, PRC)	Senior Lecturer/ Head of Dept
Donkoh, S. A.	B.A., Dip. Ed, M. Phil (UCC, Cape Coast, Gh), Ph.D. (Reading, UK)	Assoc. Prof/Dean
Ayamga, M.	B.Sc. (UDS, Tamale, Gh), M.Phil., Ph.D. (Ghana)	Senior Lecturer/ Senior Hall Tutor
Alhassan, H.	B.Sc. (KNUST, Kumasi, Gh) M.Phil., Ph.D. (Ghana)	Senior Lecturer/ Exams. Officer
Sienso, G.	B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana), Ph.D. (Texas Tech, USA)	Lecturer
*Ansah, I. G. K.	B.Sc. (KNUST, Kumasi, Gh), MSc., (Wageningen, NL)	Lecturer
Abukari, A. T.	B.A. (KNUST, Kumasi, Gh), MSc. (UiA, Kristiansand, Norway), Ph.D. (CU, Adana, Turkey)	Lecturer
Danso-Abbeam, G.	B.Sc. (Ghana), M.Phil. (KNUST, Kumasi, Gh), Ph.D. (UKZN, SA)	Lecturer
Mabe, F. N.	B.Sc., M.Phil. (Ghana), PhD (UDS, Tamale, Gh)	Lecturer/QA Officer
*Setsoafia, E. D.	B.Sc., M.Phil.(Ghana)	Lecturer
*Ehiakpor, D. S.	B.Sc. (KNUST, Kumasi, Gh), M.Phil. (Ghana)	Lecturer
Kudadze, S.	B.Sc., M.Phil. (UDS, Tamale, Gh)	Lecturer

*PhD candidate

Publications/Chapter in a Book and Papers**Awuni, J. A.**

Donkoh, S.A, Azumah, S.B and **Awuni, J.A** (2019) Adoption of Improved Agricultural Technologies among Rice Farmers in Ghana: A Multivariate Probit Approach *Ghana Journal of Development Studies*, Vol. 16 (1) 46-47.

Azumah, S.B, Donkoh, S.A and **Awuni, J.A** (2019). Correcting for Sample Selection in Stochastic Frontier Analysis: Insights from rice farmers in Ghana. *Agricultural and Food Economics* 7(9).

Abdallah A-H, Ayamga M. & **Awuni J.A.** (2019) Impact of agricultural credit on farm income under the Savanna and Transitional zones of Ghana *Agricultural Finance Review* 79 (1) 60-84.

Abdul-Hanan A, Ayamga, M., **Awuni, J.A.**, and Donkoh, S.A (2018). The Reality of Market Inefficiencies and Technology Adoption Nexus: Evidence from Sub-Saharan Africa *Int. J. Agricultural Resources, Governance and Ecology*, Vol. 14, No. 3, 2018

Ali, E. B., **Awuni, J. A.**, & Danso-Abbeam, G. (2018). Determinants of fertilizer adoption among smallholder cocoa farmers in the Western Region of Ghana. *Cogent Food & Agriculture*, 4 (1), 1538589

Donkoh, S. A.

- Abdual-Rahaman, M, **Donkoh, S.A**, Ansah, I. G.K and Yahaya, I (2019). Contract Farming and Adoption of Improved Maize Production Technologies in Northern Region, Ghana. In Masafumi Nagao, Jewette Masinja, Amin Alhassan Sustainable Development in Africa: Case Studies Spears Media Press, USA.
- Ehiakpor, D., **Donkoh, S.A.** and Al-Hassan, S. (2018) The Welfare Impact of USAID-ADVANCE Intervention Program: Evidence from ACDEP Facilitation in Northern Ghana. In Alhassan, A., Agbenorhevi, M and Ibrahim, A. (ed) Agriculture in Ghana today: Some critical topics for policy Making.
- Olayide, O.E, **Donkoh, S.A**, Ansah, G.K, Adzawla, W.A, O’Reilly, P.J., Mayes, S, Feldman, A., Halimi, R.A., Nyarko, G., Ilori, C.O. and Alabi, T. (2018) Assessing Socioeconomic Factors Influencing Production and Commercialization of Bambara Groundnut as an Indigenous Climate Resilient Crop in Nigeria. In W. Leal Filho (ed.), Handbook of Climate Change Resilience.
- Lambongang, M, Ansah, I. G.K and **Donkoh, S.A** (2019). Participation and Yield Effect of Ghana’s Planting for Food and Jobs Programme in Bunkpurugu-Yunyoo District Ghana. *Journal of Agricultural Economics and Agribusiness*, Vol. 2 (1)
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- Abukari, I, **Donkoh, S.A** and Ehiakpor, D.S (2019). Perceived Quality Characteristics Influencing Households’ Preference for Local and Imported Rice and Their Effect on Price in the Northern Region, Ghana. *Ghana Journal of Development Studies*, Vol. 16 (1) 135-154.
- Azumah, S.B, **Donkoh, S.A** and Awuni, J.A (2019). Correcting for Sample Selection in Stochastic Frontier Analysis: Insights from rice farmers in Ghana. *Agricultural and Food Economics*.
- Amfo, B., Ansah, I. G.K and **Donkoh, S.A** (2018) The Effects of Income and Food Safety Perception on Vegetable Expenditure in the Tamale Metropolis, Ghana. *Journal of Agribusiness in Developing and Emerging Economies*.
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Ayamga, M.

- Khalid, M-A., **Ayamga, M.** and Danso-Abbeam, G. (2019). Assessing the Productive Efficiency among Smallholder Cowpea Farmers in Northern Ghana. *UDS International Journal of Development Studies* 6(1): 44-61.
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Alhassan, H.

- Ibrahim, N., Mensah, K.T., **Alhassan, H.**, Adzawla, W and Adjei-Mensah, C. (2019). Analysis of smallholder farmers’ perceptions on climate change, preference and willingness-to-pay for seasonal climate forecasts information in Savelugu Municipality, Ghana. *Asian Journal of Environment and Ecology*, 9(1), 1-11.
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- Kwakwa, P.A. and **Alhassan, H.** (2018). The effect of energy and urbanisation on carbon dioxide emission: evidence from Ghana. *OPEC Energy Review*, 42(4), 277- 402.
- Alhassan, H.** and Kwakwa, P.A. (2018). An investigation into the determinants of hydropower generation in Ghana. *Presbyterian University College of Ghana (PUCG) Applied Research Journal*, 4(1): 31-46.
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- Boateng, V.F., Abubakari, H and **Alhassan, H.** (2018). Willingness to Pay and Entrepreneurial Prospect of Estate Landscaping in the Tamale Metropolis in the Northern Region of Ghana. *Ghana Journal of Horticulture*, 13(1), 99-104.

Ansah, I. G. K.

- Abdul-Rahman, M., Donkoh, S. A., **Ansah, I. G. K.**, & Yahaya, I. (2019). Contract Farming and Adoption of Improved Maize Production Technologies in Northern Region, Ghana. *Sustainable Development in Africa: Case Studies*, 121.

- Olayide, O. E., Donkoh, S. A., **Ansah, I. G. K.**, Adzawla, W., O’Reilly, P. J., Mayes, S., et al. (2018). Assessing Socioeconomic Factors Influencing Production and Commercialization of Bambara Groundnut as an Indigenous Climate Resilient Crop in Nigeria. In W. Leal Filho (Ed.), *Handbook of Climate Change Resilience* (pp. 1-19). Cham: Springer International Publishing.
- Amfo, B., **Ansah, I. G. K.**, & Donkoh, S. A. (2019). The Effects of Income and Food Safety Perception on Vegetable Expenditure in the Tamale Metropolis, Ghana. *Journal of Agribusiness in Developing and Emerging Economies* 9, 276-293.
- Cobbinah, M. T., Donkoh, S. A., & **Ansah, I. G. K.** (2018). Consumers’ willingness to pay for safer vegetables in Tamale, Ghana. *African Journal of Science, Technology, Innovation and Development*, 1-12.
- Lambongang, M, **Ansah, I. G.K** and Donkoh, S.A (2019) Participation and Yield Effect of Ghana’s Planting for Food and Jobs Programme in Bunkpurugu-Yunyoo District Ghana. *Journal of Agricultural Economics and Agribusiness*, Vol. 2 (1)
- Kudadze, S.**
- Kudadze S.**, Imoru A. J. and Adzawla W. (2019). Farmers’ perception on irrigation farming and the factors influencing access to and size of irrigable lands in Northern Region, Ghana. *Asian Food Science Journal*, 8(3): 1-14.
- Abukari, A. T.**
- Abukari, A. T.** and Alemdar, T. (2019). Measuring the Technical and Cost Efficiencies of Maize Farming in the Northern Region of Ghana: Deterministic and Stochastic Approaches. *Agricultural Socio-Economics Journal (AGRISE)*, 19(1), 47-64.
- Mabe, F. N.**
- Mabe, F. N.** (2018). Gendered Effects of Allocative Efficiency of Rice Production in Ghana. In Alhassan, A., Agbenorhevi, M. and Ibrahim, A. (Eds), *Agriculture in Ghana Today: Some Critical Topics for Policy Making*, (pp. 118-135), Faculty of Agribusiness and Communication Sciences, University for Development Studies.
- Mabe, F. N.**, Danso-Abbeam, G. and Ehiakpor, D.S. (2018). Assessment of Implementation of Planting for Food and Jobs (PFJ) Programme: Lessons and Ways Forward. In Alhassan, A., Agbenorhevi, M. and Ibrahim, A. (Eds), *Agriculture in Ghana Today: Some Critical Topics for Policy Making*, (pp. 35-56).
- Sulemana, N., Mumuni, E. and **Mabe, F. N.** (2018). Rural-Urban Linkages and Impact of Large -Scale Land Acquisition in Africa: A Review in Kapfudzaruwa, F., Kudo, S., Mfunne, O., Hansen, M. and Nyerere, J. (Eds), *Rural-Urban Linkages and Sustainable Development Africa* (pp. 55-75), Spears Media Press.

- Konja, D. T., **Mabe, F. N.** and Oteng-Frempong (2019). Profitability and profit efficiency of certified groundnut seed and conventional groundnut production in Northern Ghana: A comparative analysis, *Cogent Economics & Finance* (2019), 7: 1-20
- Nketiah, P., Ayamga, M. and **Mabe, F. N.** (2019). Land Deals and Small-Scale Intensive Farming Decisions, *Review of Agricultural and Applied Economics*, 22 (2) 18-25,
- Mabe, F. N.**, Nashiru, S., Mumuni, E. and Boateng, V. F. (2019). The nexus between land acquisition and household livelihoods in the Northern region of Ghana, *Land Use Policy*, 85 (2019), 357-367
- Mabe, F. N.**, Ehiakpor, D. S., Adam, B. and Dumasi, D. E. (2018). Determinants of Adoption of Improved Rice Varieties: Effects on Output in Volta Region, *UDS International Journal of Development*, 5 (2), 28-37.
- Mabe, F. N.**, Donkoh, S. A. & Al-hassan, S. (2018). Accounting for Rice Productivity Heterogeneity in Ghana: The Two-Step Stochastic Metafrontier Approach. *International Journal of Agricultural and Biosystems Engineering* 12(8), 223 -232.
- Danso-Abbeam, G.**
- Mabe, F. N., **Danso-Abbeam, G.** and Ehiakpor, D. S. (2018). Assessment of Implementation of Planting for Food and Jobs (PFJ) Programme: Lessons and Ways Forward. In Alhassan, A., Agbenorhevi, M. and Ibrahim, A. (Eds), *Agriculture in Ghana Today: Some Critical Topics for Policy Making*, (pp. 35-56).
- Danso-Abbeam, G.** & Baiyegunhi, L.J.S (2019). Does Fertilizer Use Improve Household Welfare? Evidence from Ghana’s Cocoa Industry. *Development in Practice*, 29(2): 170-182
- Baiyegunhi, L.J.S, Hassan, M.B., **Danso-Abbeam, G.** & Orthman, G.F. (2019). Diffusion and Adoption of Integrated Striga Management Technologies among Smallholder Maize Farmers in Rural Nigeria. *Technology in Society*, 56:109-115.
- Khalid, M-A., Ayamga, M. and **Danso-Abbeam, G.** (2019). Assessing the Productive Efficiency among Smallholder Cowpea Farmers in Northern Ghana. *UDS International Journal of Development Studies* 6(1): 44-61.
- Danso-Abbeam, G.**, Ehiakpor, D.S. & Aidoo, R. (2018). Agricultural Extension and its Effects on Farm Productivity and Income: Insight from Northern Ghana. *Agriculture and Food Security*, 7:74.
- Ali, B.E., Awuni, J.A. & **Danso-Abbeam, G.** (2018). Determinants of Fertilizer Adoption among Smallholder Farmers in the Western of Ghana. *Cogent Food and Agriculture*.

Ehiakpor, D. S.

- Ehiakpor, D. S.**, Donkoh, A. S., and Amikuzuno, J. (2018). The welfare Impact of ADVANCE-USAID Intervention Programme: Evidence from ACDEP Facilitation in Northern Ghana In Alhassan, A., Agbenorhevi, M. and Ibrahim, A. (Eds), *Agriculture in Ghana Today: Some Critical Topics for Policy Making*, pp. 35-56.
- Mabe, F. N., Danso-Abbeam, G. and **Ehiakpor, D. S.** (2018). Assessment of Implementation of Planting for Food and Jobs (PFJ) Programme: Lessons and Ways Forward. In Alhassan, A., Agbenorhevi, M. and Ibrahim, A. (Eds), *Agriculture in Ghana Today: Some Critical Topics for Policy Making*, (pp. 35-56).
- Danso-Abbeam, G., **Ehiakpor, D.S.** & Aidoo, R. (2018). Agricultural Extension and its Effects on Farm Productivity and Income: Insight from Northern Ghana. *Agriculture and Food Security*, 7:74.
- Mabe, F. N., **Ehiakpor, D. S.**, Adam, B. and Dumasi, D. E. (2018). Determinants of Adoption of Improved Rice Varieties: Effects on Output in Volta Region, *UDS International Journal of Development*, 5 (2), 28-37
- Abukari, I, Donkoh, S.A and **Ehiakpor, D.S** (2019). Perceived Quality Characteristics Influencing Households’ Preference for Local and Imported Rice and Their Effect on Price in the Northern Region, Ghana. *Ghana Journal of Development Studies*, Vol. 16 (1) 135-154

DEPARTMENT OF COMMUNICATION, INNOVATION, AND TECHNOLOGY**Staff**

Name	Qualification	Rank/Position
<i>Ayelazuno, J. A.</i>	<i>BA, (Ghana), MA (Sussex, UK), PhD (York)</i>	<i>Senior Lecturer (HoD)</i>
<i>Alhassan, A.</i>	<i>M.A. (Tampere, Finland), Ph.D. (Montreal, Canada)</i>	<i>Assoc. Professor</i>
<i>Mashoud, M. A.</i>	<i>BSc. (KNUST, Kumasi, Gh), M.A. Ph.D (Indiana)</i>	<i>Lecturer</i>
<i>Mumuni, E.</i>	<i>M.Sc (UDS, Tamale, Gh), PhD (Nottingham, UK)</i>	<i>Lecturer</i>
<i>Sumbo, D.</i>	<i>B.Sc., M.Phil. (Ghana)</i>	<i>Lecturer</i>
<i>*Mohammed, F.</i>	<i>B. Sc (UDS, Tamale, Gh), M. Phil (Ghana)</i>	<i>Lecturer</i>
<i>*Mohammed, S.</i>	<i>B.Sc. (UDS, Tamale, Gh), MPhil (Ghana)</i>	<i>Lecturer</i>
<i>*Mohammed, A.</i>	<i>B.A (Ghana), MA (Norway)</i>	<i>Lecturer</i>
<i>Shaibu, A.</i>	<i>B.A., M. Phil (Ghana)</i>	<i>Asst. Lecturer</i>
<i>*Amadu, M. F.</i>	<i>B.A., M. Phil (UDS, Tamale, Gh)</i>	<i>Assistant Lecturer</i>
<i>Chentiba, A. T.</i>	<i>B.A (UDS, Tamale, Gh), M.Phil (UEW, Winneba, Gh)</i>	<i>Assistant Lecturer</i>
<i>Ibrahim, R.</i>	<i>B.A, M.Phil (Tamale)</i>	<i>Assistant Lecturer</i>

*Staff on study leave

Publications

Ayelazuno, Jasper Abembia

Book:

Ayelazuno, J. A. (2019). *Neoliberal Globalisation and Resistance from Below: Why the Subalterns Resist in Bolivia and not in Ghana*. Abingdon: Routledge:

Edited Work:

Ayelazuno, J. A. (ed) (2019). *Land Governance for Extractivism and Capitalist Farming in Africa*. Special Issue of *Land Use Policy*, Volume 81C, pp. 843-928.

Journal Article:

Ayelazuno, J. A. (2019). *Electoral Democracy and the Attenuation of Subaltern Resistance in Ghana: Why Democracy is increasingly becoming a Poisoned Chalice in Africa*. *IAS Journal: Nokoko* Vol. 7, pp. 47-77.

Ayelazuno, J. A., Mawuko-Yevugah, L., and Akonor, A. (2019). *The Petrochemicals Industry and Land/Ocean Grabs in Ghana: Interrogating the Role of the Ghanaian Neoliberal State*. *Greenhill Journal of Leadership and Governance (GJLG)* Vol 1, No1: 119-143.

Ayelazuno, J. A. and Mawuko-Yevugah, L. (2019). *Large-scale Mining and Ecological Imperialism: The Politics of Mining and Ecological Preservation in Ghana*. *Journal of Political Ecology*, Vol. 26, pp. 244-262.

Ayelazuno, J. A. and Mawuko-Yevugah, L. (2019). *Development Failures in Ghana, Development Miracles in Asia: Whither the Africa Rising?* *African and Asian Studies* 18: 124-152.

Alhassan, Amin

Edited Work:

Masafumi Nagao, Jewette Masinja & **Alhassan, A.,** (eds) (2019) *Sustainable Development in Africa*. Denver CO: Spear Media Press (pp 280)

Alhassan, A., Maxwell Agenorhevi, & Alabira Ibrahim (eds) *Agriculture in Ghana today: Some critical topics for policy making*. Accra, Ghana: Agricultural Policy Support Project (pp. 253)

Journal Article:

Alhassan, A., & Muhammed Abdulai (2019). *Managing Ethical Dilemmas under Stressful Economic Circumstances among Journalists in Northern Ghana* *Athens Journal of Mass Media and Communications*-Volume 5 (3) Pages 193-212

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- Alhassan, A.**, Bismark K. Anyarayer & Amadu M. Faisal (2019) “Access to improved sanitation facilities and female school attendance: A study of Savelugu Municipality of Ghana” *Journal of Arts and Humanities* Vo. 8 (1) pp.56 – 67.
- Alhassan, A.**, Felix Odartey-Wellington & Abdul-Fatawu Shaibu (2019) Media under Siege: When Civil Society Actors Use Violence to Gag the Media in Ghana’s Northern Region. *Review of Journalism and Mass Communication*. Vol. 7 (1) pp. 1 – 11
- Amadu, M.F., Mohammed, A.M., **Alhassan, A.** and Mohammed, F. (2018). Assessment of newspaper circulation and readership in northern Ghana. *UDS International Journal of Development*. Vol.5, No.2., pp. 108-120.

Book Chapter:

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- Sidik Sulemana & **Alhassan, A.** (2018). The role and effectiveness of mobile phone technology on agricultural extension service delivery in Northern Region of Ghana. In A. Alhassan, M. Agenorhevi, and A. Ibrahim (eds) *Agriculture in Ghana today: Some critical topics for policy making*. Accra, Ghana: Agricultural Policy Support Project (pp. 137 – 159)
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Mumuni, Eliasu

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Abdulai, Muhammed

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DEPARTMENT OF CLIMATE CHANGE AND FOOD SECURITY**Staff**

Name	Qualification	Rank/Position
<i>Kasei, R.</i>	<i>B.Sc., MPhil.(Ghana), PhD (Bonn)</i>	<i>Snr. Lecturer/Head of Dept</i>
<i>Amikuzuno, J.</i>	<i>B.Sc., M. Phil (Ghana), PhD (Goettingen, Netherlands)</i>	<i>Snr. Lecturer/ Vice Dean</i>
<i>Dittoh, J. S.</i>	<i>B.Sc., M.Sc. (Ibadan, Nigeria), PhD (Ibadan, Nigeria)</i>	<i>Professor</i>
<i>Osman, T. D.</i>	<i>B. Sc. (UIDS, Tamale, Gh), M. Phil., PhD (Turkey)</i>	<i>Lecturer</i>
<i>Seini, Y. A.</i>	<i>B.Sc., M.Sc., (KNUST, Kumasi, Tamale)</i>	<i>Lecturer</i>
<i>Issahaku, G.</i>	<i>B. Sc., M.Phil. (UCC, Cape Coast, Gh), PGCE (KNUST, Kumasi, Gh)</i>	<i>Lecturer</i>
<i>*Daadi, B. E.</i>	<i>B.Sc., M. Phil., (Ghana)</i>	<i>Lecturer</i>
<i>Alidu, A.</i>	<i>B.Sc., PGDE (UEW, Winneba, Gh), M. Phil.</i>	<i>Lecturer</i>
<i>Nabilse, C. K.</i>	<i>B. Sc. (UIDS, Tamale, Gh)</i>	<i>Lecturer</i>

*Staff on study leave

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DEPARTMENT OF AGRICULTURAL EXTENSION, RURAL DEVELOPMENT AND GENDER STUDIES (AERDGS)

Staff

Name	Qualification	Rank/Position
Hamza, A.	B. Sc. (UDS, Tamale, Gh), M.Phil. (Ghana), Ph.D. (Reading, UK)	Snr. Lecturer/ HoD
Obeng, F. K	B.Sc., Dip.Ed. M.Phil. (UCC, Cape Coast, Gh), Ph.D. (Amsterdam)	Assoc. Professor
Walata, Y.	Dip. (Ghana), M. Sc., Ph. D. (London)	Lecturer
Adraki, P. K.	B. Sc. (UDS, Tamale, Gh), M. Sc. (Wageningen, Netherlands)	Lecturer
Lolig, V.	B. Sc. (UDS, Tamale, Gh), M.Phil. (Ghana)	Lecturer
Seini, A	B. Sc. (UDS, Tamale, Gh), M.Phil. (UCC, Cape Coast, Gh)	Lecturer
Hudu, Z.	B. Sc. (UDS, Tamale, Gh), M.Phil. Ph.D.(Ghana)	Snr. Lecturer
Sulemana, N	B. Sc., (UCC, Cape Coast, Gh), M.Sc., Ph. D (Wageningen, Netherlands)	Lecturer
Yussif, K.	B.Sc.,M. Phil. (UDS, Tamale, Gh)	Asst. Lecturer

*Staff on study leave

Publications

H. Adam

H. Adam & H. Osbahr (2019). Factors Influencing Rural Livelihood Diversification

Activities among Women in Northern Region of Ghana. *International Journal of Agricultural Science, Research and Technology in Extension and Education*. Vol 9, Issue 1.

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Mohammed, F.

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DEPARTMENT OF AGRIBUSINESS MANAGEMENT AND FINANCE**Staff**

Name	Qualification	Rank/Position
Yeboah, R. W. N	BSc. MSc. (Ibadan, Nigeria) PhD (Ghana)	Snr. Lecturer
Issaka,* Y, B.	BSc. (UDS, Tamale, Gh) MPhil (Wageningen, Netherlands)	Snr. Lecturer
Ayambila, S. N.	BSc. (UDS, Tamale, Gh) MPhil PhD (Ghana)	Lecturer
Boateng, F. V.	BSc. (UDS, Tamale, Gh) MPhil (Kumasi) PhD (Tamale)	Lecturer
Akuriba, M. A.	BSc. (UDS, Tamale, Gh) MPhil (Ghana)	Lecturer
Abdul-Rahaman, A.	BSc., MPhil (Ghana)	Lecturer
*Abdallah, H.	BSc (UDS, Tamale, Gh) MPhil (UDS, Tamale, Gh)	Lecturer

*Staff on study leave

Publications**Yeboah, R. W. N**

Osamu Saito, Yaw Agyeman Bofo, Godfred Seidu Jawasw, Effah Kwabena Antwi, ShoyamaKikuko, Gordana Kranjac-Berisavljevic, **Richard Wilfred Nartey Yeboah**, Francis Obeng, Edwin A. Gyasi, and Kazuhiko Takeuchi (2018). The Ghana Model for Resilience Enhancement in Semiarid Ghana: Conceptualization and Social Implementation. In Osamu Saito, Gordana Kranjac-Berisavljevic Kazuhiko Takeuchi, Edwin A. Gyasi, (Ed) Strategies for Building Resilience against Climate and Ecosystem Changes in Sub-Saharan Africa. Springer pp 11-37

Apuswin Mercy Abarike, **Richard Wilfred Nartey Yeboah**, and Israel Kwame Dzomeku (2018) Strategies of Farmers in the Bawku West District of Ghana to Mitigate the Impacts of Climate Change on Farming. In Osamu Saito, Gordana Kranjac-Berisavljevic Kazuhiko Takeuchi, Edwin A. Gyasi, (Ed) Strategies for Building Resilience against Climate and Ecosystem Changes in Sub-Saharan Africa. Springer pp 217-235

Yeboah, Adelina Mensah, Chris Gordon, and Kazuhiko Takeuchi (2018).

Internationalization and Localization of the Ghana Model: Lessons Learned, Opportunities for Upscaling and Future Directions. In Osamu Saito, Gordana Kranjac-Berisavljevic Kazuhiko Takeuchi, Edwin A. Gyasi, (Ed) Strategies for Building Resilience against Climate and Ecosystem Changes in Sub-Saharan Africa. Springer pp 333-343

Benjamin Tetteh Anang and **Richard W. N. Yeboah** (2019) Determinants of Off-Farm Income among Smallholder Rice Farmers in Northern Ghana: Application of a Double-Hurdle Model Advances in Agriculture Volume 2019, Article ID 7246176, 7 pages Hindawi <https://doi.org/10.1155/2019/7246176>

Kwaku Dei Antwi, Conrad Power Lyford and **Richard Yeboah Nartey** (2018) Analysis of Food Security among Cocoa Producing Households in Ghana. *Journal of Agriculture and Sustainability* ISSN 2201-4357 Volume 11, Number 2, 2018, pp 129-144

Ayambila S. N.

Sylvester Nsobire Ayambila (2018). Gender Differences in Non-Farm Micro and Small Enterprise Financial Performance in Ghana. *The Business and Management Review*, Vol. 10, No.1, pp. 126-137.

Issaka, B. Y.

Book chapter

Yakubu Balma Issaka (2018). Non-timber Forest Products, Climate Change Resilience, and Poverty Alleviation in Northern Ghana. Book chapter in: Strategies for Building Resilience against Climate and Ecosystem Changes in Sub-Saharan Africa. Osamu Saito, Gordana Kranjac-Berisavljevic Kazuhiko Takeuchi, Edwin A. Gyasi (Eds). Springer Nature, 2018.

Gandaa, B.Z, Kranjac-Berisavljevic, G., Balma, Y and Abubakari, S (2018). Ecosystem Management on Large-scale Irrigation Landscapes in Northern Ghana. *International Journal of Irrigation and Agricultural Development*. Vol. 1 No.1, December, 2017

Fusta Azupogo, Judith A. Seidu and Yakubu Balma Issaka (2018). Higher vegetable intake and vegetable variety is associated with a better self-reported health-related quality of life (HRQoL) in a cross-sectional survey of rural northern Ghanaian women in fertile age. *BMC Public Health* (2018) 18:920. <https://doi.org/10.1186/s12889-018-5845-3>.

Boateng, V. F.

Mabe, F. N., Mumuni, E., Sulemana, N., and **Boateng, V. F.** (2019). The nexus between land acquisition and household livelihoods in the Northern region of Ghana. *Land Use Policy*, Vol. 85 (1), pp. 357-367

Abdul-Rahaman, A

Book Chapter

- Abdul-Rahaman, A.** (2019). Examining the Profitability, Financial Efficiency and Constraints Among cotton farmers in Ghana, in Kwong Fai Andrew Lo (ed) *Current Perspectives to Economics and Management*, Book Publisher International. Vol. 1, 30-41. Peer-Reviewed Journal Articles
- Abdulai, A-N., and Abdul-Rahaman, A. (2019). Does Conservation Agriculture Technology reduce Farm Household Poverty? Evidence from Rural Zambia. *African Journal of Science, Technology, Innovation and Development*, <https://doi.org/10.1080/20421338.2019.1634913>.
- Issahaku, G. and **Abdul-Rahaman, A.** (2019). Sustainable land management practices, off-farm work participation and vulnerability among farmers in Ghana: Is there a nexus? *International Soil and Water Conservation Research*, 7, 18-26.
- Abdul-Rahaman, A.**, and Abdulai, A. (2018). Do farmer groups impact on farm yield and efficiency of smallholder farmers? Evidence from rice farmers in northern Ghana, *Food Policy*, 81, 95-105.
- Abdallah H and **Abdul-Rahaman, A.** (2017). Technical Efficiency of Maize farmers in Ghana, Stochastic frontier approach. *International Journal of Innovation and Scientific Research*. 29(2): 110-118.
- Abdul-Rahaman, A** (2016). Stochastic frontier analysis of technical efficiency, insights from smallholder cotton farmers in the Northern Region of Ghana. *Global Journal of Agricultural Economics, Extension and Rural Development*, 4(1): 361-367.
- Abdul-Rahaman, A.** (2016). Analysis of Financial Efficiency and Constraints of Smallholder Cotton Farmers in the Northern Region of Ghana. *British Journal of Economics, Management and Trade*. 12(4): 1-11.
- Abdallah H and **Abdul-Rahaman, A.** (2016). Determinants of access to agricultural extension services: evidence from smallholder rural women in Northern Ghana. *Asian Journal of Agricultural Extension, Economics and Sociology*, 9(3): 1-8.
- Abdul-Rahaman, A** and Abdallah H (2016). Empirical investigation of technical efficiency of smallholder women farmers in Northern Ghana: Stochastic Frontier Approach. *British Journal of Economics, Management and Trade*, 13(1): 1-16.

Akuriba, M. A

- Dittoh, S. and **Akuriba, M. A.** (2018). Africa’s Looming Food and Nutrition Insecurity Crisis – A Call for Action” *Ghana Journal of Agricultural Economics and Agribusiness* Vol. 1 (1). pp. 148 -170.
- Wongnaa, C. A., **Akuriba, M. A.**, Ebenezer, A., Danquah, K. S., & Ofosu, D. A. (2019). Profitability and constraints to urban exotic vegetable production systems in the Kumasi metropolis of Ghana: a recipe for job creation. *Journal of Global Entrepreneurship Research*, 9(1), 33.

Research Projects

Yeboah, R. W. N

“Small farms, small food businesses and sustainable food security” Project acronym:

SALSA Grant Agreement Number: 677363 EU funded Programme, Horizon 2020, hosted in University of Evora, Portugal 2016 – 2020.

Enhancing agricultural productivity and market opportunities for smallholder farmers with a special focus on female smallholder farmers in Northern Ghana. Focus on Soybean with female farmers. Texas Tech. University/MoFA/UDS project 2017-2019 UDS/AGRA Youth in Agriculture Project: “Enhancing the Capacities of Agricultural College Graduates towards Participation in “Youth in Agriculture” Programme Grant No.: 2014 SHP 009. 2015 - 2019

Ayambila, S. N.

Research Team Member: Small farms, Small food businesses and Sustainable food security (SALSA) Research and Innovation Action. European Commission, 2016. An EU Project with the Universidade de Évora (U Évora), Portugal.

Issaka, B. Y.

Team Member: Co-innovations across scales to enhance sustainable intensification, resilience, and food and nutritional security in water-managed agricultural systems in West Africa (WAGRINOVA)

Boateng, V. F.

Awareness of the global agenda to end hunger by 2030 and its effects on farming practices of smallholders in the northern region of Ghana.

FACULTY OF NATURAL RESOURCES AND ENVIRONMENT

Introduction

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. Its core mandate includes teaching, research, and extension services. Thus, training the needed manpower for sustainable management and utilization of the country’s savanna ecosystems and its natural resources in general for national development.

Academic Departments

Currently, the Faculty has four (4) departments as follows:

- Department of Biodiversity Conservation and Management
- Department of Forestry and Forest Resources Management
- Department of Ecotourism and Environmental Management
- Department of Fisheries and Aquatic Resources Management

Student population

Prograamme	Male	Female	Total
Diploma in Natural Resources Management	40	32	72
BSc Renewable Natural Resources Management	136	65	201
BSc Fisheries and Aquaculture Technology	3	0	3
MPhil Fisheries	2	0	2
Total	181	97	278

Faculty Staff Strength

The Faculty has staff strength of 48 comprising 33 Academic Senior Members, 1 Administrative Senior Member, 12 Senior Staff and 2 Junior Staff.

Office of the Dean

Staff

Name	Qualification	Rank/Position
<i>Alhassan, E. H.</i>	<i>B.Sc., (UDS, Tamale, Gh), M.Phil., PhD (Ghana)</i>	<i>Assoc. Professor /Dean</i>
<i>Cobbina, S. J.</i>	<i>B.Sc. (UCC, Cape Coast, Gh), M.Phil. (Ghana), PhD (Jiangsu-China)</i>	<i>Snr. Lecturer/Vice Dean</i>
<i>Tang, F. Z.</i>	<i>B.A, MPhil. (UDS, Tamale, Gh)</i>	<i>Asst. Registrar/Faculty Officer</i>

Research Interest Areas

Alhassan, E. H.

- Impacts of climate variability and change on fishery-based livelihood
- The contribution of wetlands to food security and livelihood improvement

- Stock assessment of inland fisheries

Cobbina, S. J.

- Water Quality Monitoring and Assessment
- Human Health Risk Assessment
- Emerging Toxicants and Pollution Control

Tang, F. Z.

- Development Planning and Administration
- Human Resource Development and Management
- Workplace Safety and Management

Collaborations

The Faculty within the year under review and through the Department of Ecotourism and Environmental Management instituted the 3-year Mr. Nantogma Foundation for its best graduating female student.

The Faculty has had a lot of collaborations and continues to seek new ones. It has also carried out a number of research and development activities aimed at conserving and managing renewable natural resources in some local communities within its catchment area.

Personalities who visited the Faculty during the period

Date of Visit	Name of Visitor/Team	Institution	Purpose
18/09/18	Ahmed D. Nantogmah	Ghana Chamber of Mines	For a Seminar
23/04/19	Jinliang Zhao	Shanghai Ocean Uni.	Collaboration
23/04/19	Yan Zhao	Shanghai Ocean Uni.	Collaboration
23/04/19	Shoujie Tang	Shanghai Ocean Uni.	Collaboration

DEPARTMENT OF FORESTRY AND FOREST RESOURCES MANAGEMENT**Staff**

Name	Qualification	Rank/Position
<i>Baatuuwie, N. B.</i>	<i>BSc. (UDS, Tamale Ghana), MSc (KNUST/ITC, Kumasi, Gh/ Enschede, Nertherlands), PhD (KNUST, Kumasi, Gh)</i>	<i>Snr Lecturer/HOD</i>
<i>Husseini, R.</i>	<i>BSc. (UDS, Tamale, Gh.), MSc. (KNUST, Kumasi, Gh), PhD (UCC, Cape Coast, Gh)</i>	<i>Snr. Lecturer/Faculty TTFPP Coordinator</i>
<i>Tom-Dery, D.</i>	<i>BSc. (Ghana), MSc, PhD. (Univ. Hamburg, Germanay)</i>	<i>Snr. Lecturer</i>
<i>Asante, W. J.</i>	<i>BSc., Dip Ed (UCC, Cape Coast, Gh), MSc. (KNUST, Kumasi, Gh)</i>	<i>Snr. Lecturer/Exams Officer</i>
<i>Ochire-Boadu, K.</i>	<i>BSc., Dip Ed (UCC, Cape Coast, Gh), MSc. (KNUST, Kumasi, Gh)</i>	<i>Snr. Lecturer/QA officer</i>
<i>Issifu, H.</i>	<i>BSc. (UDS, Tamale, Gh), MSc. (Wageningen, Netherlands)</i>	<i>Lecturer</i>
<i>Abukari, A.</i>	<i>BSc. (UDS, Tamale, Gh) MSc. (KNUST, Kumasi, Gh)</i>	<i>Assistant Lecturer</i>
<i>Nasare, L. I</i>	<i>BSc., MPhil. (UDS, Tamale, Gh)</i>	<i>Assistant Lecturer</i>

*Staff on study leave

Programmes Offered

- BSc. Renewable Natural Resources

Research Interest Areas**Baatuuwie, N. B.**

- Mapping and monitoring of natural resources using GIS and Remote Sensing
- Plantation Forestry development and management
- Climate change and land use management

Husseini, R.

- Social forestry in general
- Collaborative management of forest and natural resources (with emphasis on forest reserves and sacred sites)
- Forest health and Wood protection

Tom-Dery, D.

- Global change and plant growth
- Plant ecophysiology

- Population Structure of *Parkia biglobosa* and *Vitellaria paradoxa*
- Afforestation of degraded lands in Arid Northern Ghana

Asante, W. J.

- Land use Management
- Agroforestry
- Natural Resource Extension and Education
- Farming Systems Research

Ochire-Boadu, K.

- Fallow Studies
- Leave nutrient yield studies
- Decomposition and mineralization studies

Issifu, H

- Vegetation change across forest-savanna boundaries
- Responses of forest and savanna tree species to climate change
- Tree-grass interactions

Abukari, A.

- Decomposition and nutrient release pattern of agroforestry trees
- Biochar production and use
- Ethnobotany

Nasare, L. I.

- Effect of bushfires on natural regeneration
- Pollination ecology of *Vitellaria paradoxa*
- Restoration ecology

Publications

Baatuuwie, N. B

1. **Baatuuwie, N. B.**, Nasare, L. I., Smaila, A., Issifu, H. and Asante, W. J. (2019). Effect of seed pre-treatment and its duration on germination of *Detarium microcarpum* (Guill. and Perr.). *African Journal of Environmental Science and Technology*, Vol. 13 No. 8, pp. 317 -323.
2. Amoah, M. C., Issifu, H., Tom-Dery, D., Hussein, R., **Baatuuwie, N. B**, Ochire-Boadu, K. and Asante, J. W. (2019). Logging effects of illegal chainsaw milling and conventional logging in Krokosua Hills Forest Reserve, Ghana. *International Journal of Conservation Science*, Vol. 10, No. 1, pp. 177-186.

3. Tiika, J. R., Issifu, H., **Baatuuwie, N. B.**, Nasare, L. I. and Hussein, R. (2019). Seed quality, germinability and initial growth of *Pterocarpus erinaceus* (African Rosewood). How important are mother tree size, source and timing of fruit harvest? *Journal of Forest and Environmental Science*. Vol. 35, No. 2, pp. 69-77.

Hussein, R.

1. Amoah, M. C., Issifu, H., Tom-Dery, D., **Hussein, R.**, Baatuuwie, N. B, Ochire-Boadu, K. and Asante, J. W. (2019). Logging effects of illegal chainsaw milling and conventional logging in Krokosua Hills Forest Reserve, Ghana. *International Journal of Conservation Science*, Vol. 10, No. 1, pp. 177-186.
2. Tiika, J. R., Issifu, H., Baatuuwie, N. B., Nasare, L. I. and **Hussein, R.** (2019). Seed quality, germinability and initial growth of *Pterocarpus erinaceus* (African Rosewood). How important are mother tree size, source and timing of fruit harvest? *Journal of Forest and Environmental Science*, Vol. 35, No. 2, pp. 69-77

Tom-Dery, D.

1. **Tom-Dery, D.**, Jensen, K. and Reisdorff, C. (2019). Shea (*Vitellaria paradoxa* C.F.Gaertn.) seedlings recovery after fire. *Forests, Trees and Livelihoods*, Vol 13 No.11, pp. 1-7.
2. Amoah, M. C., Issifu, H., **Tom-Dery, D.**, Hussein, R., Baatuuwie, N. B, Ochire-Boadu, K. and Asante, J. W. (2019). Logging effects of illegal chainsaw milling and conventional logging in Krokosua Hills Forest Reserve, Ghana. *International Journal of Conservation Science*. Vol. 10, No. 1, pp. 177-186.
3. **Tom-Dery, D.**, Eller F., Fromm J., Jensen K. and Reisdorff, C. (2018) Elevated CO₂ does not offset effects of competition and drought on growth of shea (*Vitellaria paradoxa* C.F. Gaertn.) seedlings. *Agroforestry System*
4. **Tom-Dery D.**, Eller F., Jensen, K. and Reisdorff, C. (2018) Effects of elevated carbon dioxide and climate change on biomass and nutritive value of Kyasuwa (*Cenchrus pedicellatus* Trin.). *Journal of Applied Botany and Food Quality*, Vol. 91, pp. 88-95.

Asante, W. J.

1. Baatuuwie, B.N., Nasare, L. I., Smaila, A., Issifu H. and **Asante, W.J.** (2019). Effect of seed pre-treatment and its duration on germination of *Detarium microcarpum* (Guill. and Perr.). *African Journal of Environmental Science and Technology*, Vol. 13 No. 8, pp. 317 -323.
2. Amoah, M. C., Issifu, H., Tom-Dery, D., Hussein, R., Baatuuwie, N. B, Ochire-Boadu, K. and **Asante, J. W.** (2019). Logging effects of illegal chainsaw milling and

conventional logging in Krokosua Hills Forest Reserve, Ghana. *International Journal of Conservation Science* Vol. 10, No. 1, pp. 177-186.

Ochire-Boadu, K.

1. Amoah, M. C., Issifu, H., Tom-Dery, D., Hussein, R., Baatuuw, N. B, **Ochire-Boadu, K.** and Asante, J. W. (2019). Logging effects of illegal chainsaw milling and conventional logging in Krokosua Hills Forest Reserve, Ghana. *International Journal of Conservation Science*, Vol. 10, No. 1, pp. 177-186.

Issifu, H.

1. **Issifu, H.**, Ametsitsi, G. K. D., de Vries, L. J., Djagbletey, G. D., Adu-Bredu, S., Vergeer, P., van Langevelde, F. and Veenendaal, E. (2019). Variation in vegetation cover and seedling performance of tree species in a forest-savanna ecotone. *Journal of Tropical Ecology*, Vol. 35. pp. 74-82.
2. Baatuuw, B. N., Nasare, L. I., Smaila, A., **Issifu H.** and Asante, W. J. (2019). Effect of seed pre-treatment and its duration on germination of *Detarium microcarpum* (Guill. and Perr.). *African Journal of Environmental Science and Technology*, Vol. 13, No. 8, pp. 317 -323.
3. Amoah, M. C., **Issifu, H.**, Tom-Dery, D., Hussein, R., Baatuuw, N. B, Ochire-Boadu, K. and Asante, J. W. (2019). Logging effects of illegal chainsaw milling and conventional logging in Krokosua Hills Forest Reserve, Ghana. *International Journal of Conservation Science*, Vol. 10, No. 1, pp. 177-186.
4. Abukari, A., Abunyewa, A. A., and **Issifu, H.** (2018). Effect of rice husk biochar on nitrogen uptake and grain yield of maize in the Guinea savannah zone of Ghana. *UDS International Journal of Development*, Vol. 5 No. 2, pp.1-6.
5. Tiika, J. R., **Issifu, H.**, Baatuuw, N. B., Nasare, L. I. and Hussein, R. (2019). Seed quality, germinability and initial growth of *Pterocarpus erinaceus* (African Rosewood). How important are mother tree size, source and timing of fruit harvest? *Journal of Forest and Environmental Science*, Vol. 35, No. 2, pp. 69-77.

Abukari, A.

1. Abukari, A. (2019). Influence of rice husk biochar on water holding capacity of soil in the savannah ecological zone of Ghana. *Turkish Journal of Agriculture -Food Science and Technology*, Vol. 7, No. 6, pp. 888-891
2. Abukari, A. (2019). Contribution of agroforestry to improving food security in the Sagnarigu district of northern Ghana. *Agriculture and Forestry Journal*, Vol. 3, No. 1, pp. 1-5

3. **Abukari, A.**, Abunyewa, A. A., and Issifu, H. (2018). Effect of rice husk biochar on nitrogen uptake and grain yield of maize in the Guinea savannah zone of Ghana. *UDS International Journal of Development*, Vol. 5, No. 2, pp.1-6.

Nasare, L. I

1. Baatuuwiew, B.N., **Nasare, L. I.**, Smaila, A., Issifu H. and Asante, W. J. (2019). Effect of seed pre-treatment and its duration on germination of *Detarium microcarpum* (Guill. and Perr.). *African Journal of Environmental Science and Technology*, Vol. 13, No. 8, pp. 317-323.
2. Tiika, R. J., Issifu, H., Baatuuwiew, B. N., **Nasare, L. I.** and Hussein, R. (2019). Seed quality, germinability and initial growth of *Pterocarpus erinaceus* (African Rosewood). How important are mother tree size, source and timing of fruit harvest? *Journal of Forest and Environmental Science*, Vol. 35, No. 2, pp. 69-77.

DEPARTMENT OF ECOTOURISM AND ENVIRONMENTAL MANAGEMENT

Staff

Name	Qualification	Rank/Position
Doke, D. A.	BA (UDS, Tamale, Gh), M.Phil. (Ghana), Ph.D (UAB, Al, USA)	Senior Lecturer/HOD
Cobbina, S. J.	B.Sc. (UCC, Cape Coast, Gh), M.Phil. (Ghana), Ph.D. (JU, Jiangsu, China)	Senior Lecturer/Vice Dean
Kuuder, C. J. W.	B.Sc, M.Phil. (UCC, Cape Coast, Gh), Ph.D(UCC, Cape Coast, Gh)	Senior Lecturer/Exam Officer
Adongo, R.	B.Sc. (UCC, Cape Coast, Gh), M.A. (UoW, London), Ph.D.(HKPU, Hong Kong)	Snr Lecturer/Fac. Exams Officer
Amoako,*E. E.	B.Sc. (UDS, Tamale Gh), M.Sc. (KNUST, Kumasi, Gh)	Lecturer
Asare,*W.	B.Sc. (UDS, Tamale Gh), M.Sc. (KNUST, Kumasi, Gh)	Lecturer
Baligi, B. Y. D.	B.Sc. (UDS, Tamale, Gh), M.A (Ghana)	Lecturer
Bakobie, N.	B.Sc. (KNUST, Kumasi, Gh), M.Sc. (UNESCO-IHE, Delft, Netherlands)	Lecturer
Imoro, Z. A.	B.Ed (UEW, Winneba, Gh), MSc. (KNUST, Kumasi, Gh)	Lecturer/Dept QA Officer
Quansah, P. E.	B.Sc., M.Phil. (UCC, Cape Coast, Gh)	Assistant Lecturer
Poku, G	B.A (KNUST, Kumasi, Gh), M.Phil. (UCC, Cape Coast, Gh)	Assistant Lecturer
Duwiejuah, A. B.	B.Sc. M.Phil. (UDS, Tamale, Gh)	Assistant Lecturer

*Staff on study leave

Programmes Offered

- MSc/MPhil/PhD Environmental Management And Sustainability

- BSc Renewable Natural Resources
- BSc Environmental Management And Sustainability
- BSc. Ecotourism and Hospitality Management

Research Interest Areas

Doke, D. A.

- Environmental management
- Human health risk assessment
- Climate change mitigation and adaptation

Cobbina, S. J.

- Water Quality Monitoring and Assessment
- Human Health Risk Assessment
- Emerging Toxicants and Pollution Control

Kuuder, C. J. W.

- Sustainable Tourism Development
- Agri-tourism development
- Human Resource management in Tourism and Hospitality

Adongo, R.

- Events Management
- Hospitality Management
- Tourism Management

Asare,* W. B.

- Solid Waste Management and Environmental Sanitation
- Environmental Quality Assessment
- Environmental Impact Assessment and Control

Baligi, B. Y. D.

- Natural Resource Law Policy and Administration
- Natural Resource economics
- Environmental Economics

Bakobie, N.

- Water supply and treatment technologies
- Water, Sanitation and Hygiene
- Hydrology and hydrogeochemistry

Imoro, Z. A.

- Applied Microbial Remediation Technologies (MFCs, MDCs, Contaminant clean ups)
- Waste management Technologies
- Environmental Sanitation Technologies

Quansah, P. E.

- Hospitality facility management
- Tourism risk and disaster management
- Tourism administration and legal framework

Poku, G

- Ecotourism/ Agro tourism
- Safety and Security
- Accommodation

Duwiejuah, A. B.

- Biochar production and utilisation
- Environmental remediation
- Microbial contamination, and bacterial toxins

Publications

Doke, D. A.

1. Diawuo, F., Kosoe E. A., **Doke, D. A.** (2019). Participation of women farmers in agroforestry practices in the Jaman South Municipality, Ghana, *Ghana Journal of Development Studies*, Vol 16, No 2, pp. 267-289

Cobbina, S. J.

1. Akuffo, A., **Cobbina, S. J.** and Aboka, E. Y. (2019). Knowledge and perception of the public and pump attendants on the siting of fuel stations in the Tamale Metropolis. *UDS International Journal of Development*, Vol. 6, pp. 102-112.
2. Amadu Baba, N., Quainoo, A. K., **Cobbina, S. J.**, Awuku, F. (2019). Inhibition of bacterial growth using false yam (*Ipomoea oliviformis*) extract as an additive in liquid soap. *International journal of Environmental Science and Technology*, doi: 10.1007/s13762-019-02382-8.
3. Abakari, G., Adusei, A. and **Cobbina, S. J.** (2019). Microbial Quality of Soups Served With “Tuo-Zaafi” Vended in the Central Business District of the Tamale Metropolis. *Journal of Food & Industrial Microbiology*, doi: 10.4172/2572-4134.1000129

Kuuder, C. J. W.

1. Folusade C. A, **Kuuder C-J. W.**, & Entsua-Mensah, M. R. E. (2019). Perceptions on Benefits of Ecotourism Development by Residents of Fringe Communities to Two National Parks in West Africa. *American Journal of Tourism Management*, 8(1), 8-18. DOI: 10.5923/j.tourism.20190801.02

Adongo, R.

1. **Adongo, R.**, Kim, S. S., & Elliot, S. (2019). “Give and take”: A social exchange perspective on festival stakeholder relations. *Annals of Tourism Research*, Vol.75, 42-57.
2. **Adongo, R.** and Kim, S.S. (2018). Whose festival is it anyway? Analysis of festival stakeholder power, legitimacy, urgency, and the sustainability of local festivals. *Journal of Sustainable Tourism*, Vol.26 No.11, 1-27.

Asare,* W.

1. Apania, A. C, **Asare W** and Denteh S.N, (2019). Comparative Assessment of the Sanitary Conditions of Some Food Service Joints: A Case Study in the Tamale Metropolis. *International Journal of food and Nutrition*, Vol. 1, No 1, pp1- 27
2. **Asare, W.**, Gyan R, and Denteh, S.N. (2019). Knowledge and Perception of Tertiary Students on Open Defecation: Case in the Tamale Metropolis of Ghana. *International Journal of Social and political Science* Vol. 2, No 1, pp 149 – 162.

Bakobie, N.

1. **Bakobie N**, Sulemana A and Duwiejuah A.B. (2018). Assessment of Hospital Liquid Waste Management in Public and Private Hospitals in Tamale Metropolis, Ghana. *Journal of Waste Management and Disposal* vol. 1, No. 1, pp.1 – 7.

Imoro, Z. A.

1. **Abubakari, Z. I.**, Mensah, M., Buamah, R., Abaidoo, R. C. (2019). Assessment of the Electricity Generation, Desalination and Wastewater Treatment Capacity of a Plant Microbial Desalination Cell (PMDC). *International Journal of Energy and Water Resources*. doi: 10.1007/s42108-019-00030-y

Duwiejuah, A. B.

1. Quainoo, A. K., **Duwiejuah, A. B.** and Cobbina, S. J. (2019). Adsorption of Heavy Metals onto Eco-friendly and Cost-effective Shea Nut Shell Biochar in Aqueous Phase. *UDS International Journal of Development [UDSIJD]*, Vol. 6, no. 1, pp. 72-83.

2. Bakobie, N., Sulemana, A. and **Duwiejuah, A. B.** (2018). Assessment of Hospital Liquid Waste Management in Public and Private Hospitals in Tamale Metropolis, Ghana. *Journal of Waste Management and Disposal*, Vol. 1, no. 1, pp. 1-7.

DEPARTMENT OF FISHERIES AND AQUATIC RESOURCES MANAGEMENT

Staff

Name	Qualification	Rank/Position
Ampofo-Yeboah, A.	BSc (KNUST, Kumasi, Gh), MPhil (UCC, Cape Coast, Gh), PhD (Stellenbosch., SA)	Senior Lecturer/ HOD
Alhassan, E. H.	BSc (UDS, Tamale, Gh), MPhil, PhD (Ghana)	Associate Professor/ Dean
Akongyuure, D. N.	BSc (UDS, Tamale, Gh), MPhil (Ghana), PhD (KNUST, Kumasi, Gh)	Senior Lecturer/ Exam Officer
Abarike, E. D.	BSc (UDS, Tamale, Gh), MPhil (UCC, Cape Coast, Gh), PhD (Guangdong, China)	Lecturer/QA
Ayisi, C. L.	BSc (UDS, Tamale, Gh), MSc, PhD (Shanghai, China)	Lecturer/Seminar Coordinator
Atindana, S. A.	BSc (UDS, Tamale, Gh), MPhil (UCC, Cape Coast, Gh)	Lecturer
Abobi*, S. M.	BSc (UDS, Tamale, Gh), MSc (Bremen, Germany)	Lecturer

*Staff on study leave

Programmes Offered

- MPhil Fisheries Science
- BSc Fisheries and Aquaculture Technology

Research Interest

Ampofo-Yeboah, A.

- Use of Phytomedicine / Phytochemicals/Phytoestrogens in Aquaculture
- Fish Reproductive Physiology & Nutrition
- Genetic Resources for use in Aquaculture, Fishery and Conservation

Alhassan, E. H.

- Impacts of climate variability and change on fishery-based livelihood
- The contribution of wetlands to food security and livelihood improvement
- Stock assessment of inland fisheries

Akongyuure, D. N.

- Fish stock assessment
- Livelihood assessment of fishing communities
- Reservoir fisheries enhancement

Abarike, E. D.

- Fish nutrition
- Assessment of water quality in aquatic systems
- Fish diseases and immunology (immunostimulant study)

Ayisi, C. L.

- Fish nutri-genomics
- Fish genetics
- Fish breeding

Atindana, S. A.

- Ecology of fresh and brackish water fish
- Climate variability and small scale artisanal fisheries
- Bio monitoring of tropical wetland systems

***Abobi, S. M.**

- Trophic networks of reservoir systems
- Single species fish stock assessment
- Inland fisheries production and harvest estimates

Publications

Ampofo-Yeboah, A.

1. Atindana, S. A., Fagbola, Ajani, O. E., Alhassan, E. H. and **Ampofo-Yeboah, A.** (2019). Coping with climate variability and non-climate stressors in the West African Oyster (*Crassostrea tulipa*) fishery in coastal Ghana. *Maritime Studies*, Vol. 18, pp. 1 - 12.

Alhassan, E. H.

1. Kuebutornye, F. K. A., Akongyuure, D. N. and **Alhassan E. H.** (2019). Morphometric characteristics and feeding habits of five commercial fish species of the Libga Reservoir in the Northern Region of Ghana. *International Journal of Oceanography and Aquaculture*, Vol. 3, No. 2, pp. 1-9.
2. Kombat, E. O., Angyiereyiri, E. D. and **Alhassan, E. H.** (2019). Length-weight relationship and condition factor of three Cichlids from the Tono Reservoir, Ghana. *African Journal of Tropical Hydrobiology and Fisheries*, Vol 17, No. 1, pp 1-8.
3. Atindana, S. A., Fagbola, Ajani, O. E., **Alhassan, E. H.** and Ampofo-Yeboah, A. (2019). Coping with climate variability and non-climate stressors in the West African Oyster (*Crassostrea tulipa*) fishery in coastal Ghana. *Maritime Studies*, Vol. 18, pp. 1 - 12.

4. **Alhassan, E. H.**, Agbeko, E., Kombat, E. O. and Kpordzaxor, Y. (2018). Ectoparasite infestation of Nile Tilapia (*Oreochromis niloticus*) in cage culture at Mpakadam, Ghana. *Ethiopian Journal of Environmental Studies & Management*, Vol. 11, No. 5, pp. 514 – 525.
5. Doku, B. K. N., Chen, S., **Alhassan, E. H.**, Abdullateef, Y. and Mizanur, M. R. (2018). Fisheries resources of Ghana: present status and future direction. *International Journal of Fisheries and Aquatic Research*. Vol. 3, No. 4, pp. 35-41.

Akongyuure, D. N.

Kuebutornye, F. K. A. **Akongyuure, D. N.** and Alhassan E. H. (2019). Morphometric characteristics and feeding habits of five commercial fish species of the Libga Reservoir in the Northern Region of Ghana. *International Journal of Oceanography and Aquaculture*, Vol. 3, No. 2, pp. 1-9.

Abarike, E. D.

1. Kuebutornye, F. K. A., Lu, Y., **Abarike, E. D.**, Wang, Z., Li, Y., and Sakyi, M. E. (2019). In vitro assessment of the probiotic characteristics of three *Bacillus* species from the gut of Nile Tilapia, *Oreochromis niloticus*. *Probiotics and Antimicrobial Proteins*. pp. 13.
2. Kuebutornye, F. K. A., **Abarike, E. D.** and Yishan, L. (2019) A review on the application of *Bacillus* as probiotics in aquaculture. *Fish and Shellfish Immunology*, Vol. 87: pp. 820-828.
3. **Abarike, E. D.**, Jian J, Tang J, Jia C., Huang Y. and Chen. L (2019). Traditional Chinese medicine (TCM) enhances growth, immune response, and resistance to *Streptococcus agalactiae* in tilapia, *Oreochromis niloticus*. *Aquatic Animal Health Journal*, pp. 1-10.
4. **Abarike, E. D.**, Jian, J., Tang, J., Jia C., Yishan, L. and Huang, Y. (2018). Characterization and expression of NADPH oxidase genes in stimulated splenic neutrophils of tilapia by a mix of traditional Chinese medicine and *Bacillus* species (TCMBS). *Aquaculture Research*, pp. 1-13.

Ayisi, C. L.

1. Apraku, A., Huang, H., **Ayisi, C. L.** and Yusuf, A. (2019). Potential of corn oil as alternative dietary lipid source in aquaculture feeds. *Journal of Applied Science*, Vol. 19, pp. 156-165.
2. **Ayisi, C. L.**, Zhao, J. and Apraku, A. (2019). Consequences of replacing fish oil with vegetable oils in fish. *Journal of Animal Research and Nutrition*, Vol. 4, No.1: 3.

3. Apraku, A., Huang, H., Yusuf, A., **Ayisi, C. L.** and Asiedu, B. (2019). Impact of dietary oil replacement on muscle and liver enzymes activity, histomorphology and growth-related genes on Nile tilapia. *Comparative Biochemistry and Physiology*, Vol. Part C 223, No. 2019, pp.15-25.
4. **Ayisi, C. L.**, Zhao, J-L., and Xueming, H. (2018). Replacing fish oil with palm oil: Effects on mRNA expression of fatty acid transport genes and signalling factors related to lipid metabolism in *Oreochromis niloticus*. *Aquaculture Nutrition*, Vol. 24, No. 6, pp. 1822-1833.
5. Liu, T. Z., Feng, G., Kong, Y., **Ayisi C.L.**, Huang, H. and Hua, X. (2018). Dietary soybean antigen impairs growth and health through stress-induced non-specific immune responses in Pacific white shrimp, *Litopenaeus vannamei*. *Fish and Shellfish Immunology*, Vol. 84, No. 2019, pp. 124-129
6. Apraku, A., Huang, H. and **Ayisi, C. L.** (2018). Effects of alternative dietary oils on immune response, expression of immune-related genes and disease resistance in juvenile Nile tilapia, *Oreochromis niloticus*. *Aquaculture Nutrition*, Vol. 25, No. 3, pp. 597-608.

Atindana, S. A.

1. Atindana, S. A., Fagbola, Ajani, O. E., **Alhassan, E. H.** and Ampofo-Yeboah, A. (2019). Coping with climate variability and non-climate stressors in the West African Oyster (*Crassostrea tulipa*) fishery in coastal Ghana. *Maritime Studies*, Vol. 18, pp. 1 - 12.

***Abobi, S. M.**

1. **Abobi S.M.**, Mildenerberger, T., Kolding, J., and Wolff, M. (2019). Assessing the exploitation status of fisheries resources in Ghana’s reservoirs based on reconstructed catches and length-based bootstrapping stock assessment method. *Lake and Reservoir Management*.
2. **Abobi S.M.**, Oyiadzo, J.W., and Wolff, M. (2019). Comparing feeding niche, growth characteristics and exploitation level of the Giraffe catfish *Auchenoglanis occidentalis* (Valenciennes, 1775) in the two largest man-made lakes of Northern Ghana. *African Journal of Aquatic Science*.

DEPARTMENT OF BIODIVERSITY CONSERVATION AND MANAGEMENT**Staff**

Name	Qualification	Rank/Position
Weobong, C. A.	B.Sc., M.Sc. (KNUST, Kumasi, Gh), PhD (UDS, Tamale, Gh)	Senior Lecturer/HoD
Imoro, A. Z.	B.Sc. (UDS, Tamale, Gh, MPhil (UCC, Cape Coast, Gh, PhD (KNUST, Kumasi, Gh)	Departmental Quality Assurance Officer
Annorbah, N. N. D.	B.Sc., M.Phil. (Ghana), Ph.D. (Manchester Metropolitan UK)	Lecturer/ Departmental Exams Officer
Aikins, T. K.	B.Sc., MPhil (UDS, Tamale, Gh), MPhil (Ghana)	Lecturer
Lawer*, E. A.	B. Sc., M.Sc. (UDS, Tamale, Gh)	Assistant Lecturer

*Staff on study leave

Research Interest Areas, Publications and Technical Reports**Weobong, C. A**

- Indigenous wildlife management
- Inventory and assessment of wildlife and its resources in protected and non-protected areas.
- Climate change and its impacts on wildlife resources and their management
- Human-wildlife conflict management

Publications

1. **Weobong C. A. et al.** (2019). Sustainable, participatory and integrated management of protected areas, peripheral territories and corridors of the complex formed by PoNaSi (Burkina Faso), Comoé (Côte d'Ivoire) and Mole (Ghana), for economic development that respects ecosystems. A proposal submitted to the EU.
2. **Weobong C. A. et al.** (2019). Reorganising mob hunting activities for sustainable biodiversity management using participatory grassroot approaches. West Africa Biodiversity and Climate Change Program (WA BiCC) call.

Imoro, A. Z.

1. **Ziblim A. I, Oppong S. K., Danquah E. and Collins A. N.** (2019). Feed intake and animal preference rating of indigenous forage shrub species in the Savanna ecosystem of Ghana. *Livestock Research for Rural Development*, 31(7).

Research Interests**Imoro, A. Z.**

- Nutritional quality of indigenous forage plants on community rangelands in Northern Ghana
- Land use and biodiversity conservation on community rangelands
- Rangeland soil quality improvement

Annorbah, N. N. D.

Research Interest Areas

- Tropical Wildlife Ecology and Conservation
- Conservation Ecology of Flagship Avian Species including African Parrots, Hornbills, Vultures and other Raptors
- Impacts of Selective Logging on Forest Birds
- Ecological Field Research Techniques
- Environmental Impact Assessment

Publications

1. Holbech, L. H., **Annorbah, N. N. D.**, Phalan, B. and Arcilla, N. (2018). Uncontrolled hunting and habitat degradation decimate and extirpate forest hornbills in Ghana, West Africa. *Biological Conservation*. Vol. 223, pp. 104-111.
2. Kenyenso, S. Y. and **Annorbah, N. N. D.** (2019). Distribution and population estimate of the Hooded Vulture *Necrosyrtes monachus* in the Western Region of Ghana.
3. **Annorbah, N. N. D. et al.** (2019). Sustainable, participatory and integrated management of protected areas, peripheral territories and corridors of the complex formed by PoNaSi (Burkina Faso), Comoé (Côte d'Ivoire) and Mole (Ghana), for economic development that respects ecosystems. A proposal submitted to the EU for a restricted call.

Aikins, T. K.

Research Interest Areas

- Cost benefit analysis of the interaction between colonial birds and their host vegetation
- Species diversity and habitat use of birds in Northern Ghana.
- Human disturbances and waterbirds responses in conservation sites.

Publications

1. **Aikins, T.K.**, Gbogbo, F. & Owusu, E.H., (2018), Seasonal variation in species richness and abundance of waterbirds in Mole National Park, Ghana: Implication for conservation and ecotourism, *Koedoe* 60(1), a1466. <https://doi.org/10.4102/koedoe.v60i1.1466>

Lawer, E. A.

Research Interest Areas

- Influence of disturbance (anthropogenic) on population structure and distribution patterns of small mammals.
- Illegal Wildlife Use and Protected Area Management in Ghana.

SCHOOL OF ENGINEERING (SoE)

Introduction

The School of Engineering (SoE) with a vision “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” strives to promote practical and hands-on training of its students.

The School has three (3) Academic Departments and two Centres but currently runs two academic programmes of study i.e. BSc. Mechanical Engineering and BSc. Agricultural Engineering.

Departments

- Department of Agricultural Engineering (DAE)
- Department of Mechanical and Industrial Engineering (DMIE)
- Department of Water, Waste and Environmental Engineering (DAWWE)
- West Africa Centre for Water, Irrigation and Sustainable Agriculture (WACWISA)
- Energy Technology Center (ETC)

Energy Technology Centre (ETC)

The Energy Technology Centre is in its formative stages with wide expectations and aspirations. It is to create an effective organizational framework for collaborative development in the area of renewable and conventional energy technologies. It shall also organize and coordinate the expertise in practice-oriented academic research and training in energy policy, renewable and conventional energy technologies, and energy management and conservation.

One of the key mandates is to explore and develop the renewable energy resources at our disposal. The Centre seeks to establish strategic alliance, promote resource sharing and cooperation with the Energy Resource Centres and other training and research institutions in Ghana, and elsewhere outside the borders of Ghana. ETC is a virtual centre and has no permanent staff, but seeks to draw its personnel from the entire University depending on what/where the project needs would come from.

Academic Programmes

1. BSc. Agricultural Engineering with options in
 - Irrigation and Drainage Engineering
 - Farm Power and Machinery Engineering
 - Soil and Water Conservation Engineering

- Food and Post-Harvest Engineering
- 2. BSc. Mechanical Engineering with options in

Automotive Engineering

1. Thermo-Fluids & Energy Engineering
2. Applied Mechanics Engineering
3. Design and Production Engineering

Dean’s Office

Staff

Name	Qualification	Rank/Position
Abagale, F. K	BSc. (UDS, Tamale, Gh), MSc. PhD (KNUST, Kumasi, Gh)	Assoc. Professor / Dean
Mohammed A.	BA, MA (Ghana)	Snr. Assistant Registrar / School Officer

DEPARTMENT OF MECHANICAL AND INDUSTRIAL ENGINEERING

Staff

Name	Qualification	Rank/Position
Seini, I.Y.	BSc. (KNUST, Kumasi, Gh), MSc (Sheffield, UK), PhD (UDS, Tamale, Ghana)	Assoc. Professor/Vice Dean/HoD)
Abankwa, O. E	BSc. MSc. (KNUST, Kumasi, Gh)	Lecturer/School Exam Officer
Boadu, M. K.	BSc. MSc. (KNUST, Kumasi, Gh)	Asst. Lecturer/DQA Officer

*Staff on study leave

Seini I.Y.

Research Interest: Heat Transfer; CFD; System Modeling and Control; Energy Systems

Publications

1. **IY Seini** (2019), Heat and mass transfer from a convectively heated vertical surface with chemical reaction and internal heat generation, *Engineering Transactions* 67 (1), 101–118
2. CJ Etwire, **IY Seini**, M Rabi, OD Makinde (2019) Impact of Thermophoretic Transport of Al₂O₃ Nanoparticles on Viscoelastic Flow of Oil-Based Nanofluid over a Porous Exponentially Stretching Surface with Activation, *Energy Engineering Transactions* (in press)
3. **IY Seini**, G Aloliga B Ziblim, OD Makinde (2019), The Flow of Casson Fluid on Exponentially Stretching Porous Surface with Radiation, *Engineering Fluid Flows and Heat Transfer Analysis* (in press)

4. CJ Etwire, **IY Seini**, M Rabi, OD Makinde (2019). Cross-Diffusion Effects over a Porous Nonlinear Stretching Surface in a Viscoelastic Oil-Based Nanofluid. *Computational Analysis of Heat Transfer in Fluids and Solids II* (in press)

Abankwa, O. E

Research Interest: Stress Analysis; Vibrations Control; Dynamical Systems

Publications

1. Boadu, M.K., **Abankwa, E.O.**, & Anaba, L.A. (2018). Prediction of Chip Morphology for Aluminum Metal Matrix Composites in End Milling Machining. *International Journal of Engineering Science and Technology*, 10(10), 268–274.

Boadu, M. K.

Research Interest: Factorial Design; Stress Analysis; Structural Mechanics

Publications

1. **Boadu, M. K.**, Abankwa, E.O., & Anaba, L.A. (2018). Prediction of Chip Morphology for Aluminum Metal Matrix Composites in End Milling Machining. *International Journal of Engineering Science and Technology*, 10(10), 268–274.

DEPARTMENT OF AGRICULTURAL ENGINEERING

Staff

Name	Qualification	Rank/Position
Shaibu, A. G.	BSc. (UDS, Tamale, Gh), MSc. PhD (KNUST, Kumasi, Gh)	Assoc. Professor /HoD
Abagale, F. K	BSc. (UDS, Tamale, Gh), MSc. PhD (KNUST, Kumasi, Gh)	Assoc. Professor/Dean
Anaba L. A.	BSc. (KNUST, Kumasi, Gh), MSc. (Makere , Uganda)	Asst. Lecturer/QA Officer

*Staff on study leave

Shaibu, A. G.

Research Interest:

- Exploring options for water savings in dry season irrigated rice production in the context of future climate change
- Research into water resources development and management
- Hydrological research in surface and groundwater modelling in Watersheds.

Publications

Journal Article

1. Agbemabiese, Y. K., **Shaibu A-G.**, Gbedzi, V. D. (2018). Effects of Irrigation Regime on Soil Properties and Yield of Onion at Bontanga Irrigation Scheme of Northern Ghana. *International Journal of Irrigation and Agricultural Development (IJIRAD)*. 2(1): 152-167, 2018
2. **Shaibu A-G.**, Ishikawa, H. (2018). Evaluating the Effect of Absolute and Barometric Pressures on Borehole Performance in Tolon and Wa West Districts of Northern Ghana. *International Journal of Irrigation and Agricultural Development (IJIRAD)*. 2(1): 163-176, 2018

Anaba, L. A.

Research interest:

Publications:

1. Boadu, M. K., Abankwa, E. O., & **Anaba, L. A.** (2018). Prediction of Chip Morphology for Aluminum Metal Matrix Composites in End Milling Machining. *International Journal of Engineering Science and Technology*, 10(10), 268–274.
2. Kiggundu, N., **Anaba, L. A.**, Banadda, N., Wanyama, J., & Kabenge, I. (2018). Assessing land use and land cover changes in the Murchison Bay Catchment of Lake Victoria Basin in Uganda. *Journal of Sustainable Development*, 11(1), 44–55. <https://doi.org/10.5539/jsd.v11n1p44>

DEPARTMENT OF WATER, WASTE AND ENVIRONMENTAL ENGINEERING

Staff

Name	Qualification	Rank/Position
Abagale, F. K.	BSc. (UDS, Tamale, Ghana), MSc. PhD (KNUST, Kumasi, Gh)	Assoc. Professor/Dean
Issahaku, M.	BSc. MSc. (KNUST, Kumasi, Gh)	Asst. Lecturer
Osei, R. A.	BSc. MSc. (UDS, Tamale, Gh)	Asst. Lecturer

*Staff on study leave

Abagale, F. K.

Research Interest: Soil and Water Development, Water Resources Engineering, Irrigation Engineering

Publications

1. Adongo, T. A., **Abagale, F. K.**, Kranjac-Berisavljevic, G. (2018) State and Performance of Water Retention Structures of Earthen Irrigation Dams in Northern Ghana. *International Journal of Irrigation and Agricultural Development (IJIRAD)*. *Irrigation Science, Engineering & Development IJIRAD* 1(1) [2017] 34-43 <http://www.ijirad.org>

2. Osei, R. A, Karambiri, H., Konate, Y., **Abagale, F. K.**, Sou/Dakoure, M. (2018). Macrophytes Potentials of Indigenous Plant Species for Faecal Sludge Constructed Wetland Treatment System: A Case in the Sudano-Sahelian Context. International Journal of Irrigation and Agricultural Development (IJIRAD). *Agricultural Science and Development IJIRAD 1(1) [2017] 91-105 <http://www.ijirad.org>*

Osei, R. A.

Research Interest:

- Environmental Sanitation
- Waste Management
- Soil and Water resource Management.

Publications

1. **Osei, R. A.**, Karambiri, H., Konate, Y., Abagale, F. K., Sou/Dakoure, M. (2018). Macrophytes Potentials of Indigenous Plant Species for Faecal Sludge Constructed Wetland Treatment System: A Case in the Sudano-Sahelian Context. International Journal of Irrigation and Agricultural Development (IJIRAD). *Agricultural Science and Development IJIRAD 1(1) [2017] 91-105 <http://www.ijirad.org>*

Issahaku, M.

Research Interest: Renewable Energy, Energy Technologies

Enrolment by Year and Gender

Department of Mechanical & Industrial Engineering			
Year	Male	Female	Total
2019	71	16	87
2018	29	7	36
2017	33	7	40
2016	9	2	11
Department of Agricultural Engineering			
2019	39	5	44
2018	16	3	19
2017	13	1	14
2016	10	1	11

Wa Campus



2

Faculties

1

School

14

Departments



Schools/Faculties under Wa Campus

- Faculty of Integrated Development Studies
- Faculty of Planning & Land Management
- School of Business & Law



FACULTY OF INTEGRATED DEVELOPMENT STUDIES

Introduction

Following the establishment of Faculty of Integrated Development Studies (FIDS) in 1994, it has promoted integrated approach to teaching, learning and research. The Faculty runs programmes at both the undergraduate and graduate levels. The Faculty will run stand-alone B.A. programmes in its respective Departments and a certificate course (short) in Child Protection from the 2019/2020 academic year.

Departments

The Faculty of Integrated Development Studies has five Departments:

- African and General Studies (DAGS)
- Economics and Entrepreneurship Development (DEED)
- Environment and Resource Studies (DERS)
- Development Studies (DDS)
- Social, Political and Historical Studies (DSPHS)

Undergraduate and Graduate Programmes

The Faculty offers undergraduate programmes in Integrated Development Studies with options in:

- B.A. Integrated Development Studies
- B.A. Integrated Development Studies (Development Communication Option)
- B.A. Integrated Development Studies (Economics Option)
- B.A. Integrated Development Studies (Entrepreneurship Option)
- B.A. Integrated Development Studies (Environment and Resource Management Option)
- B.A. Integrated Development Studies (Social and Development Administration Option)
- Diploma in Integrated Community Development
- Ghana Rural Animators Training (Certificate Course)

The Faculty also offers Ph.D., M.Phil. and M.A. Programmes on regular and sandwich bases. The programmes include:

- Ph.D. in Social Administration (Regular)
- Ph.D. in Endogenous Development (Sandwich)
- M.Phil. in Development Studies (Regular and Sandwich)
- M.Phil. in Environment and Resources Management (Regular)
- M.Phil. Social Administration (Regular)
- M.A. in Development Economics (Sandwich)
- M.A. in Development Communication (Sandwich)

- M.A. in Environment and Resource Management (Sandwich)
- M.A. in Social Administration (Sandwich)
- M.A. in Peace and Development Studies (Sandwich)

Collaboration/Outreach Programmes

1. FIDS/UNICEF Ghana Collaboration on Mainstreaming Child Protection into FIDS Curricula
2. FIDS/Faculty of Humanities, Aalborg University (FOH-AAU), Denmark (Collaboration)
3. FIDS/The Heller School for Social Policy and Management, Brandeis University, U.S.A (Collaboration)

Office of the Dean

For the 2018/2019 Academic Year, the Office of Dean consists of the Dean, Vice-Dean, Assistant Registrar, Assistant Accountant and Internal Auditor as shown below:

Office of the Dean

Staff

Name	Qualification (s)	Rank/Position
<i>Nkegbe, P.K.</i>	<i>B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana), Ph.D. (Reading, UK)</i>	<i>Senior Lecturer/ Dean</i>
<i>Diedong, A.L</i>	<i>Dip.(GIJ, Accra, Gh), B.A., M.Phil., Ph.D. (Gregorian, Rome)</i>	<i>Senior Lecturer/ Vice-Dean</i>
<i>Bagah, Joseph S. K.</i>	<i>B.A., M.Phil. (UDS, Tamale, Gh)</i>	<i>Assistant Registrar/ Faculty Officer</i>
<i>John, A.</i>	<i>B.Com. (UCC, Cape Coast, Gh), ICA Ghana, M.Sc. (Ghana)</i>	<i>Assistant Accountant</i>
<i>Yelkpieri, Z. D.</i>	<i>B.Com. (UCC, Cape Coast, Gh), ICA Ghana, MBA (UCC, Cape Coast, Gh)</i>	<i>Internal Auditor</i>

Student Population

The total student population of the Faculty for the 2018/2019 Academic Year stood at 1,784. Out of this, 1,192 were males and 592 females. Details are shown in Tables 1.0, 2.0 & 3.0.

Table 1.0: Student admissions by gender 2018/2019

Faculty	Male	Female	Total
Faculty of Integrated Developments Studies	1,192	592	1,784

Table 2.0: Student admissions: undergraduate, year on year for 2018/2019 academic year

Year		Male	Female	Total
(IDS & SSE)	100	101	61	162
DICD	100	74	62	136
SUB-TOTAL		175	123	298
(IDS & SSE)	200	201	102	303
DICD	200	102	73	175
SUB-TOTAL		303	175	478
(IDS & SSE)	300	220	129	349
(IDS & SSE)	400	378	142	520
GRAND TOTAL		1,076	569	1,645

Table 3.0: Student admissions: postgraduate year on year for 2018/2019 academic year

Programme	Year	Male	Female	Total
<i>M.Phil. Development Studies (Regular & Sandwich)</i>	100	7	2	9
	200	10	3	13
	300	11	0	11
Sub-Total		28	5	33
<i>M.Phil. Social Administration (Regular)</i>	100	3	6	9
	200	9	3	12
<i>M.A. Social Administration (Sandwich)</i>	100	8	0	8
	200	4	0	4
<i>Ph.D. Social Administration (Regular)</i>	100	10	1	11
	200	5	0	5
	300	2	0	2
Sub-Total		41	10	51
<i>M.Phil. Environment & Resource Management (Regular)</i>	100	12	2	14
	200	15	3	18
<i>M.A. Environment & Resource Management (Sandwich)</i>	100	4	0	4
	200	6	0	6
Sub-Total		37	5	42
<i>M.A. Development Communication (Sandwich)</i>	100	4	0	4
	200	1	3	4
<i>M.A. Peace and Development Studies (Sandwich)</i>	200	5	0	5
Sub-Total		10	3	13
Grand Total		116	23	139

DEPARTMENT OF AFRICAN AND GENERAL STUDIES**Staff**

Name	Qualification (s)	Rank/Position
Tuurosong, D.	B.A., Graduate Dip., M.Phil. (Ghana), UCC, Cape Coast, Gh)	Senior Lecturer/ HOD
Millar, D.	B.Sc., M.Sc. (Ghana), Ph.D. (Wageningen, Netherlands)	Professor
Berinyuu, A. A.	Dip. (Ghana); M.A., (Toronto); MTh. (Hailifax), Ph.D., (Edinburg)	Associate Professor
Baataar, C. K. M.	Dip., B.A. (UCC, Cape Coast, Gh.), Ph.D. (Ghana)	Senior Lecturer
Diedong, A. L.	Dip. (GII, Accra, Gh), B.A., M.Phil., Ph.D. (Gregorian, Rome)	Senior Lecturer
Alhassan, S. N.	B.A. (Ghana), M.Phil. (Norway), Ph.D. (Ghana)	Senior Lecturer
Awiah, P. C.	B.A., M.Phil., Ph.D. (Ghana)	Lecturer
Paaga, D.	B.A., M.Phil. (UCC, Cape Coast, Gh)	Lecturer
Mohammed, Y.	B.A., M.Phil. (UDS, Tamale, Gh)	Lecturer
Agana, T.	B.A., M.Phil. (UDS, Tamale, Gh)	Lecturer
Kuubezelle, N.	B.A., M.Phil. (Ghana)	Lecturer
Naaikuur, L.	Dip. (GII, Accra, Gh), B.A., M.Phil. (Gregorian, Rome)	Lecturer
Dangbie, A.	B.A., M.Phil. (UDS, Tamale, Gh)	Lecturer

Research Interests**Diedong, A. L.**

- Digital Technologies and Communication in Cities
- Safety and Protection of Journalists
- Changing Face of Print Media in a Pluralistic Media Landscape

Publications**Diedong, A. L.**

Manfred K. A. and **Diedong, A. L.** (2019). Multiplicity of voices in community development through radio in Fanteakwa district, Ghana. *Ghana Journal of Development Studies*. Special Issue, Vol. 16, No. 2, pp. 178-198.

Millar, D.

Millar, D. and Abazaami, J. (2018). *Developing Inclusive Knowledges and Sciences: Concepts and challenges in Endogenous Development*. Eric Djomoah and Co. ISBN: 978-99882-6579-3.

Millar, D. and Derbile, E. (2018). *Operational Methods for Endogenous Development Research*. Eric Djomoah and Co. ISBN: 978-9988-2-6579-2

DEPARTMENT OF ECONOMICS AND ENTREPRENEURSHIP DEVELOPMENT**Staff**

Name	Qualification(s)	Rank/Position
Issahaku, H.	B.Sc. (UDS, Tamale, Gh), M.Phil., Ph.D. (Ghana)	Senior Lecturer/ HoD
Nkegbe, P.K.	B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana), Ph.D. (Reading, UK)	Senior Lecturer/Dean
Dary, S.K.	B.Sc. (UDS, Tamale, Gh), MPhil. (Ghana), Ph.D. (Missouri, USA)	Senior Lecturer
Sekyi, S.	B.A., M.Phil. (UCC, Cape Coast, Gh)	Senior Lecturer
Asitik, J.A.	BA, M.Phil. (UCC, Cape Coast, Gh), Ph.D. (UCLan, UK)	Lecturer
Honya, G.K.	B.Sc. (KNUST, Kumasi, Gh), M.Phil. (Ghana)	Lecturer
Mahama, I.	Dip.Ed, B.Sc. (UCC, Cape Coast, Gh), M.Phil. (Ghana)	Lecturer
Chiaraah, A.	B.A. (UCC, Cape Coast, Gh), M.A. (Japan)	Lecturer
Abdul Mumin, Y.	B.A. (UDS, Tamale, Gh), M.Phil. (Ghana)	Lecturer
Kuunibe, N.	B.A., M.Phil. (UCC, Cape Coast, Gh)	Lecturer
Ustarz, Y.	B.A. (UDS, Tamale, Gh), M.Phil. (Ghana)	Lecturer
Abu, B.	B.A. (UDS, Tamale, Gh), M.Phil. (Ghana)	Lecturer
Addy-Morton, R.	B.A., M.Phil. (UDS, Tamale, Gh), M.A. (UCC, Cape Coast, Gh)	Assistant Lecturer
Abdul-Wahab, S.	B.A., M.Phil. (UDS, Tamale, Gh), M.A. (UCC, Cape Coast, Gh)	Assistant Lecturer

Publications**Issahaku, H.**

- Issahaku, H. (2019). Harnessing international remittances for financial development: The role of monetary policy. *Ghana Journal of Development Studies*, Vol. 16, No. 2, pp. 113-137.
- Abor, J. Y., Agbloyor, E. K. and **Issahaku, H.** (2019). The role of financial markets and institutions in private sector development in Africa. In Makina, D. (ed.). *Extending financial inclusion in Africa*. Elsevier Incorporated, pp. 61-85.
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- Amidu, M. and **Issahaku, H.** (2019). Do globalisation and adoption of IFRS by banks in Africa lead to less earnings management? *Journal of Financial Reporting and Accounting*, Vol. 17, No. 2, pp. 222-248.

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Nkegbe, P. K.

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Abdul-Wahab, S., Issahaku, H. and **Nkegbe K. P.** (2019). Effectiveness of resource mobilisation strategies of the Wa Municipal Assembly. *Journal of Planning and Land Management*, Vol. 1, No. 1, pp. 59-79.

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Dary, S. K.

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Kuunibe, N.

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Ishaque, M.

Ishaque M., Nsowah-Nuamah, N. N. N. and Abukari A. (2018). Determinants of Poverty in the Northern Region of Ghana. *International Journal for Research in Mathematics and Statistics*, Vol. 4, No. 1, pp. 15-42.

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DEPARTMENT OF ENVIRONMENT AND RESOURCE STUDIES**Staff**

Name	Qualification(s)	Rank/Position
Peprah, K.	B.A., M.Phil., Ph.D. (Ghana), CS (UEA, Norwich City, UK)	Snr. Lecturer/ HoD
Osumanu, I. K.	B.A., Ph.D. (Ghana)	Assoc. Prof.
Agyemang, I.	B.Sc.(KNUST, Kumasi, Gh); MHE (VUB, Brussels, Belgium);ICHE (HE, Geneva, Switzerland); FRGS (Kessington, London, UK) Ph.D. (UL, Leeds, UK)	Snr. Lecturer
Kpieta, B. A.	B.A. (UDS, Tamale, Gh), M.Phil., Ph.D. (Ghana)	Snr. Lecturer
Laari, P. B.	B.Sc., M.Sc. (KNUST, Kumasi, Ghana); Ph.D. (CUG, Wuhan, China)	Snr. Lecturer
Aabeyir, R.	B.Sc. (KNUST, Kumasi, Gh), M.Sc. (ITC, Enschede, Holland), Ph.D. (KNUST, Kumasi, Gh)	Snr. Lecturer
Yahaya, A. K.	B.A. (UDS, Tamale, Gh); M.Sc. (UEA, Norwich City, UK), Ph.D. (Osmania, India)	Snr. Lecturer
Yembilah, N. N.	B.A., M.Phil., Ph.D. (Ghana)	Lecturer
Sumain, J. B. B.	B.A. (Ghana), M.Sc. Ph.D. (AUNE, Keene, USA)	Lecturer
Bukari, I. F.	B.A., M.Phil. (UDS, Tamale, Gh), Ph.D. (UCC, Cape Coast, Gh)	Lecturer
Tampah-Naah, M. A.	B.A., M.Phil., Ph.D. (UCC, Cape Coast, Gh)	Lecturer
Kuuwabong, G.	B.A., M.Phil. (Ghana)	Lecturer
Achana, T. W. G.	B.A. (Ghana), M.Phil. (UO, Oslo, Norway)	Lecturer
Amoah, T. S.	B.A. (UDS, Tamale, Gh), M.Sc. (UL, Lund, Sweden)	Lecturer
Tuu, G. N.	B.A. (UDS, Tamale, Gh), M.Sc. (Glamorgan, Pontypridd, Wales-UK)	Lecturer
Kosoe, A. E.	B.A. (UDS, Tamale, Gh), M.Sc. (KNUST, Kumasi, Gh)	Lecturer

Publications

Peprah, K.

- Peprah K.** (2019). Environmental double whammy: Climate change and land degradation in the context of Ghanaian smallholder farmers. In O. D. Kolawole (ed.), *Farmers and farming practices: Challenges and prospects*. New York: NOVA Science Publishers.
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Kosoe, A. E.

- Cobbinah, B. P. and **Kosoe, A. E.** (2019). Urban Residents and Communities Responses to Climate Change Impacts in Tamale, Ghana'. https://doi.org/10.1007/978-3-030-04873-0_4. In: Cobbinah, B. P. and Addaney M. (eds.), *The Geography of Climate Change Adaptation in Urban Africa*. Switzerland: Palgrave Macmillan, Springer Nature AG. ISBN 978-3-030-04872-3 ISBN 978-3-030-04873-0 (eBook) <https://doi.org/10.1007/978-3-030-04873-0>
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- Osumanu, K. I., **Kosoe, A. E.** and Ategeeng F. (2019). Determinants of open defecation in the Wa municipality of Ghana: Empirical findings highlighting Sociocultural and Economic Dynamics among Households. *Journal of Environmental and Public Health* Volume 2019, Article ID 3075840, 10 pages <https://doi.org/10.1155/2019/3075840>

Amoah, S. T.

- Amoah, S. T.**, Owusu-Sekyere, E. and Angmor, E. N. (2018). Urban space renaissance of a developing country city. *Urban research & practice*, 1-17.
- Amoah, S. T.** (2019) Determinants of household's choice of cooking energy in a global south city. *Energy & Buildings* 196, 103-111.
- Oteng-Ababio, M., Tanle, A., **Amoah, S. T.**, Kusi, L., Kosoe, E. A. and Bagson, E. (2019). Informal exceptionalism?' Labour migrants' creative entrepreneurship for sustainable livelihoods in Accra. Ghana. *Journal of Asian and African Studies*, 54(1), 88-103.

Tampah-Naah A. M.

Tampah-Naah A. M., Kumi-Kyereme A. and Amo-Adjei J. (2019). Maternal challenges of exclusive breastfeeding and complementary feeding in Ghana. *PLoS ONE*, 14(5): e0215285. <https://doi.org/10.1371/journal.pone.0215285>

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Bukari, F. I. M.

Sulemana, M., **Bukari, F.I. M.** and Abdulai, M. (2019). Assessment of the livelihood empowerment against poverty programme in Karaga district, Ghana. *Development in Practice*, 29 (4): 437-447.

Bukari, F. I. M., Fuseini, M. N., Sulemana, M, Yorose, W. Y. & Ibrahim, M. G. (2018). Poverty reduction in Ghana: The role of farm and non-farm enterprises. *Cross-Currents*, 4 (5): 123-129.

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Agyemang, I.

Awosi, P., **Agyemang, I.** and Munkaila, A. B. D. (2018) .Effects of Drought on the Livelihood of Rural Households in the Nandom District of the Upper West Region, Ghana. *International Journal of Innovative Research and Development*, Vol. 7 Issue 9, pp. 339-345

Laari, P. B

Yakubu, C. I., Ayer, J., **Laari, P. B.**, Amponsah, T. Y. and Hancock, C. M. (2019). A mutual assessment of the uncertainties of digital elevation models using the triple collocation technique. *International Journal of Remote Sensing*, 1-14.

Ziggah, Y. Y., Hu, Y., Issaka, Y. and **Laari, P. B.** (2019). Least squares support vector machine model for coordinate transformation. *Geodesy and Cartography*, 45(1), 16-27.

Ziggah, Y. Y., Youjian, H., Tierra, A. R. and **Laari, P. B.** (2019). Coordinate Transformation between Global and Local Datums Based on Artificial Neural Network with K-Fold Cross-Validation: A Case Study, Ghana. *Earth Sciences Research Journal*, 23(1), 67-77.

Sumain, J. B. B.

Sumain, J. B. B. (2018). *Exploring Perceptions of the Potential of Agricultural Insurance for Crop Risks Management among Smallholder Farmers in Northern Ghana*. Antioch University New England, USA (**Completed Ph.D. Thesis**)

Yahaya, A.K.

Yahaya, A. K. (2018). *Environmental Impact Assessment and Effects of Abiotic Factors on Biotic Components of Upper West Region-Ghana*. USA Osmania University, India (**Completed Ph.D. Thesis**).

DEPARTMENT OF SOCIAL POLITICAL AND HISTORICAL STUDIES**Staff**

Name	Qualification(s)	Rank/Position
Alhassan, E.	B.A., M.Phil., Ph.D. (Ghana)	Senior Lecturer/HoD
Galaa, S. Z.	B.A. (Ghana), M.Phil. (Oslo, Norway) Ph.D. (Ghana)	Assoc. Prof./Dean of Students, UDS
Teng-Zeng, F.K.	B.A. (Ghana), M.A., Ph.D. (University of Stellenbosch, Stellenbosch, South Africa)	Senior Lecturer
Bagah, D.A.	B.A. (Ghana), P.G.D (Sofia), M.Sc. & Ph.D. (McMaster)	Associate Professor
Odame, S. F.	B.A., M.Phil. (Ghana), Ph.D. (UDS, Tamale, Gh)	Senior Lecturer
Maasole, C.S.	B.A. (KNUST, Kumasi, Gh) MPhil (UCC, Cape Coast, Gh) Ph.D. (UDS, Tamale, Gh)	Senior Lecturer
Gasu, J.B.	B.A. (Ghana), M..Phil. (University of Oslo, Oslo Norway) Ph.D. (Ghana)	Senior Lecturer
Bolaji, M. H.	B.A. (UCC, Cape Coast, Ghana), M.Phil., Ph.D. (Keele University, Newcastle, Lyme Staffordshire, England, UK).	Senior Lecturer
Agbley G. K.	B.A. (Ghana), M.Phil., Ph.D. (University of Cambridge, Cambridge, U.K)	Lecturer
Marfo, S.	B.A. (Ghana) PGD, (UCC, Cape Coast, Gh), M.Phil. (Mandela University, SA) PhD (UDS, Tamale, Ghana)	Lecturer
Gyader, G. N.	B.A., M.A., Ph.D. (Norwich, Coventry New York, USA)	Lecturer
Sanyare, F.	B.A. (UDS, Tamale, Ghana), M.Phil., PhD (University of Manchester, (Manchester, UK)	Lecturer/Faculty Exams Officer, FIDS
Arthur, D. D.	B.A., M.Phil. (Ghana), PhD (University of Aalborg, Aalborg, Denmark)	Senior Lecturer
Amosah, J.	B.A., (UDS, Tamale, Gh) M. Sc. (KNUST, Kumasi. Gh)	Lecturer
Bebelleh, F.	B.A., M.Phil., (UDS, Tamale, Gh)	Lecturer
Haruna U.	B.A., M.Phil. (UCC, Cape Coast, Gh), Ph.D. (UDS, Tamale, Gh)	Lecturer
Yakubu R. A.	B.A., M.Phil. (UDS, Tamale, Ghana)	Lecturer
Dandeebo, G.	B.A. (UDS, Tamale Gh), MPhil (Ghana)	Lecturer
Alenoma, G.	B.A., M.Phil. (Ghana) Ph.D. (University of Milan, Italy)	Lecturer
Dawuda, D. T.	B.A. (UDS, Tamale, Gh), M.Phil. (UCC, Cape Coast, Gh)	Lecturer
Dery, NBD. N.	B.A., M.Phil. (UDS Tamale, Gh)	Assistant Lecturer
Musah, H.	B.A., M.A. (Ghana), Ph.D. (Université de Bordeaux, France)	Lecturer

Research Interests

Alhassan, E.

- Education, Gender & Development
- Rural development
- Deviant Behavior

Sylvester Z. Galaa

- Education
- Rural and Urban Development
- Medical Sociology

Teng-Zeng, F.K.

- Science, Technology and Innovation Policy Studies
- Public Policy Analysis
- Governance and Development

Arthur, D.D.

- Institutional Dimensions in Governance and Development
- Administrative Reform in the Public Sector
- International Political Economic Relations

Alenoma, G.

- Gender and Education
- Social theory and research
- Urban and Rural Development

Umar Haruna

- Medical sociology,
- Public Health,
- Maternal and Child Health,

Odame S. F

- Women and Development
- Culture and Development
- Rural/Community Development

Maasole, C.S.

- History of Northern Ghana
- Colonial History of Ghana

Marfo, S.

- Small arms proliferation and control
- Chieftaincy conflicts
- Road safety

Musah, H.

- Peace and Conflict Studies
- Democratic Consolidation and Good Governance
- Ethnicity, Conflict and Democratic Governance

Publications

Alhassan, E.

Diedong, G. Abdulai, A. and **Alhassan, E.** (2018). Attitude and Perceptions of Academic and Administrative Staff towards Progression in Higher Institutions of learning in Ghana. *Journal of contemporary education*. Vol. 3 No. 1 pp. 15-27

Sekyere, E. O. Enock. J. and **Alhassan, E.** (2018). Begging in the City: Complexities. Degree of Organization and Embedded Risk. *Child Development Research*. Volume 2018, pp.1-9.

Galaa, S.Z.

Galaa, S.Z. (2018). Governance, Participation and Human Security. In: UNDP, Northern Ghana Human Development Report 2018: Bridging the Poverty Gap and Fostering Socio-Economic Transformation and Empowerment to Contribute to Human Development for All. UNDP, Ghana

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Yujiro Sano, Roger Antabe, Kilian Nasung Atuoye, Joseph Asumah Braimah, **Galaa S.Z.** and Isaac Luginaah (2018). Married Women's Autonomy and Post-Delivery Modern Contraceptive Use in the Democratic Republic of Congo
BMC Women's Health. BMWH-D-17-00362R2

Haruna. U., Kansanga, M.M. and **Galaa S.Z.** (2018). Examining the unresolved conundrum of Traditional Birth Attendants’ involvement in maternal and child health care delivery in Ghana. *Health Care For Women International*
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Teng-Zeng, F.K.

Muhammed, M. M. and **Teng-Zeng, F. K.** (2018). Protecting the rights of people displaced by dams: An assessment of the development of Ghana’s Bui Dam. *International Journal of Society Systems Science* 10(4), 300-315.

Arthur, D.D.

Abdul, K. I. and **Arthur, D. D.** (2019). Beyond liberal peace building approach: A strategic (libetradilised) peace building in Africa. West Africa. *Journal of African Peace Research and Practice*. Vol. 1., No. 1., pp. 18-30.

Alenoma, G.

Alenoma G. (2019) Community versus Institutional Meanings of Child Poverty: Implications for Policy for Reducing Child Poverty. *Research on Humanities and Social Sciences*, Volume 9.

Umar Haruna

Haruna, U. and Alhassan, S. M. (2018). Ghana. In *Comparative Health Systems: Global Perspectives*. 2nd Edition by James A. Johnson and Carleen Stoskopf. Jones and Bartlett Publishers ISBN9781284111736

Woods, H., **Haruna, U.**, Konkor, I. and Luginaah, I. (2018). The influence of the Community-based Health Planning and Services (CHPS) program on community health sustainability in the Upper West Region of Ghana. *International Journal of Health Planning and Management*, 1–15. <https://doi.org/10.1002/hpm.2694>

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Odame S. F.

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Gyader, G.

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Marfo, S.

Musah, H, **Marfo, S.** and Akpade, J. (2018). Factors influencing the use and non-use of crash helmet by tertiary education students in the Wa Municipality, Ghana. *UDS International Journal of Development*, Vol. 5 No. 2, pp. 96-105.

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Gasu, J.B.

Gasu, J. (2018). *Strengthening Higher Education Leadership in Africa: A Study of Ghana’s Situation*: Dakar. CODESRIA ISBN: 978-2-86978-785-8

Gasu, J. (2018). Presidentialism in Ghana: examining institutional effectiveness for horizontal accountability between the legislature and the executive. In: Said Adejumobi, *Voice and Power in Africa’s Democracy: Institutions, Participation and Accountability*. New York & London: Routledge, pp. 35-58.

Musah, H.

Musah, H. (2019). Democratic Sustainability and Conflict Resistance in Ghana’s Democratic System. *International Journal of Applied Research in Social Sciences*.

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Musah, Halidu, Marfo, Samuel, Akpade Joshua (2018). Factors Influencing the Use and Non-Use of Crash Helmets by Tertiary Education Students in the Wa Municipality, Ghana. *UDS International Journal of Development (UDSIJD)*. Vol. 5, No. 2, pp. 96-107.

Marfo, Samuel & **Musah, Halidu** (2018). Examining the Position of the Chieftaincy Institution in Modern Political System of Ghana. *Journal of Sociology and Social Work*. Vol. 5, No. 1, pp. 64-72.

Marfo, S. Taayina, S. A. and **Musah, H.** (2018). Interrogating the Causes of Interreligious Conflicts in Some Senior High Schools in Upper West Region, Ghana. *UDS International Journal of Development (UDSIJD)*, Vol. 5, No. 1.

Agbley, G.K.

Agbley, G.K. (2019). Land Grabbing and the Gendered Livelihood Experience of Smallholder Farmers in Northern Ghana: Through a Human Development and Capability Lens. *Ghana Journal of Development Studies*, Vol. 16 (1).

DEPARTMENT OF DEVELOPMENT STUDIES**Staff**

Name	Qualification(s)	Rank/Position
Domanban, P.B.	<i>Dip. Ed., B.A. (UCC, Cape Coast, Gh), M.A. (Ghana)</i>	<i>Senior Lecturer/ Head</i>
Owusu-Sekyere, E.	<i>B.Ed. (UCC, Cape Coast, Gh), M.Phil., Ph.D. (Ghana)</i>	<i>Senior Lecturer</i>
Puorideme, D.	<i>B.A. (UDS, Tamale, Gh), MSc. (KNUST, Kumasi, Gh), Ph.D. (Aalborg University, Denmark)</i>	<i>Lecturer</i>
Abindaw, B.A.	<i>B.A. (UDS, Tamale, Gh), MSc. (KNUST, Kumasi, Gh)</i>	<i>Lecturer</i>
Yelfaanibe, A.	<i>B.A., M.Phil. (UDS, Tamale, Gh)</i>	<i>Lecturer</i>
Wedam, E.	<i>B.A., MSc. (UDS, Tamale, Gh)</i>	<i>Lecturer</i>
Aitibasa, A.	<i>B.A. (UDS, Tamale, Gh), MSc. (KNUST, Kumasi, Gh)</i>	<i>Lecturer</i>
Laminu, M.D.	<i>B.A. (UDS, Tamale, Gh), MPhil (KNUST, Kumasi, Ghana)</i>	<i>Assistant Lecturer</i>

Publications

Owusu-Sekyere, E.

- Aboagye, D., Adu-Prah, S. and **Owusu-Sekyere, E.** (2018). Exposures to multiple biophysical stressors and response capacities of riparian communities in Ghana. *GeoJournal*, 1-14. <https://doi.org/10.1007/s10708-019-09972-6>
- Amoah, S. T., **Owusu-Sekyere, E.** and Angmor, E. N. (2018). Urban space renaissance of a developing country city. *Urban research & practice*, 1-17. DOI:10.1080/17535069.2018.
- Owusu-Sekyere, E.**, Peprah, K. and Mawiako D. R. (2018). Exploring the Dynamics of E-waste Disposal Strategies in Tamale, Ghana. *Ghana Journal of Development Studies*, 15(2): 168-192.
- Owusu-Sekyere, E.**, Amoah, S.T. and Wedam, E. A. (2018). Solid Waste Generation, Planning, and Projection In Wa, Ghana. *UDS. International Journal of Development*, 4:46-63
- Osumanu, I., K., Akongbangre, J., N., Tuu. N-Y. and **Owusu-Sekyere, E.** (2018). From patches of Villages to a Municipality: Time, Space and Expansion of Wa, Ghana. *Urban Forum*, 30(1): 57-74.
- Owusu-Sekyere, E.**, Jengre, E. and Alhassan, E. (2018). Begging in the City: Complexities, Degree of Organization, and Embedded Risks. *Child Development Research*, 23. (10) 1-9
- Peprah, K., **Owusu-Sekyere, E.** and Amoah, S., T (2018). Compliance with Road Safety Policy Directives: Insights from Selected Countries in West Africa. *KNUST Journal of Geography and Development*, 2(1) 63-78.

Puorideme, D.

- Puorideme, D.** (2019). How men and women negotiate social relations in Asante matrilineage: An ethnographic-based discourse study. *Journal of Multicultural Discourses*.
- Puorideme, D.** (2019). Many things have change': An ethnographic-based discourse study of accounts at the intersection of conditional cash transfer (CCT) programme in Ghana. *Journal of Development Studies*.
- Puorideme, D.** (2018). *Social Protection and Gender at the Intersection of Discourse and Governmentality: A Critical Ethnographic Study of the LEAP Cash Transfer Programme in Ghana*. Aalborg Universitetsforlag. 246 p. (Aalborg Universitet. Det Humanistiske Fakultet. (Completed Ph.D.).

Yelfaanibe, A.

- Yelfaanibe, A.** and Zetter, R. (2018). Policies and labels for negotiating rights protection for the environmentally displaced in Ghana: the Dagara farmer in perspective. *African Geographical Review*, 37(2), 83-97. doi: 10.1080/19376812.2017.1350988

Aniah, P. and **Yelfaanibe, A.** (2018). Environment, development and sustainability of local practices in the sacred groves and shrines in Bongo District: a bio-cultural study for environmental management in Ghana. *Environment, Development and Sustainability*, 20(6), 2487-2499. <https://doi.org/10.1007/s10668-017-0001-2>.

Wedam, E. A.

Akrofi, M. M., Avogo, F. A. and **Wedam, E. A.** (2019). Sustainable urban development and the challenge of unauthorized buildings: assessing demographic drivers in peri-urban areas of Ghana. *Journal of Housing and the Built Environment*, 34(2), 571-598.

Avogo, F., **Wedam, E.** and Elvis Attakora-Ameingapong (2018). Development Control in Ghana: Experiences from a Low-Income Neighbourhood. *Journal of Geography and Rural Development*, KNUST.

Safoa Odame, F. and **Wedam, E.** (2018). Youth Outmigration from Male-female Dynamics. NOVA Publications.

Atanga, R. A.

Atanga, R. A., Inkoom, D.K.B. and Amosah, J. (2018). The challenges of climate proofing local plans for sustainable development in Ghana. *KNUST Journal of Geography and Development* 2(1): 2-44.

FACULTY OF PLANNING AND LAND MANAGEMENT

Introduction

The Faculty has four (4) academic Departments; they are Department of Planning, Department of Community Development, Department of Real Estate and Land Management and Department of Governance and Development Management. The Faculty run nine (9) academic programmes, these consist three (3) Post-graduate and six (6) undergraduate, namely:

Academic Programmes

- M.Phil in Development Management
- M.Sc. in Development Management
- M.Sc. Strategic Planning and Management
- B.A. Integrated Community Development (ICD)
- B.Sc. Planning
- B.Sc. Development Management
- B.Sc. Real Estate
- B.Sc. Land Management.
- Diploma in Development Management

Office of the Dean

The office of the Dean, which co-ordinates the entire faculty activities, operated with the following categories of staff:

Staff

Name	Qualification(s)	Rank/Position
<i>Derbile, E. K.</i>	<i>B.A. (UDS, Tamale, Gh), M.Sc. (KNUST, Kumasi, Gh) Ph.D. (Dortmund, Germany)</i>	<i>Assoc. Professor/Dean</i>
<i>Bonye, Z. S.</i>	<i>B.A., M.Phil. (UDS, Tamale, Gh)</i>	<i>Senior Lecturer/ Vice Dean</i>
<i>Abdulai, M.</i>	<i>HND (TaTU, Tamale, Gh), BMS (UCC, Cape Coast, Gh), M.Phil. (UDS, Tamale, Gh)</i>	<i>Asst. Registrar Faculty Officer</i>
<i>Abdulai, I.</i>	<i>B.Sc. (UPS, Accra, Gh), ICA (Gh)</i>	<i>Asst. Internal Auditor</i>

Students Population

The Faculty has a student population of one thousand two hundred and eighty (1,280), Made up of nine hundred and nine (909) Males and three hundred and seventy-one (371) females.

Student Admissions by Faculty/School and Gender

Faculty	Male	Female	Total
FPLM	909	371	1280

Undergraduate Students Year on Year Admission

Level	Male	Female	Total
100	162	50	212
200	311	138	449
300	172	80	252
400	208	83	291
Sub-Total	853	351	1204

Graduate students

Level	Male	Female	Total
500	22	9	31
600	34	11	45
Sub-Total	56	20	76
GRAND TOTAL	909	371	1280

Outreach Programmes

Apart from the University-wide Third trimester Field Practical Programmes, the Faculty has also developed outreach programmes for the communities immediately surrounding the Campus in Bamahu.

Memorandum of Understanding (MOUs)

The Faculty signed the following Memoranda of Understanding during the year under review:

- In 2017 UDS, FPLM signed a Memorandum of Understanding (MOU) with Jacksally To among other things Give students hands-on experience in the development field and enable them apply their field knowledge to generate further learning outcomes and Partner with the Jaksally to seek funding, do joint proposal for student, programmes and projects’ development.
- In 2017, signed a Memorandum of Understanding (MOU) between UDS and IEED, UK on SITAM Project – Supporting smallholder farmers’ decision-making: Managing tradeoffs and synergies for sustainable intensification.
- In 2017, signed Memorandum of Understanding (MOU) for Award of DAAD – Stipend programme for the Faculty

- In May 2018, the FPLM signed an Education Site License Agreement with Environmental Research Institute To among other things provide access to Online Services; distribute updates; and provide technical support for the Software, Data and Documentation to License. The Agreement grants the University the right to use Trimble Juno SA Handheld GPS Device and ArchGIS Academic Departmental Package (Medium) and to obtain maintenance to be used only for academic and administrative purposes subject to payment of an Annual Fee and the terms of the agreement.
- In November 2017, the UDS/FPLM signed an agreement with ZEF to cooperate in the day to day business of the **West African Centre for Sustainable Rural Transformation (WAC-SRT)**. The co-operation in the **WAC-SRT** will be funded by the German Academic Exchange Service (DAAD) beginning on October 1, 2017 until December 31, 2021.
- In 2019 the West African Centre for Sustainable Rural Transformation, Faculty of Planning and Land Management, University for Development Studies, and University Abodou Moumouni was awarded a grant by the **Network of African Science Academies (NASAC)** in collaboration with the **International Science Council (ISC)** under the programme **Leading Integrated Research for Agenda 2030 in Africa (LIRA 2030 Africa)** with funding from Swedish International Development Cooperation Agency (SIDA).
- The Faculty hosted the maiden edition of the West African School for Sustainable Rural Transformation (WAS-SRT) from 3rd to 30th June, 2019.
- The Faculty Launched the West African Centre for Sustainable Rural Transformation (WAC-SRT) on Wednesday, June 26, 2019.

Academic Departments

The Faculty has four academic departments namely;

- Department of Community Development (DCD)
- Department of Planning (DoP)
- Department of Real Estate and Land Management (DRELM)
- Department of Governance and Development Management (DG-DM)

DEPARTMENT OF COMMUNITY DEVELOPMENT**Staff**

Name	Qualification	Position/Rank
<i>Jasaw, G. S.</i>	<i>B.Sc. (KNUST, Kumasi, Gh), M.Sc. (London, UK), Ph.D. (Tokyo, JP)</i>	<i>Senior Lecturer/ HOD</i>
<i>Aasoglenang, T. A.</i>	<i>B.A. (UDS, Tamale, Gh), M.Sc. (KNUST, Kumasi, Gh)</i>	<i>Senior Lecturer</i>
<i>Alatinga, K. A.</i>	<i>B.A. (UDS, Tamale, Gh), M.A. (Bochum, Germany), MPA, Ph.D. (Cape Town, SA)</i>	<i>Senior Lecturer</i>
<i>Engmen, S. Y.</i>	<i>B.A. (KNUST, Kumasi, Gh), M.A. (The Hague, Netherlands)</i>	<i>Lecturer</i>
<i>Aziabah, M. A.</i>	<i>B.A. (Ghana), M.Sc. (KNUST, Kumasi, Gh), Ph.D. (Humboldt, Berlin, Germany)</i>	<i>Lecturer/Department al QAO</i>
<i>Beyuo, A. N.</i>	<i>B.Sc., M.Phil. (UDS, Tamale, Gh)</i>	<i>Lecturer</i>
<i>Soliku, O.</i>	<i>B.A. (UDS, Tamale, Gh), M.Sc. (KNUST, Kumasi, Gh), Ph.D. (Freiburg, Germany)</i>	<i>Lecturer/TTFPP Coordinator</i>
<i>Mohammed, S. A.</i>	<i>B.A. (UDS, Tamale, Ghana), M.Phil. (KNUST, Kumasi, Gh), Ph.D. (UG, Gh)</i>	<i>Lecturer</i>
<i>*Guba, B. Y.</i>	<i>B.Sc., M.Sc. (KNUST, Kumasi, Gh)</i>	<i>Lecturer</i>
<i>Akurugu, C. A.</i>	<i>B.A., M.Phil. (UDS, Tamale, Gh), Ph.D. (Newcastle, UK)</i>	<i>Lecturer</i>
<i>Morzdeh-Ekpampo, M.</i>	<i>B.A., M.Phil. (UDS, Tamale, Gh), Ph.D. (UCC, Cape Coast, Gh)</i>	<i>Lecturer</i>
<i>*Dapilah, F.</i>	<i>B.A. (UDS, Tamale, Gh), M.Phil. (Ghana)</i>	<i>Lecturer</i>
<i>Dayour, F.</i>	<i>B.Sc., M.Phil. (Cape Coast, Gh), Graduate Certificate in Teaching and Learning, (Surrey, UK), Ph.D. (Surrey, UK)</i>	<i>Lecturer/Department Exams Officer</i>
<i>Alhassan, B.</i>	<i>B.A., M.Phil. (Ghana)</i>	<i>Lecturer</i>
<i>Kankpi, T</i>	<i>B.A (UDS, Tamale, Gh), MSc. (KNUST, Kumasi, Gh)</i>	<i>Assistant Lecturer</i>
<i>Dordaa, F.</i>	<i>B.A (Ghana), MSc. (KNUST, Kumasi, Gh)</i>	<i>Assistant Lecturer</i>

Publications**Journal Articles****Dr. Jasaw, G. S.**

1. Nsioh, M.N., Saito, O., Akiko Sato, Boafo, YA., and **Jasaw, G.S.**, (2018). Traditional and Local Knowledge Practices for Disaster Risk Reduction in Northern Ghana. Sustainability Journal Sustainability 2018, 10, 825; doi:10.3390/su10030825

Dr. Frederick Dayour

1. Dayour, F. (2019). Backpackers’ Experiences with Smartphone Usage in Ghana. *Anatolia: An International Journal of Tourism and Hospitality Research*<https://doi.org/10.1080/13032917.2019.1597741>.
2. Dayour, F. (2019). Do Demographics Traits Matter? Backpackers’ Information Technology and Destination-Related Risk Concerns Towards Smartphone Usage. *African Journal of Hospitality and Tourism Management*, Vol. 1, No. 1, pp, 48-66.
3. **Dayour, F., Park, S., and Kimbu, A. N.** (2019). Backpackers’ Perceived Risks Towards Smartphone Usage and Risk Reduction Strategies: A Mixed Methods Study. *Tourism Management*, Vol. 72, 52–68. <http://doi.org/10.1016/j.tourman.2018.11.003>.

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1. Dayour, F., and Kimbu, A. (2019). Ghana Hopes ‘Year of Return’ will Boost tourism. But caution is needed<http://theconversation.com/ghana-hopes-year-of-return-will-boost-tourism-but-caution-is-needed-120338>
2. Dayour, F. (2019). Boosting Ghana’s Domestic Tourism Sub-sector, the Way Forward.<http://www.myjoyonline.com/business/2019/may-20th/bosting-ghanas-domestic-tourism-sub-sector-the-way-forward.php>
3. **Dayour, F., and Kimbu, N., A.** (2019). Backpackers are Worried About Using Mobile Devices in Ghana. Here’s why.<https://theconversation.com/backpackers-are-worried-about-using-mobile-devices-in-ghana-heres-why-114941>.
4. Dayour, F. (2018). The Data Conundrum on Ghana’s Travel and Tourism Industry. <https://www.myjoyonline.com/opinion/2018/March-12th/the-data-conundrum-on-ghanas-travel-and-tourism-industry.php> (Retrieved 12/03/2018).

Dr. Kennedy A. Alatinga

1. **Alatinga, K. A, Marguerite, D., and Bayor, I.** (2019): Community Experiences with Cash Transfers in Relation to Five SDGs: Exploring Evidence from Ghana’s Livelihood Empowerment Against Poverty (LEAP) Programme, Forum for Development Studies, Forum for Development Studies. DOI: 10.1080/08039410.2019.1635524
2. Alatinga, K. A. (Forthcoming). **Internal Migration, Socio-Economic Status and Remittances: Experiences of Migrant Adolescent Girls’ Head-Porters in Ghana.** *African Human Mobility Review*.

Frederick Dapilah

1. **Dapilah, F,** and Nielsen, JØ (2019) (Forthcoming) Climate change extremes and barriers to successful adaptation outcomes: disentangling a paradox in the savanna semi-arid dry lands of northern Ghana. *Ambio*.

2. **Dapilah, F.**, Nielsen, JØ, and Friis, C (2019) The role of social networks in building adaptive capacity and resilience to climate change: A case study from northern Ghana. *Climate and Development*. doi/full/10.1080/17565529.2019.1596063.
3. **Dapilah, F.**, Nielsen, JØ, and Akongbangre, JN (2018) peri-urban transformation and shared natural resources: the case of shea trees depletion and livelihood in Wa municipality, northwestern Ghana. *African Geographical Review*: doi/full/10.1080/19376812.2018.1480395

Books

Dr. Maxwell A. Aziabah

1. Aziabah, M. A.(2018). *The Politics of Educational Reform in Ghana: Understanding Structural Persistence in the Secondary School System*. Critical Studies of Education (Vol. 7). Cham Switzerland: Springer AG.

Chapter in Books

Dr. Frederick Dayour

1. Samaddar S., Ayaribilla A.J., Oteng-Ababio M., **Dayour F.**, and Yokomatsu M. (2019) Stakeholders’ Perceptions on Effective Community Participation in Climate Change Adaptation. In: Sarkar A., Sensarma S., vanLoon G. (eds) *Sustainable Solutions for Food Security*. Springer, Cham. Doi:10.1007/978-3-319-77878-5_18.
2. Samaddar S., Yokomatsu M., **Dayour F.**, Oteng-Ababio M., Dzivenu T., and Ishikawa H. (2018). Exploring the Role of Trust in Risk Communication Among Lclimate-Induced Vulnerable Rural Communities in Wa West District, Ghana. In Saito O., Kranjac-Berisavljevic G., Takeuchi K., A. Gyasi E. (eds) *Strategies for Building Resilience against Climate and Ecosystem Changes in Sub-Saharan Africa*. Science for Sustainable Societies. Springer, Singapore, pp. 247-264.
3. **Dayour, F.** (2018). Backpackers’ Perceptions of Risk Towards Smartphone Usage and Risk Reduction Strategies, Ghana. In Tussyadiah, I, Lalicic, L & Marine-Roig, E (eds) *Proceedings of ENTER2018 PhD workshop*, Jönköping, Sweden, pp. 1-9.

DEPARTMENT OF REAL ESTATE AND LAND MANAGEMENT**Staff**

Name	Qualification(s)	Rank/Position
Attakora-	B.A. (Ghana), M.Sc., (Stockholm), MB.A. (Ronneby,	Senior
Amaniampong, E.	Sweden)	Lecturer/HOD
Ameyaw, S.	B.Sc. (KNUST, Kumasi, Gh), M.Phil. (Cambridge)	Senior Lecturer
*Nara, B. B.	Teachers Cert. A (Tamale), B.A (UDS, Tamale), MPhil (KNUST, Kumasi, Gh),	Lecturer
Biitir, B. S.	B.Sc., M.Phil. (KNUST, Kumasi, Gh), M.Sc. (Han, Arnhem, Netherlands), M.GhIS. (Ghana)	Lecturer/Department Exams Officer
Kuusaana, D. E.	B.Sc. (KNUST, Kumasi, Gh), M.Sc. PhD (ZEF- UniBonn Bonn, Germany)	Lecturer/Faculty Exams Officer
Akortsu, W.	B.Sc. (KNUST, Kumasi, Gh), M.Sc. (Arnhem, Netherlands), M.GhIS. (Ghana)	Lecturer
Anzagra, L.	B.Sc. (UCC, Cape Coast, Gh), M.Sc. (UDS, Tamale, Gh)	Lecturer
Aziaba, A. S.	Ph.D (Delft, Netherlands), MSc, BSc (KNUST, Kumasi, Gh), MGHIS (Accra)	Lecturer
Tuonianuo, M. D.	Ph.D (Bonn, Germany), MPhil, BSc (KNUST, Kumasi, Gh)	Lecturer
Peres, O.	B.A, MPhil (UDS, Tamale, Gh)	Assistant Lecturer

Publications**Journal Articles****Elvis Attakora-Amaniampong**

1. **Attakora-Amaniampong E., Ameyaw S. and Anzagra L (2019). An analysis of organisational and task stressors among construction professionals in Ghana, *Journal of Planning and Land Management*, 1(1):104-125**
2. **Avoka. F. A., Wendam. E. A., Attakora-Amaniampong E. (2018). Development control in Ghana: Experiences from a low-income neighbourhood. KNUST *Journal of Geography and Development*, 2(1):93-113**

Stephen Ameyaw

1. **Attakora-Amaniampong E., Ameyaw S. and Anzagra L (2019). An analysis of organisational and task stressors among construction professionals in Ghana, *Journal of Planning and Land Management*, 1(1):104-125.**
2. **Sulemana, M., Amidu, A. and Ameyaw, S. (2018). The effectiveness of Sinapi Aba microfinance on the livelihood of rural women: the case of the East Gonja District of the Northern Region of Ghana. *Journal of Advances in Social Science and Humanities* (ISSN-2395-6542) Vol. 4 (12), pp.470 - 481, DOI10.15520/jassh412380**

Baslyd Begerr Nara

1. Miller, A. W., Nara, B. B., & Morales, J. G. (2019). **Addressing the problems of Land Registration processes in complex land tenure systems using computational techniques. Evidence from Accra, Ghana.***Journal of Planning and Land Management*, 1(1): 31-57.

Samuel Banleman Biitir

1. Biitir S. B and Kuusaana E.D (2019).**Customary land rents administration in Ghana: Emerging discourse on Family lands in the Upper West Region.** *Survey Review*.1–11. Available at: doi:10.1080/00396265.2019.1610609
2. Biitir S. B (2019).**Designing land value capture tools in the context of complex tenurial and deficient land use regulatory regimes in Ghana.** Working Paper, *Lincoln Institute of Land Policy*.
3. Biitir S. B (2019). **Land-based financing of Urban development in Ghanaian Cities: Legislative and policy context and precis.**Paper accepted for presentation, *Africa Real Estate Society*, 10-13 September 2019, Arusha, Tanzania.

Elias Danyi Kuusaana

1. Adams, E.A., Kuusaana, E.D., Campion, B. B., & Ahmed, A. (2019). **Land dispossessions and water appropriations: Political ecology of land and water grabs in Ghana.***Land Use Policy*, 87, 104068.
DOI: 10.1016/j.landusepol.2019.104068
2. Biitir, S. B., & Kuusaana, E. D. (2019). **Customary Land Rents Administration in Ghana: Emerging Discourse on Family Lands in the Upper West Region.***Survey Review*, 1–11. Available at: doi:10.1080/00396265.2019.1610609
3. Ahmed, A., Kuusaana, E.D.&Gasparatos, A. (2018). **The role of chiefs in large-scale land acquisitions for Jatropha production in Ghana: insights from agrarian political economy.***Land Use Policy*, 75: pp. 570-582. Available at: <https://doi.org/10.1016/j.landusepol.2018.04.033>
4. Kaderi, N.B & Kuusaana, E.D. (2018). **Impacts of large-scale land holdings on Fulani pastoralists’ in the Agogo Traditional Area of Ghana.** *Land Use Policy*, 79:pp.748-758. Available at: <https://doi.org/10.1016/j.landusepol.2018.09.018>

Sampson Akanvose Aziaba

1. Aziabah, S. A. (2018). **Better public housing management in Ghana. An approach to improve maintenance and housing quality.** *A+ BE | Architecture and the Built Environment*, (7), 1-294.
2. Aziabah, S. A. (2018). **A Performance Assessment of Local Authorities in Managing Public Housing in Ghana.** *Journal of African Real Estate Research*, 1(1), 39-60.

Lea Anzagra

1. Attakora-Amaniampong E., Ameyaw S. and Anzagra L (2019). **An analysis of organisational and task stressors among construction professionals in Ghana,** *Journal of Planning and Land Management*, 1(1):104-125.

Peres Ofori

1. **Ofori, P. (2019). Efficiency of rental housing in mitigating housing challenges in Ghana: The case of Old-Tafo semi-detached houses in Kumasi township.** *Ethiopian Journal of Environmental Studies & Management*, 12(2): 167 – 180.

Williams Miller Appau

1. **Miller, A. W., Nara, B. B., & Morales, J. G. (2019). Addressing the problems of Land Registration processes in complex land tenure systems using computational techniques. Evidence from Accra, Ghana.** *Journal of Planning and Land Management*, 1(1): 31-57.

DEPARTMENT OF PLANNING**Staff**

Name	Qualification(s)	Rank/Position
Akanbang, B. A. A	B.Sc., M. Phil. (KNUST, Kumasi, Gh), Ph.D, (Ghana)	Snr Lecturer/ HoD
Derbile, E. K.	B.A., (UDS, Tamale, Gh), M.Sc., (KNUST, Kumasi, Gh), Ph.D, (Bonn, Germany)	Assoc. Professor/Dean
Agbenyo, F.	B.A., (UDS, Tamale, Gh), M.Sc., (KNUST, Kumasi, Gh), Ph.D Candidate, (UDS, Tamale, Gh)	Snr Lecturer/ Faculty QAO
Ziemarh, M. K.	B.Sc., M. Sc., (Kumasi)	Lecturer
Abihiro, G. A.	B.A., (UDS, Tamale, Gh), M.Ph., (Cape Town), PhD, (Heidelberg, Germany)	Lecturer/Exams officer
Jarawura, F. X.	B.A., (UDS, Tamale, Gh.), M. Phil., (Oslo), Ph.D, (Accra)	Lecturer/ QAO
Fielmua, N.	B.Sc., M.Sc. (KNUST, Kumasi, Gh), Ph.D, (Reading, UK)	Lecturer
Avogo, F.	B.Sc., M. Phil (KNUST, Kumasi, Gh), M.Sc (Rotterdam)	Assistant Lecturer
Nelson, J. K. B.	B.Sc., M. M.Sc. (KNUST, Kumasi, Gh), Ph.D Candidate (UCC, Cape Coast, Gh)	Lecturer
Okra, M.	B.A., (UDS, Tamale, Gh), M.Sc., (KNUST, Kumasi, Gh), Ph.D (Leeds, UK)	Lecturer
Akaateba, M. A.	B.Sc., (KNUST, Kumasi, Gh), M.Sc., (Leeds), Ph.D (Berlin, Germany)	Lecturer
Yakubu, I.	B.A., (UDS, Tamale, Gh), M. Phil., (Ghana), Ph.D (Stellenbosch, SA)	Lecturer
Ahmed, A.	B.Sc., (KNUST, Kumasi, Gh), M.Sc., (Tokyo, Japan), Ph.D, (Tokyo, Japan)	Lecturer
Dongzagla, A.	B.A., (UDS, Tamale, Gh), MSc., (Enschede, Netherlands)	Assistant Lecturer
Kunfaa, E. Y.	B.Sc., (KNUST, Kumasi, Gh) M.Sc., Ph.D, (Dortmund, Germany)	Part-time Lecturer

Publications

Journal Articles

Dr. Akanbang, B. A. A

- Akanbang, B. A. A.,** Yachori, B. & Sullemana, M. (2018). Urban Planning Capacity Development’s Response to Emerging Towns: A Case Study of Wa in the Upper West Region of Ghana. *Ghana Journal of Development Studies*, Vol. 15 (2), pp 88-107
- Korah, P. I., Nunbogu, A. M., Cobbinah, P. B. & **Akanbang, B. A. A. (2019)** Analysis of livelihood issues in resettlement mining communities in Ghana. *Resources Policy*, Vo 63, pp 1-10
- Abihiro, G. A., Gyan, K. E. & **Akanbang, B. A. A. (2019)** Food vending characteristics and students’ preferences for food vending services: A discrete choice experiment. *Ghana Journal of Development studies*, Vol 1(1), pp 68 - 91

Prof. Derbile, E. K.

- Derbile, E. K, Dongzagla, A and Dakyaga, F. (2019). Livelihood Sustainability under Environmental Change: Exploring the Dynamics of Local Knowledge in Crop Farming and Implications for Development Planning in Ghana. *Journal of Planning and Land Management*, Vol. 1(1), pp.154-180.

Dr. N. Fielmua

- Fielmua, N.,** Akudugu, M. A. & Dugle, G. (2018). Water, sanitation and rural livelihoods nexus: An exploratory study of Wogu in the Upper West Region of Ghana. *Ghana Journal of Development Studies*, Special Issue, 16(2), 199-219.
- Fielmua, N., & Mwingyine, D. T. (2018).** Water at the Centre of Poverty Reduction: Targeting Women as a Stepping Stone in the Nadowli District, Ghana. *Ghana Journal of Development Studies*, 15(2), 46-68.

Dr. Abihiro, G. A.

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Dr. Ahmed, A.

- Ahmed, A.,** Dompreeh, E., & Gasparatos, A. (2019). Human wellbeing outcomes of involvement in industrial crop production: Evidence from sugarcane, oil palm and jatropha sites in Ghana. *PLOS ONE*, 14(4), e0215433.
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Mr. Dongzagla, A.

- Derbile, E. K., **Dongzagla, A.** & Dakyaga, F. (2019). Livelihood sustainability under environmental change: exploring the dynamics of local knowledge in crop farming and implications for development planning in Ghana. *Journal of Planning and Land Management*. Volume 1(1), PP. 154-180.

Chapter in Edited Book

Agbenyo, F.

- Agbenyo, F. (2018). Factors influencing parental choice of early childhood care and education in Ghana. The case of Wa Municipality in the Upper West Region. In Ebrahim, B.H., Okwany, A. and Barry, I. (Eds.). *Early Childhood Care and Education (ECCE) at the Margins: African Perspectives on Birth to three*. London: Rutledge in Collaboration with CODESRIA.

DEPARTMENT OF GOVERNANCE AND DEVELOPMENT MANAGEMENT**Staff**

Name	Qualification(s)	Rank/Position
<i>Sulemana, M.</i>	<i>B.Sc.,M.Sc.,(KNUST, Kumasi, Gh), Ph.D, (Skudai)</i>	<i>Snr. Lecturer/HoD</i>
<i>Bacho, F. Z. L.</i>	<i>B.A., (UCC, Cape Coast, Gh), MA, (Accra), MSC, (KNUST, Kumasi, Gh), Ph.D, (Dortmund)</i>	<i>Associate Professor</i>
<i>Bonye, S. Z.</i>	<i>B.A., M. Phil., (USD, Tamale, Gh)</i>	<i>Snr Lecturer/ Vice Dean</i>
<i>Boye Bandie, R. D.</i>	<i>B.Sc., M.Sc., (KNUST, Kumasi, Gh), Ph.D, (Cape Coast, Gh)</i>	<i>Snr. Lecturer</i>
<i>Bagson, E.</i>	<i>B.ED., M. Phil., ((UCC, Cape Coast, Gh), Ph.D (Gh)</i>	<i>Lecturer/Exams officer</i>
<i>Domapelle, M. K.</i>	<i>B.A., (UDS, Tamale, Gh), M. Sc.,(Bradford), Ph.D, (Bradford)</i>	<i>Lecturer/Quality Assurance Officer</i>
<i>Kanlinsi, S. K.</i>	<i>B.A., (UDS, Tamale, Gh), M. Sc., (KNUST, Kumasi, Gh)</i>	<i>Lecturer/Senior Hall Tutor</i>
<i>Yendaw, E.</i>	<i>B.A.,(UCC, Cape Coast, Gh), M. Phil., (UCC, Cape Coast, Gh), Ph.D (UCC, Cape Coast, Gh)</i>	<i>Lecturer</i>
<i>Badu-Yeboah, K.</i>	<i>M.Sc., (KNUST, Kumasi, Gh), Ph.D, (KNUST, Kumasi, Gh)</i>	<i>Lecturer</i>
<i>Adams, A.</i>	<i>B.A., (UDS, Tamale, Gh), M.Sc., (KNUST, Kumasi, Gh)</i>	<i>Assistant Lecturer</i>
<i>Abdulai, I. A.</i>	<i>B.A., M.Phil., (UDS, Tamale, Gh)</i>	<i>Assistant Lecturer</i>
<i>Ibrahim, A. I.</i>	<i>B.A., M.Phil., (UDS, Tamale, Gh)</i>	<i>Assistant Lecturer</i>

Publications**Journal Articles****Dr. Sulemana, M.**

Sulemana, M., Fuseini, M. N., Adjanyo, C. (2019). Role of Microfinance in Poverty Reduction in the Ashaiman Municipality, Ghana. *African Research Review*, Vol.13 (3), No. 55, 1-14.

Sulemana, M. (2019). Urbanization, Urban Poverty and Urban Livelihoods in Tamale Metropolis, Ghana. *Africa Development and Resources Research Institute Journal, Ghana: Vol. 28, No. 8(5), 23-58*

Kanlinsi, K. S.

Suleman M., Musah, A. B. & Kanlinsi K. S. (2018). An Assessment of Stakeholder Participation in Monitoring and Evaluation of District Assembly Projects and Programmes in the SaveluguNanton Municipality Assembly, Ghana. *Ghana Journal of Development Studies*, Vol 15, No 1 pp 173-195

Yendaw, E.

Yendaw, E., Tanle, A. and Kumikyereme, A. (2019). Analysis of Livelihood Activity amongst Itinerant West African Migrant Traders in the Accra Metropolitan Area. *Journal of Global Entrepreneurship Research*, 9(11), pp. 1-21.

Yendaw, E. (2019). Understanding the Implications of Migrant Retail Trading in Ghana: A Stakeholder Perspective. *Ghana Journal of Development Studies*, 16(2), pp. 220-240.

Yendaw, E., Borbor, F. M., Asante-Afari, K and Nantomah, B. (2019). Assessing the Motivations for Migration among West African Immigrants in Itinerant Retail Trading in Ghana. *Journal of Planning and Land Management*, 1(1), pp. 184-214.

Bagson, E.

Bagson, E., Owusu, G., & Oteng-Ababio, M. (2019). Determinants of safety and liveability in Kumasi and Tamale Metropolitan areas in urban Ghana. *Ghana Journal of Development Studies*, 16(2), 91- 112.

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Adams, A.

Abduali, I. A., **Adams, A.** & Abdulai, M. (2018). Seeking healthcare under the National Health Insurance Scheme’s capitation payment method in Wa Municipality, Ghana: Subscribers’ perspectives. *African Journal of Science, Technology, Innovation and Development*, 11(1). DOI: 10.1080/20421338.2018.1547511

Abdulai, I. A.

Abduali, I. A., Adams, A. & Abdulai, M. (2018). Seeking healthcare under the National Health Insurance Scheme’s capitation payment method in Wa Municipality, Ghana: Subscribers’ perspectives. *African Journal of Science, Technology, Innovation and Development*, 11(1). DOI: 10.1080/20421338.2018.1547511

SCHOOL OF BUSINESS AND LAW (SBL)

Introduction

The School of Business and Law (SBL) was established in 2013 at the Wa Campus. The School responds to pressing national needs to improve the socio-economic well-being of the poor through enhanced social programmes for educational quality improvement, business and enterprise development, and legal literacy and legislative development. The programmes in the school are directed towards the practical and equity needs of Northern Ghana in particular and rural Ghana in general.

Departments

- Department of Management Studies
- Department of Accounting
- Department of Banking and Finance
- Department of Law and Legal Studies
- Department of Procurement and Marketing

Student Population - 2018/2019 Academic Year

Programme	Male	Female	Total
Diploma in Integrated Business Studies	220	100	320
B.A. Integrated Business Studies	559	243	802
Bachelor of Commerce (Accounting)	170	42	212
Bachelor of Commerce (Finance)	56	13	69
Bachelor of Commerce (Human Resource Management)	63	37	100
Bachelor of Commerce (Marketing)	12	9	21
B.Sc. Accounting	252	78	330
B.Sc. Accounting and Finance	358	133	491
Master of Commerce (Accounting)	33	5	38
Master of Commerce (Banking and Finance)	16	0	16
Master of Commerce (Human Resource Management)	16	10	26
Master of Commerce (Procurement and Supply Chain Management)	21	3	24
M.Sc. Accounting	14	3	17
M.A. Management Studies	6	4	10
M.A. Leadership and Development	9	1	10
Grand Total	1,805	678	2,483

Office of the Dean**Staff**

Name	Qualification(s)	Rank/Position
<i>Yakubu, A. S.</i>	<i>B.Sc. (IUCG, Accra, Gh), M.Phil., Ph.D. (Ghana)</i>	<i>Senior Lecturer/Dean</i>
<i>Musah, A.</i>	<i>BCom (UCC, Cape Coast, Gh), MSc (UDSDB, Bergamo, Italy), CA. (Ghana) ACCA (UK), Ph.D.(UDS, Tamale, Gh)</i>	<i>Senior Lecturer/Vice-Dean</i>
<i>Pantah, A.</i>	<i>B.A., M.A. (Ghana),(MCILG)</i>	<i>Assistant-Registrar/ Faculty Officer</i>
<i>Sande, A. W.</i>	<i>B.Ed. (UCC, Cape Coast, Gh), MCOM (UDS, Tamale, Gh), CA. (Ghana)</i>	<i>Assistant Accountant/ School Accountant</i>

DEPARTMENT OF MANAGEMENT STUDIES**Staff**

Name	Qualification(s)	Rank/Position
<i>Salakpi, A.</i>	<i>B.Ed. (UCC, Cape Coast, Gh), MBA (KNUST, Kumasi, Gh), ACCA (Inter) (UK), IIA (Gh), CE (Gh)</i>	<i>Senior Lecturer/ HOD</i>
<i>Kpinpuo, J. K.</i>	<i>B.A. (UCC, Cape Coast, Gh), M.A. (Marc Bloch, France), Ph.D. (Purdue, USA)</i>	<i>Senior Lecturer</i>
<i>Wulifan, J. K.</i>	<i>B.Ed. (UCC, Cape Coast, Gh), M.Sc. (KNUST, Kumasi, Gh), Ph.D. (Heidelberg, Germany)</i>	<i>Lecturer</i>
<i>Kaleem, I.</i>	<i>B.Ed. (UJ, Jos, Nigeria), M.Phil., Ph.D. (HUST, Wuhan, China)</i>	<i>Lecturer</i>
<i>Akparep, J.</i>	<i>Adv. Cert. in Business Advocacy (GIMPA, Accra, Gh), Dip. Business, Economics & Commerce (CIC, Jersey, Britain), B.A, M.Phil., Ph.D. (UDS, Tamale, Gh), CE (Gh)</i>	<i>Lecturer</i>
<i>Iddrisu, I.</i>	<i>Cert. ‘A’ (UCC, Cape Coast, Gh), B.A. (UDS, Tamale, Gh), MBA (Beijing, China), Ph.D. (Hefei, China)</i>	<i>Lecturer</i>
<i>Ghartey, B. B.</i>	<i>Dip. Econs, B.Ed, Postgrad. Dip., M.Phil. (UCC, Cape Coast, Gh)</i>	<i>Lecturer</i>
<i>*Dugle, G.</i>	<i>BMS (UCC, Cape Coast, Gh), M.Phil. (UDS, Tamale, Gh)</i>	<i>Lecturer</i>
<i>Abubakari, J .B.</i>	<i>B.A., M.Phil. (Ghana)</i>	<i>Lecturer</i>
<i>*Atami, E. B.</i>	<i>Dip. Ed, B.A. (UCC, Cape Coast, Gh), MSc. (Edinburgh, UK), CIPD Associate (UK)</i>	<i>Lecturer</i>
<i>Tanyeh, J. P.</i>	<i>B.A, M.Sc. (KNUST, Kumasi, Gh)</i>	<i>Lecturer</i>
<i>Abane, S.</i>	<i>B.A., M.Phil. (Ghana),</i>	<i>Assistant Lecturer</i>
<i>Laryea, S. J.</i>	<i>B.A., M.Phil. (UDS, Tamale, Gh), CIAMC Associate (Gh)</i>	<i>Assistant Lecturer</i>

Programmes Offered

- Diploma in Integrated Business Studies
- B.A. Integrated Business Studies (Management)
- Bachelor of Commerce (Human Resource Management)
- Master of Commerce (Human Resource Management)

- M.A. Management Studies
- M.A. Leadership and Development

Publications

Wulifan.J.K.

Wulifan, J. K., Mazalale, J., Kambala, C., Angko, W., Asante J., Kpinpuo, S. D, and Kalolo, A., (2019). Prevalence and Determinants of Unmet Need for Family Planning among Married Women in Ghana: A Multinomial Logistic Analysis of the GDHS, 2014: *BMC Contraception and Reproductive Medicine*, Vol. 4, No. 1, p. 2.

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Kpinpuo S.D.

Dery, T. F.X., **Kpinpuo, S. D.** and Hinson, R. E. (2019). Sustainable Development in Ghana's Gold Mines: Clarifying the Stakeholder's Perspective. *Journal of Sustainable Mining*, Vol. 18, No. 2, 77-84.

Gordon. D

Dugle, G., and Rutherford, S. (2019). Coping with the Supply-side Effects of Free Maternal Healthcare Policies in Seven sub-Saharan African Countries: A Systematic Review. *African Journal of Reproductive Health*, Vol. 23, No. 1, pp. 46-54.

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Akparep, J. Y.

Akparep, J. Y., Bagah, D. A. and Teng-Zeng, F. K. (2019). Students-Management conflicts in Tertiary Institutions in Ghana: A review of their Nature in University for / development Studies from 1999 to 2009. *Journal of Global Peace and Conflict*, Vol. 7, No. 2.

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Iddrisu, I.

- Iddrisu, I.,** Muhideen, S., Shuliang, Z., Abdul-Rahim, A., Amran, S. S. (2019). School Feeding as a Social Protection Programme or a Political largesse. *International Journal of Comparative Education and Development*, Vol. 21, No.1, pp.16-30.
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- Ahmed, A. R, Ahmed, M. **Iddrisu, I,** Abdul, R. N, Amadu, L., (2018), Low Attendance and Transition rates of women at the tertiary level: impact of internet innovation in Ghana. *Education Quarterly Reviews*, Vol.1, No.2, pp. 141-152.

DEPARTMENT OF ACCOUNTING

Staff

Name	Qualification(s)	Rank/Position
Adam, I. O.	B.Sc. (Ghana), M.Sc. (LSE, UK), M.Sc. (Reading, UK), ICA (Gh), Ph.D. (Ghana)	Senior Lecturer/ HOD
Alhassan, M.	BCom (UCC, Cape Coast, Gh), MSc (UDSDB, Bergamo, Italy), CA. (Gh), ACCA (UK), Ph.D. (UDS, Tamale, Gh)	Senior Lecturer
Osman, I.	B.A. (UCC, Cape Coast, Gh), M.Sc. (York, UK), ACCA (UK)	Senior Lecturer
Atchulo, S. A.	B.Sc. (UG, Accra, Gh), M.Sc. (MBS, Manchester, UK), Ph.D. (Milton Keynes, UK)	Lecturer
Allou, L. A.	B.Ed. (UCC, Cape Coast, Gh), M.Sc. (KNUST, Kumasi, Gh)	Lecturer
Azaanamaal, T.	B.Sc., MBA (Ghana)	Lecturer
Afriyie, Y.	B.Sc., M.Sc. (UDS, Tamale, Gh)	Assistant Lecturer
Doe-Dartey, R.	BSc. (UEW, Winneba, Gh), MBA (Ghana), ICA (Gh)	Assistant Lecturer

Programmes Offered

- Bachelor of Commerce (Accounting)
- B.A. Integrated Business Studies (Accounting)
- B.Sc. Accounting
- Master of Commerce (Accounting)

- M.Sc. Accounting

Publications

Adam, I. O.

- Adam, I. O.**, Effah, J., and Boateng, R. (2019). Activity Theory Analysis of the Virtualisation Of Teaching and Teaching Environment in a Developing Country University. *Education and Information Technologies*, Vol. 24, No.1, pp. 251-276.
- Ibrahim, M., **Adam, I. O.**, and Sare, Y. A. (2019). Networking for Foreign Direct Investment in Africa. *Journal of Economic Integration*, Vol. 34, No. 2, pp. 346-369.
- Nangpiire, C., Rodrigues, R.G., and **Adam, I.O.** (2018) ‘Ease of doing business and foreign direct investment inflow among Sub-Sahara African countries’, *Int. J. Business and Emerging Markets*, Vol. 10, No. 3, pp.289–303.

Afriyie, Y.

- Kanyiri, B., **Afriyie, Y.**, and Owusu, A.S., (2018). Online Firms' Management of Customer Risk and Risk Perceptions in Ghana: Evidence of Selected Online Firms. *International Journal of Computer Applications (IJCA)*, Vol. 181, No. 24, pp. 1-6.

DEPARTMENT OF BANKING AND FINANCE

Staff

Name	Qualification(s)	Rank/Position
Bawuah, B.	B.A. (UCC, Cape Coast, Gh), MBA (NKUST, Kumasi, Gh), M.Phil. (UEW, Winneba, Gh)	Senior Lecturer/ HOD
Yakubu, A. S.	B.Sc. (IUCG, Accra, Gh), M.Phil., Ph.D. (Ghana)	Senior Lecturer
Angko, W.	B.A., M.Phil. (Ghana), FCE, (ICEG)	Senior Lecturer
Ibrahim, M.	B.A. (KNUST, Kumasi, Gh), M.Sc. (SOAS, London, UK), Ph.D. (WITS, Johannesburg, SA)	Lecturer
Anaman, D. K.	B.A., EMBA (Ghana), ACCA Part I (UK), Ph.D. (UDS, Tamale, Gh)	Lecturer
Abubakari, R.	B.Ed. (UCC, Cape Coast, Gh), MBA (KNUST, Kumasi, Gh)	Lecturer
Kannyiri, T. B.	B.Sc., M.Phil. (Ghana), Ph.D. (Cape Town, SA)	Lecturer
Dumayiri, M.	B.A. (UDS, Tamale, Gh), M.Phil. (Ghana)	Lecturer
Amoako, S.	B.A., M.Phil. (KNUST, Kumasi, Ghana)	Assistant Lecturer
Abdulai, I.	B.Sc., M.Phil. (Ghana)	
Atuna, L. M.	B.A. (UDS, Tamale, Gh), M.Sc. (Ghana), M.Phil. (KNUST, Kumasi, Gh)	Assistant Lecturer

Programmes Offered

- B.Sc. Accounting and Finance
- Bachelor of Commerce (Finance)
- Master of Commerce (Banking and Finance)
- M.A. Business Planning and Microfinance

Publications

Sare, Y. A.

- Sare, Y. A.,** Aboagye, A. Q. Q., Mensah, L., Bokpin, G. A. (2018). Effect of Financial Development on International Trade in Africa: Does Measure of Finance Matter? *The Journal of International Trade and Economic Development*, Vol. 27, No. 8, pp. 917-936.
- Sare, Y. A.,** Aboagye, A. Q. Q., Mensah, L. (2018). Financial Development, Sectoral Effects and International Trade in Africa: An Application of Pooled Mean Group (PMG) Estimation Approach. *International Journal of Finance and Economics*, Vol. 23, No. 4, pp. 1-20.
- Ibrahim, M., Ibrahim, O. A., **Sare, Y. A.** (2019). Networking for Foreign Direct Investment in Africa: How Important are ICT Environment and Financial Sector Development? *Journal of Economic Integration*, Vol. 34, No. 2, pp. 346-369.
- Nyeadi, J. D., Ibrahim, M., **Sare, Y. A.** (2018). Corporate Social Responsibility and Financial Performance Nexus: Empirical evidence from South African Listed Firms, *Journal of Global Responsibility*, Vol. 9, No. 3, pp. 301-328.
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- Nyeadi, J. D., **Sare, Y. A.,** Aawaar G. (2018). Determinants of Working Capital Requirements in Listed Firms: Empirical Evidence Using a Dynamic System GMM, *Cogent Economics and Finance*, Vol. 6, No. 1, pp. 1558713.

Ibrahim, M.

- Aluko, O. A., and **Ibrahim, M.** (2019). Does Institutional Quality Explain the Lucas Paradox? Evidence from Africa, *Economics Bulletin*, Vol. 39, No. 3, pp. 1687-1693.
- Opoku, E. E. O., **Ibrahim, M.,** and Sare, Y. A. (2019). Foreign Direct Investment, Sectoral Effects and Economic Growth in Africa, *International Economic Journal*, Vol. 33, No. 3, pp. 473-492.
- Opoku, E. E. O., **Ibrahim, M.,** and Sare, Y. A. (2019). The Causal Nexus between Financial Development and Economic Growth in Africa, *International Review of Applied Economics*, pp. 1-24. <https://doi.org/10.1080/02692171.2019.1607264>
- Ibrahim, M.,** Ibrahim, O. A., and Sare, Y. A. (2019). Networking for Foreign Direct Investment in Africa: How important are ICT Environment and Financial Sector Development? *Journal of Economic Integration*, Vol. 34, No. 2, pp. 141-164.
- Ibrahim, M.,** and Alagidede, P. (2018). Effect of Financial Development on Economic Growth in sub-Saharan Africa, *Journal of Policy Modeling*, Vol. 40, No. 6, pp. 1104-1125.

- Boako, G., Tiwari, A. K., **Ibrahim, M.**, and Ji, Q. (2018) Analysing Dynamic Dependence between Gold and Stock Returns: Evidence using Stochastic and Full-range Tail Dependence Copula Models, *Finance Research Letters*, <https://doi.org/10.1016/j.frl.2018.12.008>.
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- Ibrahim, M.** (2018). Interactive Effects of Human Capital in Finance–Economic Growth Nexus in sub-Saharan Africa, *Journal of Economic Studies*, Vol.45, No. 6, pp.1192–1210.
- Alagidede, P., Mensah, J. O. and **Ibrahim, M.**, (2018). Optimal Fiscal Deficit Financing in a Constrained Fiscal Space in Ghana, *African Development Review*, Vol.30, No. 3, 291–303.
- Ibrahim, M.**, and Alagidede, P. (2018). Nonlinearities in Financial Development and Economic Growth Nexus: Evidence from sub-Saharan Africa, *Research in International Business and Finance*, Vol. 46, No. pp. 95–104.
- Koomson, I., and **Ibrahim, M.**, (2018). Financial Inclusion and Growth of Non-Farm Enterprises in Ghana. In Asongu, S. A., and Efobi, U. (2018). *Financing Sustainable Development in Africa*, Palgrave MacMillan, UK, pp. 369-396.

DEPARTMENT OF LAW AND LEGAL STUDIES

Staff

Name	Qualification(s)	Rank/Position
Nsubuga, L. F.	LLB (UCU, Kampala, Uganda), LLM (UOS, Stellenbosh, SA)	Lecturer/HOD
Bagonluri, L. S.	B.Ed. (UCC, Cape Coast, Gh), LLB (Ghana), BL (GSL, Accra, Gh)	Lecturer

DEPARTMENT OF PROCUREMENT AND MARKETING

Staff

Name	Qualification	Rank/Position
Sabutey, G. T.	B.A., MBA, PhD. (KNUST, Kumasi, Gh) Chartered Economist (ICEG, Ghana)	Senior Lecturer/HOD
Aidoo-Berko, E.	Dip. Ed. (UEW, Winneba, Gh), B.Sc. MBA (KNUST, Kumasi), M.Sc. (UCC, Cape Coast, Gh)	Lecturer
Nangpiire, C.	Dip. (UK), B.A. (Ghana), MBA (Netherlands), Ph.D. (Portugal)	Lecturer
*Naatu, F.	B.A., MBA (KNUST, Kumasi, Gh), CIM (Post Grad) (UK)	Lecturer

Programmes Offered

1. Bachelor of Commerce (Marketing)
2. Master of Commerce (Procurement and Supply Chain Management)

Navrongo Campus



3

Faculties

8

Departments



Schools/Faculties under Navrongo Campus

- Faculty of Applied Sciences
- Faculty of Mathematical Sciences
- Faculty of Earth and Environmental Sciences



FACULTY OF APPLIED SCIENCES (FAS)

The Faculty of Applied Sciences is one of the three Faculties of the Navrongo Campus of the University. It is made up of three (3) academic departments namely Department of Applied Biology, Department of Applied Chemistry and Biochemistry and Department of Applied Physics. These departments run programmes such as; B.Sc. Applied Biology, B.Sc. Applied Chemistry, B.Sc. Biochemistry, B.Sc. Applied Physics, B.Ed. Science with options in Biology, Chemistry and Physics (in collaboration with Faculty of Education) and as well as M.Phil./M.Sc./Ph.D. Applied Chemistry.

Office of the Dean

The Faculty of Applied Sciences is headed by a Dean who is assisted by a Vice Dean, a Faculty Officer and Two Principal Administrative Assistants.

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>Senior Lecturer/Dean</i>
<i>Oseini, L. A.</i>	<i>B.Sc. (KNUST, Kumasi, Gh), M.Phil. (Uito-Tromso, Norway)</i>	<i>Senior Lecturer/Vice Dean</i>
<i>Aboyom, I. A.</i>	<i>M.Phil., BA (UDS, Tamale, Gh)</i>	<i>Assistant Registrar/ Faculty Officer</i>
<i>Ateng, M. A.*</i>	<i>M.Phil. (UCC, Cape Coast, Gh), BA (UDS, Tamale, Gh)</i>	<i>Assistant Registrar</i>

*Staff on Study Leave

Student Students Enrolment - 2018/2019 Academic Year

Programme	Male	Female	Sub-Total
B.Sc. Applied Chemistry	102	21	123
B.Sc. Biochemistry	201	64	265
B.Sc. Applied Physics	37	11	48
B.Sc. Applied Biology	162	84	246
Post Graduate Programme	-	-	-
M.Phil./M.Sc.	12	1	13
Ph.D. Applied Chemistry	3	-	3
Total	517	181	698

DEPARTMENT OF APPLIED BIOLOGY**Staff**

Name	Qualification	Rank/Position
<i>Imoro, M. A. W.</i>	<i>B.Sc., Dip. Ed. (UCC, Cape Coast, Gh), M.Sc., Ph.D. (KNUST, Kumasi, Gh).</i>	<i>Senior Lecturer/HoD</i>
<i>Sackey, I.</i>	<i>B.Sc., Dip. Ed. (UCC, Cape Coast, Gh), M.Phil. (Ghana), Ph.D. (Bradford, UK).</i>	<i>Senior Lecturer/Dean</i>
<i>Owusu-Frimpong, M.</i>	<i>B.Sc., M.Sc., (KNUST, Kumasi, Gh), Ph.D. (MSU, Michigan, USA)</i>	<i>Associate Professor</i>
<i>Akabanda, F.</i>	<i>B.Sc. (UDS, Tamale, Gh), M.Phil., Ph.D. (Ghana)</i>	<i>Senior Lecturer/Department Examinations Officer</i>
<i>Adetunde, L. A.</i>	<i>B.Sc. (Ilorin, NIG), M.Sc. (Ibadan, NIG)</i>	<i>Senior Lecturer/Quality Assurance Coordinator</i>
<i>Appiah-Kubi, K.</i>	<i>B.Sc., M.Phil. (Ghana), Ph.D. (China)</i>	<i>Lecturer</i>
<i>Captain-Esoah, M.</i>	<i>B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana), Ph.D. (KNUST, Kumasi, Gh).</i>	<i>Lecturer</i>
<i>Essel, E.</i>	<i>B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana), Ph.D. (Gansu, PRC)</i>	<i>Lecturer</i>
<i>Oduro, A. R.</i>	<i>Ph.D. (London, UK)</i>	<i>Lecturer (Part-Time)</i>
<i>Bonu-Ire, M. S. T.</i>	<i>B.Sc., Dip. Ed. (UCC, Cape Coast, Gh), M.Phil. (Ghana)</i>	<i>Lecturer</i>
<i>Motey, G. A.</i>	<i>B.Sc., M.Phil. (Ghana)</i>	<i>Lecturer</i>
<i>Awo, O.</i>	<i>M.Sc. (Greenwich, UK)</i>	<i>Lecturer</i>
<i>Kombat, E. O*.</i>	<i>B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana)</i>	<i>Lecturer</i>
<i>Dakorah, E. A.</i>	<i>B.Sc. (UDS, Tamale, Gh), M.Phil. (Ghana)</i>	<i>Lecturer</i>

*Staff on study leave.

Publications:**Dr. Fortune Akabanda**

1. Agyei, D., Owusu-Kwarteng, J., **Akabanda, F.**, and Akomea-Frempong, S., (2019). Indigenous African fermented dairy products: Processing technology, microbiology and health benefits. Critical Reviews in Food Science and Nutrition. <https://doi.org/10.1080/10408398.2018.1555133>.
2. **Akabanda, F.**, Parkouda, C., Suurbaar, J., Donkor, A-M and Owusu-Kwarteng, J. (2018). Effects of mechanical dehulling on microbiological characteristics and chemical changes during processing of *Parkia biglobosa* seeds into dawadawa, a West African alkaline fermented condiment. Journal of Ghana Science Association, Vol. 17, No. 2.

Lawrence A. Adetunde

1. Ninkuu, V., **Adetunde, L A.**, Sackey, I. and Diedong, P. (2019). Antifungal efficacy of crude extracts of *Azadirachta indica* and *Vernonia amygdalina* against pathogenic *Aspergillus niger* (ATCC 16404). *Journal of Medicinal Plants Research*. ACCEPTED FOR PUBLICATION.
2. **Lawrence A Adetunde.**, Diedong, P. and Ninkuu, V. (2019): Impact of Abattoir activities on stream quality in Bolgatanta municipality, Ghana -West Africa. *African Journal of Microbiology Research*. ACCEPTED FOR PUBLICATION.

Dr. Kwaku Appiah-Kubi

1. Sam, Y., Edzeamey, F.J., Frimpong, E.H., Ako, A.K. & **Appiah-Kubi, K.** (2018). Prevalence of Soil-Transmitted Helminths among School Pupils in the Upper East Region of Ghana using Direct Mount Technique and Formol-Ether Concentration Technique. *International Journal of Tropical Diseases and Health*, **32(3)**:1-9.
2. Qian, H., **Appiah-Kubi, K.**, Wang, Y., Wu, M., Tao, Y., Wu, Y., & Chen, Y. (2018). The clinical significance of platelet-derived growth factors (PDGFs) and their Receptors (PDGFRs) in gastric cancer: A systematic review and meta-Analysis. *Critical Reviews in Oncology/Hematology*, **127**, 15–28.
3. Wang, Y., **Appiah-Kubi, K.**, Lan, T., Wu, M., Pang, J., Qian, H., Tao, Y., Jiang, L., Wu, Y., & Chen, Y. (2018). PKG II inhibits PDGF-BB triggered biological activities by phosphorylating PDGFR β in gastric cancer cells. *Cell Biology International*, **42(10)**, 1358-1369.
4. Qian, H., Tao, Y., Jiang, L., Wang, Y., Lan, T., Wu, M., Pang, J., **Appiah-Kubi, K.**, Chen, Y., Wu, Y., (2018). PKG II effectively reversed EGF-induced protein expression alterations in human gastric cancer cell lines. *Cell biology international*, **42(4)**, 435-442.

Emmanuel O. Kombat

1. Abdul-Razak, Y and **Kombat, E. O.** (2018). Study on the Evaluation of a High Speed Tagging Device for Nile Tilapia Stock Assessment in the Vunania Dam in Kassena-Nankana District, Upper East Region. *Journal of Experimental Agriculture International*, **27(5)**: 1-8.
2. Alhassan, E. H., Agbeko, E., **Kombat, E. O.** and Kpordzaxor, Y. (2018). Ectoparasite infestation of Nile tilapia (*Oreochromis niloticus*) in Cage Culture at Mpakadam, Ghana. *Ethiopian Journal of Environmental Studies and Management*, **11(5)**: 514 – 525.

DEPARTMENT OF APPLIED CHEMISTRY & BIOCHEMISTRY**Staff**

Name	Qualification	Rank/Position
Donkor, A. M.	B.Sc., Dip. Ed (UCC, Cape Coast, Gh), M.Sc., Ph.D. (LIU, New York, USA)	Associate Professor/HoD
Pelig-Ba, K. B.	B.Sc., Dip.Ed. M.Sc. (UCC, Cape Coast, Gh), Ph.D. (Reading, England)	Associate Professor
Apea, O. B.	B.Sc., M.Sc. (Bayero, Nigeria), Ph.D. (KNUST, Kumasi, Gh)	Senior Lecturer
Abagale, A. S.	B. Sc. (UCC, Cape Coast, Gh), M.Sc. Ph.D. (KNUST, Kumasi, Gh)	Senior Lecturer
Abugri, A. J.	B.Sc., M.Phil., Ph.D. (Ghana)	Senior Lecturer
Oseni, L.A.	B.Sc. (KNUST, Kumasi, Gh), M.Phil. (Uito-Tromso, Norway)	Senior Lecturer
Ibrahim, S.	B.Sc., M.Sc. (KNUST, Kumasi, Gh), Ph.D. (Birmingham, UK)	Lecturer
Oduro-Mensah, D.	B.Sc., M.Phil., Ph.D. (Ghana)	Lecturer
Oyelude, E. O.	B.Tech., M.Sc. (FUT-Owerri/Uniben, Nigeria), Ph.D. (KNUST, Kumasi, Gh)	Lecturer
Chi, V. M.	B.Sc., M.Sc. (Bayero, Nigeria), Ph.D. (KNUST, Kumasi, Gh)	Lecturer
Donkor, M. N.	B.Sc. (UCC, Cape Coast, Gh), M.Sc. (SBU, London)	Lecturer
*Pedavoah, M. M.	B.Sc. (UDS, Tamale, Gh), M.Sc. (KNUST, Kumasi, Gh)	Lecturer
*Dang-I, A. Y.	B.Sc. (UDS, Tamale, Gh), M.Sc. (KNUST, Kumasi, Gh)	Lecturer
Sunwiale, S. S.	B.Sc. (UDS, Tamale, Gh), M.Phil. (KNUST, Kumasi, Gh)	Lecturer
Suurbaar, J.	B.Sc., M.Phil. (UDS, Tamale, Gh)	Lecturer
Mosobil, B. R.	B.Sc., M.Phil. (UDS, Tamale, Gh)	Lecturer

*Staff on Study Leave Abroad

Publications:**Donkor, A. M.**

1. Suurbaar, J., **Donkor, A-M.**, Donkor, N.M., Saeed, M., Alimatu-Sadia, F., and Dankwah, F.S. (2018). Effect of methanol extract of *Anacardium occidentale* (cashew) stem bark on some biochemical parameters of carbon tetrachloride-induced hepatotoxicity in rats. *Int J. Pharm Sci Res*, Vol. 9, No.9
2. Akabanda, F., Parkouda, C., Suurbaar, J., **Donkor, A-M** and Owusu-Kwarteng, J. (2018). Effects of mechanical dehulling on microbiological characteristics and chemical changes during processing of parkia biglobosa seeds into dawadawa, a West African alkaline fermented condiment. *Journal of Ghana Science Association*, Vol. 17, No. 2

Pelig-Ba, K. B.

1. (ii) Bayuo, J., Abukari, M. A., and **Pelig-Ba, K. B.** (2019). Equilibrium isotherm studies for the sorption of hexavalent chromium (VI) onto groundnut shell. *Journal of Applied Chemistry*, Vol. 11, No.12, pp.40–46.
2. Bayuo, J., **Pelig-Ba, K. B.**, and Abukari, M. A. (2019). Optimization of Adsorption Parameters for Effective Removal of Lead (II) from aqueous solution. *Physical Chemistry : An Indian Journal*, 14(1), 1–25.
3. (iii) Bayuo, J., **Pelig-Ba, K. B.**, and Abukari, M. A. (2018). Isotherm Modelling Of Lead (II) Adsorption from Aqueous Solution Using Groundnut Shell as a Low-Cost Adsorbent. *Journal of Applied Chemistry*, Vol. 11, No.11, pp.18–23.

Abagale, S.

1. Sadongo Wedia Victor and Abagale, S. (2018). Phytochemical Screening and Determination of Mosquito Repellence in the Fresh Shoot Systems of *Cassia obtusifolia*, *Hyptis suaveolens* and *Striga hermonthica* using the smoke extract, an Eco-Friendly Approach of Fighting Mosquitoes. *Advanced Research Journal of Plant and Animal Sciences*, Vol.3, No.3. pp. 076-086.

Abugri, J.

1. **Abugri, J.**, Ansah, F., Asante, K., Opoku, C., Amenga-Etego, L., & Awandare, G. (2018). Prevalence of chloroquine and antifolate drug resistance alleles in *Plasmodium falciparum* clinical isolates from three areas in Ghana. *AAS Open Research*, Vol.1, No.1.

Oseni, L. A.

1. Amiteye, D., Quarcoo, A., Azumah, B.K., Aryitey, G.M., **Oseni, L.A.**, Antwi, S. and Korletey, B.T. (2019). An in vivo antiplasmodial activity of aqueous and ethanol crude plant extracts of *Phyllanthus fraternus* using *Plasmodium berghei* Infected balb/c mice, *Journal of Pharmaceutical Research International*, Vol. 25, No.4 pp.1-8.

Ibrahim, S.

1. **Ibrahim, S.**, Santos, R., Bowra, S. (2019). Optimization of Organic Solvent Mediated Solubilisation of Apple Pomace Polyphenolic Compounds Using Response Surface Methodologies. *International Journal of Chemistry*, Vol. 11, No. 2
2. **Ibrahim, S.**, Bowra, S. (2019). Improving Oxidative Stability of Polyphenolic Fraction of Apple Pomace by Encapsulation Using Naturally Occurring Polymers. *Journal of Encapsulation and Adsorption Sciences*, Vol. 9, pp. 83-108
3. **Ibrahim, S.**, Santos, R., and Bowra, S. (2018). Optimization of Subcritical Water Mediated Extraction of Apple Pomace Polyphenolics and their Antioxidant Activity. *J Chromatogr Sep Tech*, Vol. 9, No. 5

Oduro-Mensah, D.

1. **Oduro-Mensah, D.**, Ocloo, A., Lowor, S.T., Mingle, C., Okine, L.K.N-A and Adamafio, N.A. (2018). Biodetheobromination of cocoa pod husks: reduction of ochratoxin content without change in nutrient profile. *Microb. Cell Fact*, Vol. 17, No. 79
2. **Oduro-Mensah, D.**, Ocloo, A., Lowor, S.T., Bonney, E.Y., Okine, L.K.N.A. and Adamafio, N.A. (2018). Isolation and characterisation of theobromine-degrading filamentous fungi. *Mic. Res.*, Vol. 206, pp.16-24.

Oyelude, E.O.

1. **Oyelude, E.O.**, Awudza, J.A.M., Twumasi, S.K. (2018). Removal of malachite green from aqueous solution using pulverized teak leaf litter: Equilibrium, kinetic and thermodynamic study. *Chemistry Central Journal*, Vol.12, No. 81
2. **Oyelude, E.O.**, Awudza, J.A.M., Twumasi, S.K. (2018) Removal of acid blue 40 from aqueous solution by teak leaf litter powder: Kinetics, thermodynamics and equilibrium study. *Journal of Materials and Environmental Science*, Vol. 9, No. 7, pp. 2071-2086.
3. **Oyelude, E.O.**, Awudza, J.A.M., Twumasi, S.K. (2018) Removal of malachite green from aqueous solution using activated carbon prepared from teak leaf litter. *Moroccan Journal of Chemistry*, Vol. 6, No. 4, pp. 708-720.

Chi, V. M.

1. **Mbatchou, V. C.**, Dickson, R.A., Amponsah, I.K, Mensah, A.Y., Habtermariam, S. (2018). Protection effect of the anthraquinones, cassiatorin and aurantio-obtusin from seeds of *Senna tora* against cowpea weevil attack. *Asian Pacific Journal of Tropical Biomedicine*, Vol. 8, No.2, pp. 98-105
2. **Mbatchou, V. C.**, Ghafa, V., Khan, E.M. (2018). Assessment of Piper guineense seed crude flavonoids for attractant activity using *Prostephanus truncatus* (Larger grain borer). *Journal of Agriculture and Ecology Research International*, Vol.16, No.4, pp.1-5
3. Appiah, S.P., **Mbatchou, V.C.**, Adom, D., Ayisi, F. (2018). Pesticidal effects of extracts *Hyptis suaveolens* and *Hyptis specigera* on cowpea weevils. *International Journal of Environment, Agriculture and Biotechnology*, Vol. 3, No.5, pp.1691-1999

Donkor, N.M.

1. Suurbaar, J., Donkor, A-M., **Donkor, N.M.**, Saeed, M., Alimatu-Sadia, F., and Dankwah, F.S. (2018). Effect of methanol extract of *Anacardium occidentale* (cashew) stem bark on some biochemical parameters of carbon tetrachloride-induced hepatotoxicity in rats. *Int J. Pharm Sci Res*, Vol. 9, No. 9.

Pedavoah, M. M.

1. Oosthuizen, D.; Goosen, N.J.; Stander, M.A.; Ibrahim, A.D.; **Pedavoah, M.-M.**; Usman, G.O.; Aderinola, T (2018). Solvent Extraction of Polyphenolics from the Indigenous African Fruit *Ximenia caffra* and Characterization by LC-HRMS. *Antioxidants*, Vol. 7, No. 103.
2. Goosen, D. Oosthuizen, M.A. Stander, A.I. Dabai, **M.-M. Pedavoah**, G.O. Usman (2018). Phenolics, organic acids and minerals in the fruit juice of the indigenous African sourplum (*Ximenia caffra*, Olacaceae), *South African Journal of Botany*, Vol. 119, pp.11–16.
3. **Pedavoah, M.-M.**, Badu, M., Boadi, N. and Awudza, J. (2018) Green Bio-Based CaO from Guinea Fowl Eggshells. *Green and Sustainable Chemistry*, Vol.8, pp.208-219.
4. **Pedavoah, M-M**, Dang-i, A. Y and Ibrahim A. D (2018). Evaluation of the mineral content of selected indigenous vegetables in Upper East Region of Ghana. *Equity Journal of Science and Technology*, Vol. 5, No.1, pp.78-86.

Dang-I, A.

1. Pedavoah, M-M, **Dang-i, A.Y.** and Ibrahim A. D (2018). Evaluation of the mineral content of selected indigenous vegetables in Upper East Region of Ghana. *Equity Journal of Science and Technology*, Vol. 5, No.1, pp.78-86.

Sunwiale, S. S.

1. **Sunwiale S.S.**, Nsiah K., Forgor, A.A. (2018). Screening for obesity and dyslipidaemia in children and young adults residing in rural and urban communities in Kassena Nankana District, Ghana. *International Journal of Biosciences*, Vol. 12, No.4 pp.452-460

Suurbaar, J.

1. **Suurbaar, J.**, Donkor, A-M., Donkor, N.M., Saeed, M., Alimatu-Sadia, F., and Dankwah, F.S. (2018). Effect of methanol extract of *Anacardium occidentale* (cashew) stem bark on some biochemical parameters of carbon tetrachloride-induced hepatotoxicity in rats. *Int J. Pharm Sci Res*, Vol. 9, No.9
2. Akabanda, F., Parkouda, C., **Suurbaar, J.**, Donkor, A-M and Owusu-Kwarteng, J. (2018). Effects of mechanical dehulling on microbiological characteristics and chemical changes during processing of parkia biglobosa seeds into dawadawa, a West African alkaline fermented condiment. *Journal of Ghana Science Association*, Vol. 17, No. 2

DEPARTMENT OF APPLIED PHYSICS**Staff**

Name	Qualifications	Rank/Position
<i>Apori, N.</i>	<i>B.Sc., M.Sc. (Ekpoma, Nigeria), M.Phil. (Ghana)</i>	<i>Senior Lecturer/HoD</i>
<i>Fletcher, J. J.</i>	<i>M.Sc., (Evanston, USA), M.Sc., Ph.D. (Minsk, Belerusia)</i>	<i>Professor</i>
<i>Obawole, A. O.</i>	<i>B.Sc., M.Sc., Ph.D. (Ibadan, Nigeria)</i>	<i>Senior Lecturer</i>
<i>Musah, R.</i>	<i>B.Sc. (UCC, Cape Coast, Gh), M.Phil. (ICTP, Trieste, Italy), Ph.D. (UDS, Tamale, Gh)</i>	<i>Senior Lecturer</i>
<i>Mensah, P. K.</i>	<i>Dip. Ed, B.Sc., M.Phil., Ph.D. (UCC, Cape Coast, Gh)</i>	<i>Senior Lecturer</i>
<i>Amekpewu, M.</i>	<i>Dip. Ed, B.Sc., M.Phil., Ph.D. (UCC, Cape Coast, Gh)</i>	<i>Senior Lecturer</i>
<i>Bayor, J. S.</i>	<i>B.Sc., M.Sc. (KNUST, Kumasi, Gh), Ph.D. (Chengdu, China)</i>	<i>Senior Lecturer</i>
<i>Dotse, S. Q.</i>	<i>B.Sc.(KNUST, Kumasi, Gh), M.Phil. (Ghana), Ph.D. (Darussalem, Brunei)</i>	<i>Senior Lecturer</i>
<i>Aburiya, M. A</i>	<i>M.Sc. (Moscow, USSR), Ph.D. (Moscow, Ukraine)</i>	<i>Lecturer</i>
<i>Owusu, S.</i>	<i>B.Sc., M.Sc. (KNUST, Kumasi, Gh), Ph.D.(Chengdu, China)</i>	<i>Lecturer</i>
<i>Balfour, E. A.</i>	<i>B.Sc., (KNUST, Kumasi, Gh), M.Sc. (Birmingham, UK), Ph.D. (Chengdu, China)</i>	<i>Lecturer</i>
<i>Adazabra, N. A.</i>	<i>B.Sc. (KNUST, Kumasi, Gh), M.Phil. (Ghana), Ph.D. (Tamil Nadu, India)</i>	<i>Lecturer</i>
<i>Bugase, J.</i>	<i>B.Sc. (UDS, Tamale, Gh), M.Sc. (Abuja, Nigeria), Ph.D.(Bayreuth, Germany)</i>	<i>Lecturer</i>
<i>Appiah, S</i>	<i>B.Sc., M.Sc. (KNUST, Kumasi, Gh)</i>	<i>Lecturer</i>
<i>Tindan, T.</i>	<i>B.Ed. (UCC, Cape Coast, Gh), M.Sc. (KNUST, Kumasi, Gh), M.Phil. (UCC, Cape Coast, Gh)</i>	<i>Lecturer</i>
<i>Gyasi-Antwi, D.</i>	<i>B.Sc. (KNUST, Kumasi, Gh), M.Sc.(Augsburg, Germany)</i>	<i>Lecturer</i>

Publications**Dotse, S. Q.**

Dotse, S-Q., Dagar, L., Petra, M. I., & De Silva, L. C. (2018). Application of Computational Intelligence techniques to forecast daily PM₁₀ exceedances in Brunei Darussalam. *Atmospheric Pollution Research* 9 (2), 358-368

Musah, R.

C. J. Etwire, I. Y. Seini, **R. Musah**, O. D. Makinde (2018), Combined Effects of Variable Viscosity and Thermal Conductivity on Dissipative Flow of Oil-Based Nanofluid over a Permeable Vertical Surface, *Diffusion Foundations* Vol. 16, pp. 158-176.

Mensah, P. K.

Philip Mensah *et al* (2018) Scanning digital holography at 10.6 μm for large scene reconstruction. *J. phys. Commu.* **2** 055018

Apori, N.

Christiana Subaar, **Ntiforo Apori**, Justice John Fletcher, Raymond Galyuon, George Edusei, et al. (2018) Time Series Analysis for Prediction of Meteorological Data from Wa, Upper West Region of Ghana. *Climatol Weather Forecasting* 6: 237. doi: 10.4172/2332-2594.1000237

FACULTY OF MATHEMATICAL SCIENCES (FMS)

Introduction

The Faculty of Mathematical Sciences was established in September, 2009 and mandated to provide scholarly training in Mathematical Sciences to students at the various levels of studies. In discharging this mandate, the Faculty contributes immensely to the career development of its products and also impacts positively on the national development agenda. Currently, the Faculty has ten undergraduate programmes with 1,006 students and seven graduate programmes with 70 students. The Faculty also has a staff strength of 57 which comprises 51 teaching staff and six non-teaching staff.

List of Departments

- Department of Mathematics
- Department of Computer Science
- Department of Statistics

Student Population

Programme	Male	Female	Total
Diploma in Statistics	31	7	38
Diploma in Computer Science	128	15	143
B.Sc. Mathematics	53	6	61
B.Sc. Mathematics with Economics	97	10	107
B.Sc. Financial Mathematics	19	2	21
B.Sc. Actuarial Science	69	14	83
B.Sc. Statistics	78	11	89
B.Sc. Computer Science	277	25	302
B.Sc. Information Technology	49	2	51
B.Sc. Computing with Accounting	90	21	111
PGD Mathematics	3	-	3
PGD Statistics	2	-	2
PGD Computer Science	1	-	1
M.Phil. Statistics	17	-	17
M.Phil. Mathematics	16	2	18
Ph.D. Statistics/Biometry	13	2	15
Ph.D. Mathematics	14	-	14
Grand Total	959	117	1,076

Office of the Dean**Staff**

Name	Qualification	Rank/Position
<i>Twum, S. B.</i>	<i>B.Sc., M.Sc., (KNUST, Kumasi, Gh), Ph.D. (Birmingham, UK)</i>	<i>Ass. Professor/Dean</i>
<i>Iddrisu, M. M.</i>	<i>B.Sc., (UCC, Cape Coast, Gh), M.Sc., (NTNU, Norway), Ph.D. (UDS, Tamale, Gh)</i>	<i>Snr. Lecturer/Vice-Dean</i>
<i>Mr. Dinye, A.</i>	<i>B.Ed. Social Science (UCC, Cape Coast, Gh), M.Phil. (Ghana)</i>	<i>Jnr. Asst. Registrar/ Faculty Officer</i>
<i>Mrs. Ali, A. R.</i>	<i>HND (T. Poly, Tamale, Gh.), B. Com. (UCC, Cape Coast, Gh) (ACCA I, Gh) MBA (Ghana)</i>	<i>Faculty Accountant</i>

DEPARTMENT OF MATHEMATICS**List of Staff**

Name	Qualification	Rank/Position
<i>Nantomah, K.</i>	<i>B.Sc. M.Phil. (KNUST, Kumasi, Gh), Ph.D. (UDS, Tamale, Gh)</i>	<i>Snr. Lecturer/HOD</i>
<i>Twum, S. B.</i>	<i>B.Sc., M.Sc., (KNUST, Kumasi, Gh) Ph.D. (Birmingham, UK)</i>	<i>Ass. Professor/Dean</i>
<i>Iddrisu, M. M.</i>	<i>B.Sc., (UCC, Cape Coast, Gh), M.Sc., (NTNU, Norway), Ph.D. (UDS, Tamale, Gh)</i>	<i>Snr. Lecturer/ Vice-Dean</i>
<i>Seidu, B.</i>	<i>B.Sc. (UDS, Tamale, Gh), M.Sc. (KNUST, Kumasi, Gh), Ph.D. (UDS, Tamale, Gh)</i>	<i>Snr. Lecturer/ TTFPP. Coord.</i>
<i>Abdul-Malik, A.</i>	<i>B.Sc. (KNUST, Kumasi, Gh), M.Phil., Ph.D. (Ghana)</i>	<i>Snr. Lecturer/QA Officer</i>
<i>Boah, D. K.</i>	<i>B.Sc. M.Phil. (KNUST, Kumasi, Gh), Ph.D. (UDS, Tamale, Gh)</i>	<i>Snr. Lecturer/Exam. Officer</i>
<i>Adjabui M. J.</i>	<i>B.Sc. M.Sc. (KNUST, Kumasi, Gh), Ph.D. (UDS, Tamale, Gh)</i>	<i>Snr. Lecturer</i>
<i>Andani, A.</i>	<i>B.A., M.Phil., Ph.D. (Ghana)</i>	<i>Lecturer</i>
<i>Mensah, V.</i>	<i>B.Sc. M.Sc. (Ukraine), ACCA (UK)</i>	<i>Lecturer</i>
<i>*Bob-Millar, K. G</i>	<i>B.A. (KNUST, Kumasi, Gh), M.Sc. (Brunel, UK)</i>	<i>Lecturer</i>
<i>*Bonye, F.</i>	<i>B.Sc. (KNUST, Kumasi, Gh), M.Sc. (CrownField, UK)</i>	<i>Lecturer</i>
<i>Luu, Y.</i>	<i>B.Com. (UCC, Cape Coast, Gh), MBA (KNUST, Kumasi, Gh)</i>	<i>Lecturer</i>
<i>Churcher K. A.</i>	<i>B.Ed. (UEW, Winneba, Gh), M.Phil. (UCC, Cape Coast, Gh)</i>	<i>Lecturer</i>
<i>Bankelle, R. B.</i>	<i>BSc, (KNUST, Kumasi, Gh), M.Phil. (Ghana)</i>	<i>Lecturer</i>
<i>*Anafo, S. A.</i>	<i>BSc., MBA (KNUST, Kumasi, Gh),</i>	<i>Lecturer</i>
<i>Alhassan, E. A.</i>	<i>BSc. M.Sc. (UDS, Tamale, Gh)</i>	<i>Lecturer</i>
<i>Asiedu, L. O.</i>	<i>BSc. M.Phil. (UCC, Cape Coast, Gh)</i>	<i>Lecturer</i>
<i>Etwire, C. J.</i>	<i>B.Sc., M.Sc. (UDS, Tamale, Gh)</i>	<i>Lecturer</i>
<i>Abe-I-Kpeng, G.</i>	<i>B.Sc., M.Sc. (UDS, Tamale, Gh) M.Sc. (KNUST, Kumasi, Gh)</i>	<i>Lecturer</i>
<i>Suhaibu, I.</i>	<i>BMS (UCC, Cape Coast, Gh), M.Phil. (Ghana)</i>	<i>Lecturer</i>
<i>Shafiwu, A. B.</i>	<i>B.A., M.Phil. (UDS, Tamale, Gh)</i>	<i>Asst. Lecturer</i>

*Staff on study leave.

Programmes Offered

- M.Phil. Mathematics
- Ph.D. Mathematics
- B.Sc. Mathematics
- B.Sc. Mathematics with Economics
- B.Sc. Financial Mathematics

Research Interests:

Nantomah, K.

- Mathematical Analysis
- Mathematical Inequalities and Applications,
- Special Functions

Twum, S. B.

- Applications of Linear, Nonlinear, and Multi-Objective Optimisation Techniques to Real Problems
- Optimal Systems Reliability Modelling,
- Numerical Analyses and Applications.

Iddrisu, M. M.

- Mathematical Analysis with key interest in Inequalities, Special functions and Applications
- Coding Theory and Cryptography
- Mathematical Statistics and Applications.

Seidu, B.

- Mathematical Biology
- Mathematical Epidemiology
- Data Envelopment Analysis

Abdul-Malik, A.

- Macroeconomics
- Development Economics
- Labour Economics and Migrations Related Studies

Adjabui, M. J.

- Mathematical Statistics
- Probability Theory
- Multiple Comparisons Procedures

Boah, D. K.

- Operations Research (Optimisation Techniques)
- Mathematical Modelling
- Mathematical Methods

Alhassan E. A.

- Coding theory
- Cryptography
- Non-associative algebraic systems

Etwire, C. J.

- Fluid Mechanics
- Differential Equations

Abe-I-Kpeng, G.

- Mathematical Analysis
- Special Functions
- Mathematical Modelling

Iddrisu, S.

- Debt Policy and Firm value,
- Financial Economics,
- Financial Integration and Capital Market Developments

Shafiwu, A. B.

- Food Security
- Efficiency Analysis
- Health Economics

Publications

Atugba, M. A. and **Nantomah, K.** (2019). On Some Inequalities for the Chaudhry-Zubair Extension of the Gamma Function, *Asian Research Journal of Mathematics*, 14(1), 1-9.

Akugre, T. A. and **Nantomah, K.** (2019). On Some Properties of the Real Matrix-Variate Gamma Function, *International Journal of Mathematics and its Applications*, 7(2), 97-103.

Nantomah, K. (2019). On Some Properties of the Sigmoid Function, *Asia Mathematica*, 3(1), 79-90.

Nantomah, K. (2019). Certain Properties of the Nielsen's β -function, *Bulletin of International Mathematical Virtual Institute*, 9(2), 263-269.

- Nantomah, K.** and Yin, L. (2018). Logarithmically Complete Monotonicity of Certain Ratios Involving the k-Gamma Function, *Communications in Mathematics and Applications*, 9(4), 559-565.
- Nantomah, K.** (2018). Extension of complete monotonicity results involving the digamma function, *Moroccan Journal of Pure and Applied Analysis*, 4(2), 207-212.
- Nantomah, K.** (2018). Complete monotonicity properties of a function involving the polygamma function, *Engineering and Applied Science Letters*, 1(1) (2018), 10-15.
- Nantomah, K.** (2018). Inequalities concerning the (p, k)-gamma and (p, k)-polygamma functions, *Note di Matematica*, 38(2), 93-104.
- Nantomah, K.,** Nisar, K. S. and Gehlot, K. S. (2018). On a k-extension of the Nielsen's β -function, *International Journal of Nonlinear Analysis and Applications*, 9(2), 191-201.
- Nantomah, K.** (2018). Some Inequalities for Derivatives of the Generalized Wallis' Cosine Formula, *International Journal of Open Problems in Computer Science and Mathematics*, 11(4), 16-24.
- Nantomah, K.** (2018). On some properties and inequalities for the Nielsen's β -function, *SCIENTIA, Series A: Mathematical Sciences*, 28, 43-54.
- Twum, S. B.**
- Kparib, D. Y., **Twum, S. B.** and Boah, D. K. (2019). A Min-Max Strategy to Aid Decision Making in a Bi-Objective Discrete Optimisation Problem Using an Improved Ant Colony Algorithm. *American Journal of Operations Research*, Vol.9, pp 161-174.
- Kparib, D. Y., **Twum, S. B.** and Boah, D. K. (2018). An Improved Ant Colony System Algorithm for Solving Shortest Path Network Problems. *International Journal of Science and Research*, 7 (12), 1123-1127.
- Iddrisu, M. M.**
- Alhassan S, **Iddrisu, M.M,** Daabo, M.I. (2019). Improved Perceptual Video Encryption Technique using Residue Number System, *Earthline Journal of Mathematical Sciences*, 2(1), 111-125.
- Iddrisu, M.M.** (2019). Steffensen’s Inequality on Time Scales for Convex Functions, *Honam Mathematical Journal*, 41(1), 89-99.
- Alhassan S, **Iddrisu, M.M,** Daabo, M.I. (2018). Perceptual Video Encryption Via Unit Anti-diagonal Matrix, *Applied Mathematics & Information Sciences*, 12(5), 1-7.
- Patrick, M.K., Bankas, E.K, **Iddrisu, M.M.** (2018). RNS Smith-Waterman Accelerator based on the moduli set $2^n, 2^{n-1}, 2^{n-1}-1$, *IEEE 7th International Conference on Adaptive Science & Technology (ICAST)*, 22-24.

Boah, D. K.

Kparib, D. Y., Twum, S. B. and **Boah, D. K.** (2019). A Min-Max Strategy to Aid Decision Making in a Bi-Objective Discrete Optimisation Problem Using an Improved Ant Colony Algorithm. *American Journal of Operations Research*, Vol.9, pp 161-174.

Kparib, D. Y., Twum, S. B. and **Boah, D. K.** (2018). An Improved Ant Colony System Algorithm for Solving Shortest Path Network Problems. *International Journal of Science and Research*, 7 (12), 1123-1127.

Adjabui, M. J.

Adjabui, M. J., Howard, N. K. and Akamba, M. K. (2019). Biostatistical Assessment of Mutagenicity Studies: A Stepwise Confidence Procedure, *Journal of Probability and Statistics*, 2019, Article ID 3249097, 1-8.

Adjabui, M. J., Kpeglo, E. D. and Akrong, C. H. (2019). Identifying maximum safe dose (MSD) in a (k+2)-arm trial under unequal variances. *African Journal of Applied Statistics*, 6(1), 635-647.

DEPARTMENT OF COMPUTER SCIENCE**Staff**

Name	Qualification	Rank/Position
Daabo, M. I.	BSc, M.Sc., Ph.D. (UDS, Tamale, Gh)	Snr. Lecturer/ HOD
Bankas, E. K.	B.Ed. (UEW, Winneba, Gh), M.Ed. (Ohio, Uni., USA), Ph.D. (UDS, Tamale, Gh)	Snr. Lecturer
Armah, K. G.	B.Sc., MBA (Ghana), Ph.D. (UESTC, Chengdu, China)	Snr. Lecturer
Salifu, A. M.	B.Sc. (UDS, Tamale, Gh), M.Sc. (KNUST, Kumasi, Gh), Ph.D. (KWASU, Illorin, Nigeria)	Snr. Lecturer
Baagyere, E. Y.	B.Sc. (UDS, Tamale, Gh), M.Sc. (KNUST, Kumasi, Gh), Ph.D. (UESTC, Chengdu, China)	Snr. Lecturer
Alhassan, A. B.	B.Sc. (UDS, Tamale, Gh), M.Phil. (KNUST, Kumasi, Gh), Ph.D., (UDS, Tamale, Gh)	Snr. Lecturer
Laar, D. S.	B.Sc. (KNUST, Kumasi, Gh), M.Sc. (Manchester, UK)	Lecturer
Yinyeh, M. O.	B.Sc., M.Sc. (UDS, Tamale, Gh)	Lecturer
Akobre, S.	B.Sc., M.Sc. (KNUST, Kumasi, Gh)	Lecturer
Aninyie, W. P.	B.Sc. (CUG, Sunyan, Gh), M.Sc. (KNUST, Kumasi, Gh)	Lecturer
Agubure, M. A.	B.Sc. (UDS, Tamale, Gh), M.Sc. (Ghana)	Lecturer
Agbedemab, A. P.	B.Sc., M.Sc. (UDS, Tamale, Gh)	Lecturer

Programmes Offered

- Diploma in Computer Science
- B.Sc. Computer Science
- B.Sc. Information Technology
- B.Sc. Computing with Accounting

Research interests

Daabo, M. I.

- Digital Logic Design
- Computer Arithmetic
- Residue Number Systems

Bankas, E. K.

- Digital Logic Design
- Computer Arithmetic
- Residue Number Systems

Baagyere Y. E.

- Mobile Sensor Networks
- Information Security/Cryptography
- Complex /Social Networks.

Alhassan, A.

- Computer Hardware and Architecture
- Information Security/Cryptography
- Statistical Computing.

Laar, D. S.

- ICT4D
- Business Process Management (BPM)
- Web Services

Akobre, S.

- Data communication
- Satellite Communication Systems
- Information and Communication Technology.

Agebure, M. A.

- Machine Learning
- Data Mining
- Software Engineering.

Agbedemnab, A. P.

- Computer Arithmetic
- Information Security/Cryptography
- Generic Algorithm.

Armah, K. G.

- Database Management
- Software Engineering and Logic Computing
- Software Defect Prediction.

Salifu, A. M.

- Data Communication and Computer Networks
- Satellite and Wireless Communication Systems
- Data and voice issues

Aninyie, P.

- Call Admission Control
- Resource Utilization in Cellular Networks
- Mobile Commence and Telecommunication Systems.

Yinyeh, M. O.

- Software Development
- Electronic Voting Management Systems.

Publications

Daabo, M. I.

- Aveyom, V., **Daabo, M. I.** and Alhassan A. B. (2019). Efficient Reverse Converter for three ModuliSet $\{2n - 2, 2n - 3, 2n - 4\}$ Sharing a Common Factor. *International Journal of Electrical Engineering (IJEE)*, 12(1), 21-35
- Aveyom, V., **Daabo M. I.** and Alhassan A. B. (2018). An Efficient reverse converter for the three Non- Coprime Moduli Set $\{4, 2n - 1, 2n\}$. *International Journal of Engineering and Technology*, 5(12), 456-463
- Jibreel, F., **Daabo, M. I.**, Yusuf-Asaju, A.W., and Gbolagade, K.A. (2018) Servant-Mod-leach Energy Efficient Cluster Base Routing Protocol for Large Scale Wireless Sensor Network. *The 12th International Multi-Conference on ICT Applications (ACTRA, 2018), November 11th-14th, 2018, African Centre of Excellence, Obafemi Awolowo University, Ile-Ife, Nigeria*, 1-6.
- Alhassan, S., Iddrisu, M. M. and **Daabo, M. I.** (2018). Perceptual Video Encryption Via UnitAntidiagonal Matrix *Appl. Math. Inf. Science*, 12(6), pp. 923-929.

Baagyere, E.

- Turkson, R., Liao, Y. and **Baagyere, E.** (2018). Identity-Based Encryption Technique with Ranking for Multi-Keywords Search in Cloud (IDERMKS). *International Journal of Cyber-Security and Digital Forensics*. (7), 305-316.

- Li, D. F., Wang, R. J., and **Baagyere, E.** (2019). Quantum teleportation of an arbitrary two-qubit state by using two three-qubit GHZ states and the six-qubit entangled state. *Quantum Information Processing*, 18(5), 147.
- Li, D. F., Liu, M., and **Baagyere, E.** (2018). Quantum Decoherence Problem in Quantum Teleportation Process in Two Three-level System. *International Journal of Theoretical Physics*, 57(5), 1591-1596.

DEPARTMENT OF STATISTICS

Staff

Name	Qualification	Rank/Position
Sarpong, S.	B.Sc. (UCC, Cape Coast, Gh), M.Sc. (Uni. of Ibadan, Nigeria) M.Phil. (UCC, Cape Coast, Gh), Ph.D. (Chengdu, China)	Snr. Lecturer/Ag. HOD
Luguterah, A.	B.Sc. (Ghana), M.Sc. (UCC, Cape Coast, Gh), Ph.D. (UDS, Tamale, Gh)	Ass. Professor/ Principal
Abukari, A.	HND. (T-Poly, Tamale, Gh) B.Sc. (UCC, Cape Coast, Gh) M.Sc. Ph.D. (UDS, Tamale, Gh)	Snr. Lecturer/P.G. Coord.
Wiredu, S.	B.Sc. (KNUST, Kumasi, Gh), M.Sc. (Kaiserslautern, Germany)	Snr. Lecturer
Katara, S.	B.Sc. (UDS, Tamale, Gh), M.Phil., Ph.D., (KNUST, Kumasi, Gh)	Snr. Lecturer
Nasiru, S.	B.Sc., M.Sc. (UDS, Tamale, Gh), Ph.D. (PASTI, Nairobi, Kenya)	Snr. Lecturer/Faculty Exam. Officer
**Engmann, G. M.	B.Sc. (UCC, Cape Coast, Gh), M.Sc. (Belgium)	Lecturer
Anang, R. C.	B.Sc. M.Phil., (KNUST, Kumasi, Gh),	Lecturer
*Faisal, A.	B.Sc., M.Sc. (UDS, Tamale, Gh)	Lecturer
Puubalanta, R.	HND. (T-Poly, Tamale, Gh), B.Sc. (UCC, Cape Coast, Gh) M.Phil. (KNUST, Kumasi, Gh)	Lecturer
*Boahen, E.	B.Ed. (UEW, Winneba, Gh), M.Sc. (UDS, Tamale, Gh)	Lecturer
Zamanah, E.	B.Sc. (UDS, Tamale, Gh), M.Sc. (UDS, Tamale, Gh)	Lecturer
**Jakperik, D.	B.Sc. M.Sc. (UDS, Tamale, Gh)	Lecturer
Angbing, I.	B.Sc. (UDS, Tamale, Gh), M.Sc. (North Carolina, Charlotte, USA)	Lecturer
Akamba, M.	B.Sc. M.Phil., (KNUST, Kumasi, Gh)	Lecturer
Logubayom, A. I.	B.Sc. M.Sc. (UDS, Tamale, Gh)	Lecturer
Abonongo, J.	B.Sc. (UDS, Tamale, Gh) M.Phil., (KNUST, Kumasi, Gh)	Asst. Lecturer
Abubakari, A. G.	B.Sc. (UDS, Tamale, Gh) M.Sc. (KNUST, Kumasi, Gh)	Asst. Lecturer

* Staff on Part-time study leave

** Staff on Full-time study leave

Programmes Offered

- Diploma in Statistics
- B.Sc. Actuarial Science
- B.Sc. Statistics
- M.Phil. Statistics
- Ph.D. Statistics/Biometry

Research interests

Sarpong, S.

- Computational Statistics
- Time Series Analysis

Luguterah, A.

- Applied Statistics

Nasiru, S.

- Distribution theory
- Control Charts

Angbing, I.

- Biostatistics
- Applied Statistics
- Multivariate Analysis

Katara, S.

- Mathematical Statistics
- Sample Survey
- Statistical Demography

Logubayom, A. I.

- Distribution theory
- Survival Analysis
- Time Series Analysis

Abonongo, J.

- Actuarial Models
- Financial risk management
- Insurance

Engmann, G. M.

- Biostatistics
- Applied Statistics

Abukari, A.

- Applied Statistics
- Statistical Modelling

Jakperik, D.

- Applied Statistics

Boahen, E.

- Biometrics
- Clinical Trial Estimates
- Missing Values and Survival Analysis

Faisal, A.

- Survival/Longitudinal Data Analysis

Zamanah, E.

- Time Series Analysis
- Statistical Genetics

Abubakari, A. G.

- Financial Mathematics
- Actuarial Science

Wiredu, S.

- Probability
- Stochastic Processes
- Time Series

Akamba, M.

- Applied Statistics

Anang, R.C.

- Data Analysis
- Modelling
- WASH

Puurbalanta, R.

- Spatial Statistics
- Bayesian Statistics
- Discrete Choice Models

Publications

Sarpong, S.

- Tuo G., Yi F., and **Sarpong S.** (2019). A configurational model of reward-based crowdfunding project characteristics and operational approaches to delivery performance. *Decision Support Systems*, vol. 120, pp. 60-71.
- Tuo, G., Yi F., **Sarpong, S.** Wang W-X. (2019). The Second Round Resource Acquisition of Entrepreneurial Crowdfunded Ventures: The Relevance of Campaign and Project Implementation Performance Outcomes,
- Sarpong, S.** (2019). Estimating the probability distribution of the exchange rate between Ghana Cedi and American dollar. *Journal of King Saud University - Science*, 31(2), pp. 177- 183,
- Ocran, E. K., Adebajji O. A. **Sarpong, S.** (2019). Modelling Domestic Tourism Demand for Ghana. *Journal of Tourism, Hospitality and Sports*, vol. 40, pp. 94-109.
- Ocran, E. K., Adebajji, O. A. **Sarpong, S.** (2019). The Impact of Socio-Demographic Factors on Domestic Tourism Consumption Expenditure in Ghana. *Journal of Tourism, Hospitality and Sports*, vol. 41, pp. 35-45.
- Musaminu, I. and **Sarpong S.**, (2019). Statistical analysis of hypertension cases in Savelugu Municipality of Ghana. *East African Scholars Journal of Medical Sciences*, 2(6), pp. 278-286.

Nasiru, S.

- Nasiru, S.**, Peter N. Mwita and Oscar Ngesa (2019). Exponentiated Generalized Exponential Dagum Distribution. *Journal of King Saud University-Science*, **31**: 362-371.
- Nasiru, S.**, Peter N. Mwita and Oscar Ngesa (2019). Alpha Power Transformed Fréchet Distribution. *Applied Mathematics and Information Sciences*, **13**(1): 129-141.
- Nasiru, S.** (2018). Extended Odd Fréchet-G Family of Distributions. *Journal of Probability and Statistics*.
- Nasiru, S.**, Peter N. Mwita and Oscar Ngesa (2018). Exponentiated Generalized Power Series Family of Distributions. *Annals of Data Science*.

Jakperik, D.

- Jakperik, D.**, Odhiambo R., O. and Orwa O. G. (2019). Variance Estimation for Poverty Indicators via Linearization Techniques. *Journal of Computations and Modeling*. Vol. 9 (1): pp 1-9.

- Jakperik, D.,** Odhiambo R., O. and Orwa O. G., (2019). Inference on Poverty Indicators for Ghana. *Journal of Statistical and Econometric Methods*. Vol 8(1), pp. 83 - 96.
- Jakperik, D.,** Odhiambo R., O. and Orwa O. G. (2018). **A Semi-Parametric Multiplicative Bias Reduction Density with a Parametric Start.** *Journal of Advances and Applications in Statistics*. Vol. 53(6), PP 715-729.
- Abonongo, J.**
- Abonongo, J.,** Logubayom, A. I., Nero R. (2019). Half-Life Volatility Measure of the Returns of Some Cryptocurrencies. *Journal of Financial Risk Management*, 8, 15-28.
- Nero R., Oduro F. T., **Abonongo, J.** (2019). Survival Modeling of Infant Mortality. Evidence from Nandom District. *International Journal of Statistics and Applications*, 9(1): 29-35.
- Logubayom, A. I.**
- Abonongo, J., **Logubayom, A. I.,** Nero R. (2019). Half-Life Volatility Measure of the Returns of Some Cryptocurrencies. *Journal of Financial Risk Management*, 8, 15-28.
- Logubayom, A. I.** and Togborjo A. V. (2019). Portfolio optimixation of some stock exchange using the Markowitz mean-variance approach. *Journal of financial risk management*, 8, pp. 29-41.
- Abubakari, A. G.**
- Abubakari, A. G.,** Ngare P. and Mung’atu P. (2018). Pricing interest rate caps and floors under the Peareson-Sun interest rate model. *Applied Mathematical Sciences* 12(20), pp. 975-988.
- Abukari, A.**
- Abdul-Karim I, **Abukari, A.** and Nafiu Amidu (2019). Survival Analysis of Birth Defect Infants and Children with Pneumonia Mortality in Ghana. *Advances in Public Health*, vol. 2019.
- Abdul-Karim, I., **Abukari, A.** & Nafiu, A. (2018). Investigating Spatio-Temporal Pattern of Relative Risk of Tuberculosis in Kenya using Bayesian Hierarchical Approaches. *Journal of Tuberculosis Research*. 06(02), 175-197
- Amidu, N., **Abukari, A.,** Owiredo, W.K., Alidu, H., Antuamwine, B.B., & Abdul-Wahid, M. (2018). Validity and Reliability of the Golombok Rust Inventory of Sexual Satisfaction (GRISS) in Patients with Type 2 diabetes. *Journal of sex & marital therapy*, 1-16.
- Afriyie, L.T., Saeed, B.I.I. & **Abukari, A.** (2018). Determinants of Child Labour Practices in Ghana. *Journal of Public Health*. Pp 1-7.

FACULTY OF EARTH AND ENVIRONMENTAL SCIENCES (FEES)

Introduction

The Faculty of Earth and Environmental Sciences was established in 2017/ 2018 academic year. It was carved out of the Faculty of Applied Sciences (FAS) of the University and currently has two (2) Departments. These are the Department of Environmental Science and the Department of Earth Science, which run undergraduate programmes that lead to the award of BSc in Environmental Science and BSc in Earth Science, respectively. The Departments hope to run Postgraduate programmes in the near future. The Faculty intends to establish two new departments namely, Department of Water, Sanitation and Hygiene (WASH) and Department of Geo-informatics and Spatial Development in the 2018/2019 academic year. These Departments will run undergraduate programmes leading to the award of BSc in Water, Sanitation and Hygiene (WASH) and BSc in Geo-informatics and Spatial Development. The admission of students into these new programmes is expected to start in the 2019/2020 academic year.

The Faculty has a total of Twenty (20) members of staff, which are made up of sixteen (16) academic staff and four (4) administrative staff. Three of the academic staff are currently on study leave. The total number of students in the Faculty currently stands at One Hundred and four (104).

The Faculty had also submitted documents on the Department of Water, Sanitation and Hygiene (WASH) and Department of Geo-informatics and Spatial Development slated to take-off in the 2019/2020 academic year. These Departments will run undergraduate programmes leading to the award of BSc in Water, Sanitation and Hygiene (WASH) and BSc in Geo-informatics and Spatial Development. The admission of students into these new programmes is expected to start in the 2019/2020 academic year.

Faculty Staff Strength

Dean’s Office

Staff

Name	Qualification	Rank/Position
<i>Ampadu, B.</i>	<i>B.Sc (KNUST, Kumasi, Gh), M.Sc (Dar es. Salam, Tanzania), PhD (Lancaster, UK)</i>	<i>Senior Lecturer/Dean</i>
<i>Agalga, J.</i>	<i>B.M.S. (UCC, Cape Coast, Gh) M.Phil (UDS, Tamale, Gh)</i>	<i>Asst. Registrar / Faculty Officer</i>
<i>Adongo, T. G.</i>	<i>BSc (KNUST, Kumasi, Gh)</i>	<i>Senior. Admin. Assistant</i>

DEPARTMENT OF ENVIRONMENTAL SCIENCE**Staff**

Name	Qualification	Rank/Position
Adonadaga, M. G.	B.Sc (UCC, Cape Coast, Gh), M.Sc (KNUST, Kumasi, Gh), PhD (Cottbus, Germany).	<i>Snr. Lecturer/HoD</i>
Ampadu, B.	B.Sc (KNUST, Kumasi, Gh), M.Sc (Dar es Salaam, Tanzania), PhD (Lancaster, UK).	<i>Snr. Lecturer</i>
Biyogue, D. N.	B.Sc, M.Phil (Lome, Togo), M.Sc (Senegal), PhD (Ghana).	<i>Lecturer</i>
Abanyie, S.	B.Sc (Ghana), M.Sc (KNUST, Kumasi, Gh)	<i>Lecturer</i>
Ampofo, S.	B.A (Ghana), M.Sc (KNUST, Kumasi, Gh)	<i>Lecturer</i>
Opoku,* E. A.	B.Sc (KNUST, Kumasi, Gh), M.Phil (Cambridge, UK)	<i>Lecturer</i>
Sidiki-Alare, R.	B.Sc (UDS, Tamale, Gh), M.Phil (Ghana)	<i>Assistant lecturer</i>
Owusu, G.	B.Sc, M.Sc (KNUST, Kumasi, Gh), PGDE (UE, Winneba, Gh)	<i>Assistant lecturer</i>
Awotwi, A.	B.Sc, M.Sc (KNUST, Kumasi, Gh), M.Sc (Sweden)	<i>Assistant lecturer</i>
Akposoe, E. V.	B. A. (Ghana)	<i>Snr. Admin. Assistant. /External Examiner</i>
Horgah, J. N.	MPhil (Ghana), PhD (Yokohama, Japan)	<i>Senior lecturer</i>

Research and Publications**Ampadu, B.**

1. Adou, F., **Ampadu, B.**, Agyepong, N. A. and Soli, O. N. (2018). Assessing Plastic Waste Usage as Additives in Flexible Asphalt Mix for Road Construction. *Journal of Civil and Environment* 10 (2): 32 – 38.
2. **Ampadu, B.**, Boateng, E. F. and Abassa, M. A. (2018). Assessing Adaptation Strategies to the Impacts of Climate Change: A case study of Pungu – Upper East Region, Ghana. *Journal of Environment and Ecology Research*. 6(1): 33 - 44. DOI: 10.13189/eer.2018.060103.
3. **Ampadu, B.**, Sackey, I. and Kyeremeh, F. A. (2017). The impact of continuous cultivation on the soil physical properties along the White Volta River at Pwalugu-Ghana. *Ghana Journal of Science, Technology and Development*. 5 (1): 25 – 34.
4. Abdul-Rahman, I., **Ampadu, B.** and Braimah, M. M. (2017). The causes, effects and disease burden attributable to water and sanitation in the Kasena Nankane Municipality in Ghana. *Journal of Environmental Quality Management*. 26 (4): 17 - 29. DOI: 10.1002/tqem.21501

Adonadaga M. G.

1. Oyegbile, B. A, Hoff, M., **Adonadaga, M.**, (2017). Experimental Analysis of the Hydrodynamics, Flow Pattern and Wet Agglomeration in Rotor-Stator Vortex Separators. *Journal of Environmental Chemical Engineering*. Vol. 5, No. 3, 2115-2127.

Biyogue, D. N.

2. **Biyogue, D.N.**, Abanyie, S.K. and Ampofo S. (2017). Solid waste management challenges in urban areas of Ghana: a case study of Bawku Municipality. *International Journal of Geosciences*, 8: pp. 494-513.
3. Abanyie, S.K., Ampofo S. and **Biyogue, D.N.** (2017). Spatial Overview of the Quality of Groundwater in Some Selected Districts in the Northern Region of Ghana. *Journal of Geosciences and Geomatics*, 2017, Vol. 5, No. 4, 186-194.
4. Abanyie, S.K., Ampofo S. and **Biyogue, D.N.** (2017). Spatial Overview of the Quality of Groundwater in Some Selected Districts in the Northern Region of Ghana. *Journal of Geosciences and Geomatics*, 2017, Vol. 5, No. 4, 186-194.

Abanyie, S. K.

1. Nang Biyogue Douti, **Samuel Kojo Abanyie** and Steve Ampofo (2017). Solid Waste Management Challenges in Urban Areas of Ghana: A Case Study of Bawku Municipality (2017). *International Journal of Geosciences*, 2017, 8, 494-513.
2. **Samuel K. Abanyie**, Steve Ampofo and Nang Biyogue Douti (2017). Spatial Overview of the Quality of Groundwater in some Selected Districts in the Northern Region of Ghana. *Journal of Geosciences and Geomatics*. Vol 5, No. 4, 186 – 194. DOI: 10.12691/jgg-5-4-3.
3. Amadu Casmed Charles, Foli Gordon, **Samuel K. Abanyie** (2017). Rock fracture characterization for solid waste disposal site selection: A Case from sites in the Accra-Tema area, SE Ghana. *World Journal of Environmental Engineering*, 2017, Vol. 5, No. 1, 7-16. DOI: 10.12691/wjee-5-1-2.
4. Amadu Casmed Charles, Gawu Simon K.Y. and **Samuel K. Abanyie** (2018). Experimental Study of Electrical Resistivity to Rock Fracture Intensity and Aperture Size. *Journal of Physics*. Accepted
5. **Samuel K. Abanyie**, Steve Ampofo and Nang Biyogue Douti, (2018). Geospatial Assessment of Groundwater Quality in the Savelugu-Nanton Municipality, Northern Ghana. *African Journal of Applied Research*. Vol. 4, No. 1 (2018), pp. 93-105. <http://www.ajaronline.com> <http://doi.org/10.26437/ajar.04.01.2018.09>.
6. **Samuel Kojo Abanyie**, Nang Biyogue Douti, Casmid Charles Amadu, Ebenezer Ebo Yahans Amuah (2019). Assessing Healthcare Solid Waste Management: A Case Study of the Tamale Central Hospital, Ghana. *Journal of Toxicology and Environmental Health Sciences*. Accepted.

Ampofo, S.

1. Douti, N. B., Abanyie, S. K., & **Ampofo, S.** (2017). Solid Waste Management Challenges in Urban Areas of Ghana: A Case Study of Bawku Municipality. *International Journal of Geosciences*, 8(4), 494–513. <http://doi.org/10.4236/ijg.2017.84026>

Awotwi, A.

1. Francis Yeboah, **Alfred Awotwi**, Eric K. Forkuo and Michael Kumi (2017). Assessing the Land Use and Land Cover Changes due to Urban Growth in Accra, Ghana. *JOBARI*, 22(2): 43-50, 2017
2. **Awotwi, A.**, Anornu, G.K., Quaye-Ballard, J., Annor, T. and Forkuo, E.K., 2017. Analysis of climate and anthropogenic impacts on runoff in the Lower Pra River Basin of Ghana. *Heliyon*, 3(12), p.e00477. <https://doi.org/10.1016/j.heliyon.2017.e00477>
3. **Awotwi, A.**, Anornu, G.K., Quaye-Ballard, J.A. and Annor, T., 2018. Monitoring land use and land cover changes due to extensive gold mining, urban expansion, and agriculture in the Pra River Basin of Ghana, 1986–2025. *Land Degradation & Development*, 29(10), pp.3331-3343. <https://doi.org/10.1002/ldr.3093>
4. **Awotwi, A.**, Geophrey K. Anornu, Jonathan Arthur Quaye-Ballard, Thompson Annor, Eric K. Forkuo, Emmanuel Harris, Jacob Agyekum, John Lawer Terlabie, 2019. Water Balance Responses to Land-use/ Land-cover Changes in the Pra River Basin of Ghana, 1986-2025. *CATENA* (In print).
5. **Awotwi, A.**, Geophrey K. Anornu, Thompson Annor, Jonathan Arthur Quaye-Ballard, Jacob Agyekum, John Lawel Terlabie, Boateng Ampadu. (2019). Modeling the impact of climate change on future streamflow in a tropical basin of Ghana, West Africa. *Ecological Indicators* (In print).

Alare, S. R.

1. **Alare, S.R.**, Owusu, E. H., Owusu, K. (2018). Climate Smart Agriculture Practices in Semi-Arid Northern Ghana: Implications for Sustainable Livelihoods. *Journal of Sustainable Development*. 11(5), pp 57-70. doi:10.5539/jsd.v11n5p57
2. Kumar, P., Sajjad, H., **Alare, S. R.**, Elvidge, C. D., Ahmed, R. & Mandal, V. (2017). Analysis of Urban Population Dynamics based on Residential Buildings Volume in Pakistan Using Operational Linescan System Sensors. *IEEE Sensor Journal*. 17(6), pp. 1656-1662. doi: 10.1109/JSEN.2017.265272

DEPARTMENT OF EARTH SCIENCE**Staff**

Name	Qualification	Rank/Position
<i>Arhin, E.</i>	<i>BSc. MPhil. (KNUST, Kumasi, Gh) PhD (Leicester, UK)</i>	<i>Asso. Prof/HoD</i>
<i>Anim-Gyampo, M.</i>	<i>BSc. MPhil. (KNUST, Kumasi, Gh)</i>	<i>Snr. Lecturer</i>
<i>Zango, M. S.</i>	<i>BSc., MSc. (KNUST, Kumasi, Gh)</i>	<i>Snr. Lecturer</i>
<i>Berdie, B. S.</i>	<i>BSc. (UDS, Tamale, Gh) MPhil (Ghana)</i>	<i>Lecturer/EO</i>
<i>Amadu, C. C.</i>	<i>MSc. (KNUST, Kumasi, Gh)</i>	<i>1. Lecturer</i>
<i>Kazapoe, R. W.</i>	<i>BSc. (UDS, Tamale, Gh) MPhil (Ghana)</i>	<i>Asst. Lecturer</i>
<i>Abu, M.</i>	<i>BSc. (UDS, Tamale, Gh) MPhil (Ghana)</i>	<i>Asst. Lecturer</i>
<i>Dambayi, E.</i>	<i>B.B.A (UE, Winneba, Gh)</i>	<i>Senior Admin. Assistant /External Examiner</i>
<i>Gawu, S. K. Y.</i>	<i>B.Sc. (Ghana), M.Phil (KNUST, Kumasi, Gh), PhD (Witwatersrand, South Africa)</i>	<i>Associate Professor - KNUST</i>

Students Statistics by Gender

Level	Male	Female	Total
100	18	3	21
200	14	6	20
300	16	3	19
400	37	7	44
Total	85	19	104

Staff Development

Staffs are supported for the following:

- Study leave
- Sabbatical leave
- Workshops/conferences
- University inter faculty lectures
- Hamattan school lecture series

Research and Publications**Department of Earth Science****Arhin, E.**

1. **Arhin, E.**, Torkonoo, S., Zango, M. S. and Kazapoe, R. (2018), “Gold in Plant: a biogeochemical approach in detecting gold anomalies undercover- a case study at Pelangio Gold Project at Mamfo Area of Brong Ahafo, Ghana”, Ghana Mining Journal, Vol. 18, No. 1, pp.39-48.
2. **Arhin E**, Zango, M S., and Kazapoe, R. (2017). Characterizing and Indexing Regolith Materials Using Geochemistry towards Hidden Mineral Anomaly Delineation: A Case Study of Savannah Region of NW Ghana. Universal Journal of Geoscience 5(6): 169-182, 2017 <http://www.hrpub.org> DOI: 10.13189/ujg.2017.050602.

3. **Arhin, E.** (2017). “Plant-Soil Interactions an Important Consideration Guide in Advising on Healthy Food for Human Wellbeing”. EC Nutrition 8.4 (2017) 106-108
4. **Arhin, E.** and Kazapoe, R. (2017). Selenium in Locally Produced Food Crops and Implications on Healthy Eating: A Case Study at the Talensi District of Ghana. EC Nutrition 8.3 (2017) 85-92
5. **Arhin., E.** Kazapoe, R., and Zango, M. S (2017). “The Hidden Dangers of Unknowingly Ingesting Harmful Trace Elements from Food Crops and their Health Implications: A Case Study at Talensi District in the Upper East Region, Ghana . EC Nutrition 7.1 (2017) 34-45
6. **Arhin, E** and Zango, M. S (2016). Impact of Trace Elements in the Natural Environment and Public Health: A Medical Geology. Perspective. Annals of Public Health and Research
7. **Arhin, E.** Mouri, H., and Kazapoe, R (2017) Inherent Errors in Using Continental Crustal Averages and Legislated Accepted Values in the Determination of Enrichment Factors (EFs): A Case Study in Northern Ghana in Developing Environmental Policies. J Geogr Nat Disast, an open access journal, Volume 7 • Issue 3 • 1000204J, ISSN: 2167-0587.
8. **Arhin, E.** Captain-Esoah, M., and Berdie, B. S. (2018). Economic importance of termites and termitaria in mineral exploration. In: Sustainable Termite Management. Springer International Publishers, Switzerland: ISBN 978-3-319-68725-3, Springer Publications.
9. **Arhin, E.** 2014. Regolith Geochemistry and Hidden Deposits. (Editor, Andrei Gisca), LAP Lambert Academic Publishing. ISBN: 978-3-659-59183-9, ISBN:-10: 3659591831, EAN: 9783659591839, 268 PP. Published 2014-09-09, Germany.
10. **Arhin, E.,** and Zango, M.S., 2013. Geophagy: implications of unknowingly ingesting arsenic- a case study in selected areas of Ghana, p. 181-196. In: Arsenic: sources, environmental impact, toxicity and human health- a medical geology perspective. ISBN: 978-1-62081-320-1, e-ISBN: 978-1-62081-351-5, NOVA Publications, USA, 372 pp.

Anim-Gyampo, M.

1. **Anim-Gyampo, M.,** Anornu, G. K., Appiah-Adjei, E. K. and Agodzo, S.K. (2019). *Quality appraisal and health risk assessment of groundwaters in shallow aquifers within the Atankwidi basin of northeastern Ghana.* Groundwater for Sustainability and Development, Paper submitted to Groundwater for Sustainability (under review)
2. **Anim-Gyampo, M.,** Anornu, G. K., Appiah-Adjei, E. K. and Agodzo, S.K. (2018). *Groundwater risk assessment of shallow groundwater aquifers within the Atankwidi basin of northeastern Ghana,* Earth Systems and Environment (Springer-Nature). <https://doi.org/10.1007/s41748-018-0077-3>

3. **Anim-Gyampo, M.**, Anornu, G. K., Appiah-Adjei, E. K. and Agodzo, S.K. (2018). *Hydrogeochemical evolution and quality assessment of groundwater within the Atankwidi basin of north-eastern Ghana*. *Arabian Journal of geosciences* (Springer), 11: 439. <https://doi.org/10.1007/s12517-018-3753-6>

Zango, M. S.

1. Arhin, E., Torkonoo, S., **Zango, M. S.** and Kazapoe, R. (2018), “Gold in Plant: a biogeochemical approach in detecting gold anomalies undercover- a case study at Pelangio Gold Project at Mamfo Area of Brong Ahafo, Ghana”, *Ghana Mining Journal*, Vol. 18, No. 1, pp. 39 - 48.
2. Sunkari E.D, **Zango M. S** and Korboe, H.M. (2018). Comparative Analysis of Fluoride Concentrations in Groundwaters in Northern and Southern Ghana: Implications for the Contaminant Sources. *Earth Systems and Environment*. Springer International Publishing AG. <https://doi.org/10.1007/s41748-018-0044-z>
3. Sunkari E.D. and **Zango M. S.** (2018). Preliminary Investigation of the Geologic Controls of Graphite Mineralization and Exploration Potential of the Wa-Lawra Belt: Implications for Kambale Graphite Deposit. *Journal of Environmental and Earth Science*; 8 (3): 77-89.
4. Arhin E., **Zango, M. S.** and Kazapoe R. (2017). Characterizing and Indexing Regolith Materials Using Geochemistry towards Hidden Mineral Anomaly Delineation: A Case Study of Savannah Region of NW Ghana. *Universal Journal of Geoscience* 5(6): 169-182. DOI: 10.13189/ujg.2017.050602.
5. Arhin E., Kazapoe R. and **Zango, M. S.** (2017). The Hidden Dangers of Unknowingly Ingesting Harmful Trace Elements from Food Crops and their Health Implications: A Case Study at Talensi District in the Upper East Region, Ghana. *EC Nutrition* 7.1: 34-45.
6. Abu Mahamuda and **Musah Saeed Zango** (2017). Geochemical characteristics of the Neoproterozoic Anyaboni sandstone of the southeastern Voltaian Basin, Ghana. *Scientific Research Journal (SCIRJ)*, 5(6): 54-65,

Miss Berdie S. B.

1. **Arhin, E.** Captain-Esoah, M., and Berdie, B. S. (2018). Economic importance of termites and termitaria in mineral exploration. In: *Sustainable Termite Management*. Springer International Publishers, Switzerland: ISBN 978-3-319-68725-3, Springer Publications.

Amadu, C. C.

1. **Amadu, C. C.**, Foli, G. and Abanyie, S. (2017). *Rock fracture characterisation for solid waste disposal site selection: A Case from sites in the Accra-Tema area, SE*. *World Journal of Environmental Engineering*, 2017, Vol. 5, No. 1, pp 7-16.

2. **Amadu, C. C.**, Gawu, S. K. Y. and Appiah-Adjei, E (2018). *Measurement and Characterisation of Fractures in Parts of the Togo Structural Units (TSU) and Dahomeyan Formation, SE Ghana*. Journal of Natural Sciences Research. Vol.8, No.4, 2018, pp 22-37.
3. **Amadu, C. C.**, Appiah-Adjei, E. and Musah, R. (??). Numerical Modeling of Contaminant Transport in Fractured Crystalline Rocks (FCR) in the Accra-Tema Area, SE Ghana. Under review, Journal of Science and Technology, Kumasi, Ghana.
4. **Amadu, C. C.**, Gawu, S. K. Y. and Abanyie, S. (2018). Experimental Study of Electrical Resistivity to Rock Fracture Intensity and Aperture Size. International Journal of Physics. Vol. 6, No. 3, 85-92. Available online at, <http://pubs.sciepub.com/ijp>.

Kazapoe, R.

1. Arhin, E., Torkornoo, S., Zango, M. S., and **Kazapoe, R. W** (2018). Gold in Plant: A Biogeochemical Approach in Detecting Gold Anomalies Undercover-A Case Study at Pelangio Gold Project at Mamfo Area of Brong Ahafo, Ghana. *Ghana Mining Journal*, 18(1), 39-48.
2. Arhin, E., **Kazapoe, R.**, and Mahamuda, A (2018). Medical Geology and Health: An Approach to Address Diseases Related to Natural Environment-Reviewing the Ghanaian Situation.
3. Arhin, E., Zango, M. S., and **Kazapoe, R** (2017). Characterizing and Indexing Regolith Materials Using Geochemistry towards Hidden Mineral Anomaly Delineation: A Case Study of Savannah Region of NW Ghana.
4. Arhin, E., Mouri, H., and **Kazapoe, R** (2017). Inherent Errors in Using Continental Crustal Averages and Legislated Accepted Values in the Determination of Enrichment Factors (EFs): A Case Study in Northern Ghana in Developing Environmental Policies. *J Geogr Nat Disast*, 7(204), 2167-0587.
5. Arhin, E. **Kazapoe, R.** And Zango, MS. (2017). “The Hidden Dangers of Unknowingly Ingesting Harmful Trace Elements from Food Crops and Their Health Implications: A Case Study at Talensi District in The Upper East Region, Ghana”. *EC Nutrition* 7.1: 34-45.
6. Arhin, E. And **Kazapoe, R** (2017). Selenium in Locally Produced Food Crops and Implications on Healthy Eating: A Case Study at The Talensi District of Ghana.

Mahamuda, A.

1. **Mahamuda A.**, Emmanuel D. S., Mehmet Ş. (2018). (Under Review). Untapped Economic Resource Potential of the Neoproterozoic to Early Paleozoic Volta Basin, Ghana: A Review. *J. Natural Resources Research, Elseviers*.
2. Emmanuel Arhin, Raymond Kazapoe and **Abu Mahamuda**. (2018) (Preprint). Medical Geology and Health: An Approach to Address Diseases Related to Natural Environment-Reviewing the Ghanaian Situation. doi: 10.20944/preprints/201806.0251.v1.

3. E. Arhin, **A. Mahamuda** and Zango. M.S. (*Submitted*). Environmental and Affordable Housing Material - The Use of Bricks and Tiles in Reducing Housing Deficits in Developing Countries: A Case Study at Bongo District, Ghana. *Ghana Mining Journal*, Vol. 18.
4. Emmanuel Daanoba Sunkari, **Mahamuda Abu**, Patrick Bayowobie, Uğur Erdem Dokuz (*Under review*). Hydrogeochemical Appraisal of Groundwater Quality in the Ga West Municipality, Ghana: Implication for Domestic and Irrigation Purposes. *J. of Groundwater Sustainability, Elseviers*
5. **Mahamuda Abu**. (2018). Sedimentary facies and depositional environments of the neoproterozoic sediments of the Gambaga- Nakpanduri massifs, Voltaian Basin. *J. of Geo and Min Res. (JGMR)*. Pp. 48 – 56. <https://doi.org/10.5897/JGMR2017.0285>
6. Emmanuel Daanoba Sunkari, **Mahamuda Abu**, Patrick Suuchullo Bayowobie, Uğur Erdem Dokuz. (2018). Assessment of Seawater Intrusion into the Coastal Aquifer of Ga West Municipality, Ghana. *Internationally participated Cappadocia Geosciences Symposium 24-26 October, Niğde, Turkey*. P.257 – 261.
7. Emmanuel Daanoba Sunkari, **Mahamuda Abu**, Patrick Bayowobie, Uğur Erdem Dokuz. (2018). Hydrochemistry of groundwater in the coastal region of Ga West Municipality, Ghana: implication for quality assessment. *International participated Cappadocia Geosciences Symposium, 2018, Niğde, Turkey*.
8. **M. Abu** and M.S. Zango. (2017). Geochemical characteristics of the Neoproterozoic Anyaboni sandstone of the southeastern Voltaian Basin, Ghana. *Scientific Research Journal (SCIRJ)*, Volume V, Issue XI, 54 ISSN 2201-2796
9. C. Y. Anani, **A. Mahamuda**, D. Kwayisi, D. K. Asiedu. (2017). Provenance of sandstones from the Neoproterozoic Bombouaka Group of the Volta Basin, northeastern Ghana. *Arab J Geosci* 10:465. <https://doi.org/10.1007/s12517-017-3243-2>

Graduate Studies and Research

- The Faculty intends to run graduate programmes in all the undergraduate programmes currently run and envisaged programmes. Documents of these programmes have been approved by the Graduate School and Academic Board of the University.

Quality Assurance Issues

- The Faculty and Departments have Quality Assurance officers
- Courses are assigned to lecturers by the Head of Departments based on their specialization.
- Students also assess lecturers and a report is submitted to management at the end of the Trimester.
- There is continuous assessment of students by lecturers which is 25% and end of trimester examination is 75%, giving a total mark of 100%.

- Examination questions are set by lecturers, but go through internal moderation at the Departmental level by a Committee headed by the HoDs.
- These questions are then sent out by the HoDs for external moderation before examinations are conducted.
- Examination results are discussed and vetted at the departmental and Faculty Boards respectively.
- Post moderation of marked scripts are also carried out to ensure that marking reflects marking schemes and marks are appropriately recorded.
- The new programmes of the Faculty will start in 2019/2020 academic year.

Programme Accreditation

- Documents of ongoing programmes have been submitted for re-accreditation

Students - Staff Ratio

The Faculty’s Academic staff strength is sixteen (16) Lecturers, and the student population is One hundred and four (104); students, staff ratio is 7:1. However, lecturers of the Faculty teach students in the Sister Faculties with large numbers. Postgraduate programmes are coming on board.

Other Academic Issues

- Industrial Attachment/Visits
- Field Trips (Newmont, WASCAL, Water Treatment Plants,
- Field Mapping
- Seminars Series
- Formation of Students Chapter of Professional bodies (WAIMM, SEG)

Affiliation (Mentorship)

- University of Ghana, Legon, from 2010-2014 (Earth Science Department)
- Kwame Nkrumah University of Science and Technology (External Examiners)
- Faculty of Applied Science (Mother Faculty)

School-Student Engagement

- Course Tutors
- Patrons of Departmental Associations
- Faculty Fora
- Course Tutors
- Departmental Seminars
- Career Talks