

# ALBERT BANUNLE, PhD, MEnvSc

## 1. PERSONAL DETAILS

### 1(a). Contact Details

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**Postal Address:**

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KNUST, Kumasi.

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**Current residential Address:**

V85, Bimfo-Akora Street,  
AO-067-8023,

New Bakoyeden, Obuasi,  
Ashanti Region, Ghana

### 1(b) Professional Profile and Research Interest

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Dr. Albert Banunle is a dedicated lecturer in the Department of Environmental Science at KNUST and a multidisciplinary environmental research consultant, with over a decade of experience in environmental science and management. His expertise spans circular and climate-smart agriculture, waste management and bioresource valorisation, environmental impact assessment, and human security, grounded in both natural sciences and the humanities through a PhD and MSc in Environmental Science and an MSc in Environmental Partnership Management degree. At KNUST, he is actively involved in teaching, research, student supervision, curriculum development and community engagement, while also collaborating on local and international projects addressing urgent environmental challenges. His consultancy work with prominent organisations reflects a strong commitment to sustainability and innovation, and his exceptional track record in teaching, research, and service continues to make a lasting impact within academia and beyond.

## 2. EDUCATION

### 2(a). Universities Attended with Academic Degrees And Class

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- I. Kwame Nkrumah University of Science and Technology, Kumasi, Ghana |2018-2023|  
**PhD Environmental Science**
  - II. University of Aberdeen, Aberdeen (UK) |2020 -2021|  
**M.Sc. Environmental Partnership Management** (Distinction)
  - III. Kwame Nkrumah University of Science and Technology, Kumasi (Ghana) |2014 -2017|  
**M.Sc. Environmental Science**
  - IV. Kwame Nkrumah University of Science and Technology, Kumasi (Ghana) |2008 -2012|  
**B.Sc. Agriculture** (Second Class Upper Division)

## 2(b) Training Programmes and Certificate Courses

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- I. *NGO Projects and Operation Management*, Cambridge Centre of Excellence, Accra| November 2016|
- II. *Quantitative Risk Modelling*, Kwame Nkrumah University of Science and Technology | Kumasi, Ghana |2016|
- III. *Stata for Econometric Analysis*, Kwame Nkrumah University of Science and Technology | Kumasi, Ghana |2016|

## 2(c) Fellowships, Scholarships and Awards/Honours

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- I. **DANIDA Building Stronger Universities (BSUIII) Fellowship:** awarded by DFC for a Doctor of Philosophy Degree at the Kwame Nkrumah University of Science and Technology with Secondment at Aarhus University in Denmark from 2018 to 2023.
- II. **Commonwealth Shared Scholarship:** awarded by the UK Foreign and Commonwealth Development Office (FCDO) and the University of Aberdeen to study for an M.Sc. Environmental Partnership degree in the UK from 2020 to 2021.
- III. **Scottish Innovative Student Award (SISA III-INNOVATION CHAMPION):** awarded by the Scottish Institute for Enterprise (SIE) for demonstrating competence in self-awareness and self-efficacy, being flexible and adaptable, opportunity recognition, creative problem-solving, collaboration, communication, and research.

## 2(d) Continuous Career Development Workshop And Seminars

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- I. OGR(KNUST) Grant proposal writing retreat |13th-17<sup>th</sup> November, 2023|
- II. College of Science (KNUST) PhD supervision workshop for Senior Members|13-15<sup>th</sup> February 2024

## EMPLOYMENT

### 3(a). Professional Work Experiences

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**Lecturer**, Kwame Nkrumah University of Science and Technology |2023-Date|

- Curriculum development, preparation of course materials and teaching of undergraduate and postgraduate programmes in the Department of Environmental Science
- Designs and conducts academic assessments—written and practical—for students enrolled in Environmental Science programmes and as internal examiner for MSc and MPhil Environmental Science candidates

- Writes and submits competitive research funding proposals individually and collaboratively for projects on environmental management and sustainable development.
- Leads and contributes to independent and collaborative research efforts, publishing findings in high-impact, peer-reviewed scientific journals.
- Actively participates in academic conferences, workshops, and professional development programmes to enhance teaching and research capabilities.
- Serves as Patron of the departmental student association, offering leadership, mentorship, and strategic guidance for student-led initiatives and activities.

***Assist Lecturer***, Kwame Nkrumah University of Science and Technology |**2022-2023**|

- developed course materials and taught undergraduate courses such as Environmental Management, Solid Waste Management, and Agroecology.
- supervised and mentored over 5 undergraduate students to complete their project work successfully.
- participated in and made presentations at international research conferences and partner universities abroad, sharing my research output.
- took part in professional development and capacity building in research and grant proposal writing workshops to enhance my professional expertise.
- established positive relationships with students, project partners, and colleagues for enhanced collaboration in teaching and research.

***Knowledge Hub Coordinator***, The Commonwealth Scholarship Commission, UK |**2020-2021**|

- served as one of the primary contacts for over 500 Commonwealth Scholars conducting research or studying programmes related to strengthening resilience and response to crises in the UK.
- collaborated with three (3) other coordinators to provide relevant engagement content, shared opportunities, and organised monthly workshops for Commonwealth Scholars in the UK.

***Grad Assistant***, Kwame Nkrumah University of Science and Technology, |**2019-2020**|

- was actively engaged in providing administrative and research assistance to the head of the department and other faculty members of the Department of Environmental Science of the university.

- set up projectors and organised teaching materials for lecturers in the department and also reviewed writeups and guided 5 undergraduate students to write their projects, complete them successfully and graduate.

### **3(b). Research Projects Worked On and Accomplishments**

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#### **Expert Consultant, African Union Centre for Counterterrorism (AUCTC), (2024-2024)**

##### **Project: Nexus Between Natural Resource Governance and Terrorism Financing in Africa.**

- conducted research that discovered how illegal exploitation of natural resources is diverted into terrorism financing in Africa.
- made a presentation with proposed solutions to terrorism financing in Africa through natural resource exploitation and its environmental implications at an expert workshop with AU member states at the AUCTC.
- proposed environmental management and governance solutions for countering the exploitation of natural resources for terrorism financing.

#### **Field Researcher, DANIDA-Building Stronger Universities Programme (2018-2023)**

##### **Project: Bioresource management and climate-smart agriculture in the Owabi Catchment**

- conducted a reconnaissance survey to identify stakeholders and build a report for the implementation of an intervention for sustainable waste and water resources management.
- conducted research that demonstrated the feasibility of composting and biochar production as a sustainable and environmentally friendly solution to organic waste and invasive plant management challenges.
- Using Lifecycle analysis (LCA) and Cost-benefit analysis (CBA), I determined the economic viability of invasive plants and biowaste valorisation investments in the Owabi catchment.
- served as the first and corresponding author for three published articles from the project and made an oral presentation at an international research conference.
- organised and coordinated two knowledge dissemination workshops for local stakeholders and entrepreneurs to be trained in technologies for biomass conversion and biorefinery business for sustainable management of biowaste.

#### **Research Consultant, United Nations Development Programme (UNDP) and the West Africa Network for Peacebuilding (WANEP) joint project on a *survey of citizens' perception of good governance in West Africa*. [2022]**

- developed an outline for the research report that was approved by the WANEP Project Team.

- produced the research report, including the data analysis of the field data from the Kobo Collect toolbox.
- produced a PowerPoint presentation of the research findings based on the research report.
- participated in the workshop to validate the findings of the research.

**Researcher**, The Commonwealth Secretariat and JET Educational Service project on *the Impact of COVID-19 on Education Systems in the Commonwealth* | June 2020 to July 2020|

- worked with nine (9) other researchers across different commonwealth countries on the preparedness and resilience of education systems to COVID19 and future pandemics.
- led the design of the project methodology and data collection strategies.
- provided an analysis of Ghana's Government policy and response strategy to Covid19 with a focus on building resilience in the education system against future pandemics.
- contributed to the compilation of the final report of the research project and manuscript.

**International Research Consultant**, African Centre for the Study and Research on Terrorism (ACSRT) of the AU research project on *the impact of Foreign Terrorist Fighters (FTFs) on terrorism in the Sahel-Sahara Region*| August 2019 to March 2020|

- conducted a study on the impact of Foreign Terrorist Fighters (FTFs) on terrorism in the Sahel-Sahara Region using social network analysis.
- visited and conducted surveys with key informants in Mali and Niger to collect primary information on the movement and activities of FTFs in the Sahel.
- prepared a study report presented to the AU.
- produced two policy briefs based on the study findings.

**Field Supervisor, World Food Programme (2018-2018)**

**Project: Asset Creation for Resilience**

- participated in and contributed to the success of a 3-day workshop for the validation of questionnaires and training of enumerators for fieldwork.
- led community entry and stakeholder engagement for field research work in selected communities.
- successfully led a team of 4 teaching and research assistants for a two-week data collection exercise in the Upper West Region of Ghana, managing the budget, resolving conflicts, and ensuring quality work.
- produced a comprehensive report on the evaluation of the asset created by WFP for poverty evaluation with recommendations and a roadmap for the way forward.

**Associate Research Consultant**, Commonwealth of Learning (COL) and General Agricultural Workers Union (GAWU) sponsored project *on baseline survey for the implementation of Lifelong Learning for farmers (L3F) in Ghana | March 2014 to December 2014*

- planned and carried out a baseline survey on Lifelong Learning for Farmers (L3F) in the Northern region of Ghana.
- conducted an analysis and prepared a report with a roadmap used in the implementation of the L3F project in Ghana.
- conducted a learning need assessment of self-help groups (SHGs) of farmers in the Northern Region of Ghana.
- provided reports and recommended training needs for SHGs of farmers in Ghana.

### 3(c) Teaching Experience

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#### Courses Taught (undergraduate level)

Course	Credit hours	22/23	23/24	24/25	25/26
ENVS153: Biogeography	2	✓	✓	✓	
ENVS 253 Agro-Ecology	2	✓	✓	✓	
ENVS 351 Solid Waste Management	3	✓	✓	✓	
ENVS 354 Project Analysis & Evaluation	3	✓	✓	✓	
ENVS 366 Climate Change: Impacts & Adaptations	2		✓	✓	
ENVS 368 Statistics for Environmental Scientists	2		✓	✓	
ENVS 451 Environmental Management I	3	✓	✓	✓	
ENVS 452 Environmental Management II	3	✓			
ENVS 252: Environmental Pollution				✓	

## **SERVICE TO COMMUNITY/NATION**

### **4(a) Nation**

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#### **Member, Committee for Development of PhD Sustainable Food System (KNUST) 2025**

- I collaborate with a multidisciplinary team of academics and industry stakeholders to design and develop the curriculum for a new PhD programme in Sustainable Food Systems.
- My role involves integrating scientific, environmental, and socio-economic perspectives to ensure the programme addresses current and future challenges in food sustainability, while aligning with national and global development goals

#### **Member, Preliminary Environmental Assessment Team (St. Thomas Cathedral), 2025**

- I participated in field visits and reconnaissance surveys of new sites earmarked for development by the Church.
- I led the analysis of the environmental implications of the development of the proposed site into a building for a library and music training centre.
- I work with the team to compile preliminary environmental assessment reports and make recommendations for alternative projects to the Church.

#### **Guest Speaker, Circularize for Change, 2025**

- I developed key points and review questions for a talk on ending plastic waste pollution in Ghana.
- I delivered a talk and response to questions on how pro-environmental behaviour can be promoted to address plastic waste challenges in Ghana.

#### **Sub-team Member, Technical Committee for Biofuel Development (GoG), (2024)**

- I led the team to identify environmental impact indicators for biofuel development and commercialisation.
- I led the team through research on Greenhouse Gas Life Cycle Assessment (GHG LCA) for different scenarios of biofuel commercial development in the country.
- I contributed to presentations and reports that led to the development of a National Biofuel Action Plan to guide the Ministry of Energy and other agencies from 2025 to 2035.
- I delivered a talk and responded to questions on how pro-environmental behaviour can be promoted to address plastic waste challenges in Ghana.

## Convener, Youth in Sustainable Development and Pro-Environmental

### Behaviour workshop (2024)

- I developed a proposal, secured funding, and recruited and trained facilitators and volunteers for the workshop.
- I planned and organised a workshop to create awareness about sustainable development and promote the adoption of behavioural solutions to address environmental challenges
- I developed materials for a presentation and video documentary on the concept of sustainable development principles, challenges and solutions.

### Debate Judge, World Environment Day (2024)

- I planned and served on a panel of judges for an inter-school debate on World Environment Day on desertification and land restoration.
- I interacted with participants (students) and gave a key points talk that summarised and highlighted emerging solutions to growing desertification and deforestation in Ghana.

## 4(b) University

### i. Thesis Supervision

Programme: Environmental Science

Name of student	Degree	Topic	Status
Rita Ohemeng	MSc	<i>Developing An Integrated Solid Waste Management System for Managing Solid Waste in Developing Countries: A Case Study of Accra, Ghana</i>	Completed
Theophilus Tabir	MSc	<i>Socioeconomic drivers and health risk of waste scavenging in the Sunyani Municipality</i>	Completed
Prince Kudzo Afeleleh	BSc	<i>Utilisation of Cocoa (Theobroma cacao) Pods Husk and Ackee (Blighia sapida) Fruit Waste for Biochar Production in Ghana.</i>	Completed
Bronyah Angela	BSc		
Morgan Patrick	BSc		
Naphilia Arkoh	BSc	<i>Localising Technology for Household Level Compost Production Within Resource-Poor Settings: An Innovative Approach to Sustainable Waste Management</i>	Completed
Susuana Oforiwah Boateng	BSc		
Andy Antwi	BSc	<i>Analysis of the Ecological footprint of students on the Obuasi campus of KNUST</i>	Completed
Abigail Janamah	BSc	<i>Optimal combination of compost and biochar for crop yield and GHG Emission Reduction</i>	Completed
Kingsley King Kwofie	BSc	<i>Waste Management and Resource Recovery Practices in the Obuasi Municipality</i>	Completed
Emmanuel Acheampong	BSc	<i>5Multiple Decision Criteria Analysis of plastic waste management options among households in the Obuasi Municipality</i>	Completed



*MSC Industrial Finance and Investment Programme*

Name of student	Degree	Topic	Status
KORANTENG, Emmanuel	MSc	Valuing Return on Corporate Social Responsibility Investment Among Selected Banks in Ghana	Completed
KARIKARI, Abigail	MSc	Effect Of Government Securities on Banking Sector Profitability in Ghana	Completed
OFORI, Darlington Elorm Kwame	MSc	Corporate Governance Structures and Financial Performance of Quoted and Unquoted Firms in Ghana.	Completed
ATISU, Jerome Christopher	MSc	Board Gender Diversity and Financial Performance of Listed and Unlisted Firms in Ghana.	Completed

**ii. Thesis Examination/Assessment**

Name of student	Degree	Topic	Role
OSEI AMPONG, Richard	MPhil	Comparison Of the Effectiveness and Efficiency of The Activities of Formal and Informal Waste Collectors In The Suame Municipal In The Ashanti Region, Ghana	Internal Examiner
APPIAH-DANQUAH, Daniel	MSc	The Management of The Major Components Of Solid Waste In Senior High Schools In The Cape Coast Metropolis.	Internal Examiner
ABROKWAH, Jennifer	MSc	Edge Effects On Tree Community Structure And Soil Properties	Internal Examiner
	MSc	In The Bobiri Forests Reserve, Ghana	
DJIRACKOR, Deladem	MSc	Abattoir Waste Management In Accra.	Internal Examiner
ADIBASE, George Atanga	MSc	Impacts Of Solid Waste Management in Healthcare Facilities And Their Environmental Challenges In West Mamprusi Municipality	Internal Examiner
ANAMAN, Emmanuel	MSc	Assessing The Occupational Hazards and Safety Practices Among Clinical Staff At Suntreso Government Hospital	Internal Examiner
SULEMANA, Mohammed	MSc	Effectiveness Of Environmental Impact Assessment for Developmental Projects in Central Region, Ghana	Internal Examiner
DAHAMANI, Sylvester Badizemna	MSc	Smallholder Soybean Farmers' Perceptions and Adaptation Practices To Climate Variability In The Gushegu Municipality, Ghana	Internal Examiner

**iii. Academic Tutorship**  
**Academic tutorship list**

Name	Programme	Period
AGBOLOSOO, Setor Kelvin	BSC. ENVIRONMENTAL SCIENCE	2023-Date
AGYABENG, Samuel	BSC. ENVIRONMENTAL SCIENCE	2023-Date
AGYEMAN, Felicia Sekyiwaa	BSC. ENVIRONMENTAL SCIENCE	2023-Date
AGYEN, Isaac Frimpong	BSC. ENVIRONMENTAL SCIENCE	2023-Date
ANTWI, Marilyn Agyapomaa	BSC. ENVIRONMENTAL SCIENCE	2023-Date
ARHIN, Dorcas	BSC. ENVIRONMENTAL SCIENCE	2023-Date
ARKOH, Emmanuel	BSC. ENVIRONMENTAL SCIENCE	2023-Date
ASAMOA, Christiana	BSC. ENVIRONMENTAL SCIENCE	2023-Date
BAIDOO, Gideon	BSC. ENVIRONMENTAL SCIENCE	2023-Date
BOAFO, Emmanuel Perez	BSC. ENVIRONMENTAL SCIENCE	2023-Date
BOAMAH, Isaaca Krampah	BSC. ENVIRONMENTAL SCIENCE	2023-Date
KOBI, Grace Abenaa	BSC. ENVIRONMENTAL SCIENCE	2023-Date
NKANSAH, John Sarkodie	BSC. ENVIRONMENTAL SCIENCE	2023-Date
ODURO CLEMENT, Anokye	BSC. ENVIRONMENTAL SCIENCE	2023-Date
OTOO, Oliver	BSC. ENVIRONMENTAL SCIENCE	2023-Date
OWUSU BANAHENE, Florence	BSC. ENVIRONMENTAL SCIENCE	2023-Date
OWUSUWAA, Abigail	BSC. ENVIRONMENTAL SCIENCE	2023-Date
QUAYSON, Richard	BSC. ENVIRONMENTAL SCIENCE	2023-Date
TODEME, Bernice	BSC. ENVIRONMENTAL SCIENCE	2023-Date
AGYEN, Acheampong Louis	BSC. ENVIRONMENTAL SCIENCE	2023-Date

**iv. Committee**

- Member, Committee for the Development of PhD Sustainable Food System programme

**v. Others**

- KNUST Research Fund (KREF) Reviewer (Cycle 8)
- KNUST Research Fund (KREF) Reviewer (Cycle 9)
- GRASAG Research Fund (GReF) Reviewer (2024)

**5. MEMBERSHIP OF PROFESSIONAL ASSOCIATION/BODIES**

- Full Member, Institution of Environmental Science (IES), UK, 2025-Present
- Member, International Solid Waste Association (ISWA), 2024-2025
- Ghana Science Association (GSA), 2024-Present
- International Development Economics Associates |2022-Present|
- Circular Economy Club (CEC) |2023-Present|

## 6. RESEARCH OUTPUT AND CONTRIBUTION TO KNOWLEDGE

### 6(a). List Of Publications

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#### *i. Published articles.*

1. Boateng, N. K., Fei-Baffoe, B., Sackey, L. N., & **Banunle, A.** (2025). Using Bahia and Bermuda Grass to Remediate Municipal Solid Waste Leachate Under Hydroponic Condition. *Environmental Monitoring and Assessment*, 197(7), 1-18. <https://doi.org/10.1007/s10661-025-14218-9>
2. **Banunle, A.**, & Kpenekuu, F. (2025). Socioecological Factors and Practical Challenges to the Adoption of Circular Agriculture and Agroecological Techniques By Climate-Vulnerable Farmers. *Circular Economy and Sustainability*, 1-25. <https://doi.org/10.1007/s43615-025-00630-3>
3. Kpenekuu, F., Antwi-Agyei, P., Nimoh, F., Guodaar, L., **Banunle, A.**, Baffour, F. A., Atta-Aidoo, J. and Agyekum, T.P (2025). A Cost-Benefit Analysis of Climate-Smart Agriculture Interventions in Semi-Arid Ghana. *Regional Sustainability*. 6(1), 10019. <https://doi.org/10.1016/j.regsus.2025.100196>
4. **Banunle, A.**, Agbeshie, A. A., Odumanye, M. Q., Adjei, R., & Bosomtwi, A. (2025). Interactive effect of anthropogenic activities and seasonal changes on the biophysicochemical properties and heavy metal status of tropical surface water resources. *Scientific African*, 27, e02495. <https://doi.org/10.1016/j.sciaf.2024.e02495>
5. Ampong, R. O., Miezah, K., **Banunle, A.**, Amuah, E. E. Y., & Amoah, E. G. (2024). Comparative analysis of the effectiveness and efficiency of formal and informal waste collectors in urban waste management system. *Heliyon*, 10(20). <https://doi.org/10.1016/j.heliyon.2024.e39017>
6. **Banunle, A.** (2024). Determinants of pro-environmental behaviour of urban youth in Ghana. *Environment, Development and Sustainability*, 1-19.
7. Amankwa, J., Damnyag, L., & **Banunle, A.** (2024). Determinants of forest law compliances among inhabitants of local communities surrounding tropical wildlife and forest reserve in Ghana. *Journal of Cleaner Production*, 140964.
8. **Banunle, A.**, Fei-Baffoe, B., Miezah, K., Ewusi-Mensah, N., Jørgensen, U., Aidoo, R., ... & Abaidoo, R. C. (2023). Economic Viability Assessment of Small-Scale Biomass Composting Project Within a Developing Country Context. *Circular Economy and Sustainability*, 1-21.
9. **Banunle, A.**, Fei-Baffoe, B., Miezah, K., Ewusi-Mensah, N., Jørgensen, U., Aidoo, R., ... & Abaidoo, R. C. (2023). Valorisation of Biowaste and Aquatic Invasive Plants Through Compost Production for Agricultural Use. *Waste and Biomass Valorization*, 1-13.
10. **Banunle, A.**, Fei-Baffoe, B., Miezah, K., Ewusi-Mensah, N., Jørgensen, U., Aidoo, R., Amoah, A., Abaidoo, R. C. and Agbeshie, A. A. (2021). Utilisation Potentials of Invasive Plants in the Owabi Dam in the Ashanti Region of Ghana. *BioResources* 16(2), 3075-3095.
11. Agbeshie, A. A., Adjei, R., Anokye, J., & **Banunle, A.** (2020). Municipal Waste Dumpsite: Impact on soil properties and heavy metal concentrations, Sunyani, Ghana. *Scientific African*, e00390.
12. Otchere, K. G., **Banunle, A.**, Yankyera, O. K and Bediako, E (2020). Effect of RTIMP's Commercialisation of Cassava on Household Food Security in the Cape Coast Metropolis in the Central Region of Ghana. *Agricultural And Food Science Journal Of Ghana (AFSJG)*.

13. **Banunle, A.** and Apau, R. (2019). Environmental and Natural Resources Consequences of Arm Conflict and Violent Extremism in Sahelian Countries in Africa. *African Journal for the Prevention and Combating of Terrorism*. Vol 8 (1); 73-92.
14. **Banunle A.**, Fei-Baffoe B, Otchere KG (2018). Determination of the Physico-Chemical Properties and Heavy Metal Status of the Tano River along the Catchment of the Ahafo Mine in the Brong-Ahafo Region of Ghana. *J Environ Anal Toxicol* 8: 574.
15. Osei, C. K., Otchere, K. G., **Banunle, A.**, & Dontwi, I. K. (2017). Trend analysis of Students' Admission, Enrolment and Completion in KNUST Distance Learning Postgraduate Programmes. *Journal of Education and Human Development*, 6(1), 157-164.
16. Osei, C. K., Dontwi, I. K., Otchere, K. G., & **Singye, A. A.** (2015). Curriculum relevance and graduate career: a tracer study of CEMBA, CEMPA and Industrial Mathematics graduates. *Journal of Science and Technology (Ghana)*, 35(2), 89-99.

## ii. Book Chapter

1. Gaspard-Richards, D., **Banunle, A.**, Kuttoh, N., Mndalasini. P., Osuolale, O., Sebape, K., Shah, P., Tomlinson, J., Walker, C. and Wambwa, D. (2021) "*Preparedness and Resilience of Education Systems to Address Multiple Threats: Pandemics, Hurricanes, Drought, Food Insecurity*" in *The Impact of COVID-19 on Education Systems in the Commonwealth*. The Commonwealth Secretariat, London: UK.
2. Agbeshie, A. A., Adjei, I., Adjei, R., Anokye, J., & **Banunle, A.**, Novor, S. and Khalid, **A. A.** (2020). Impact of Untreated Liquid Waste Disposal on Water Quality in a Tropical Region, In *International Research in Environment, Geography and Earth Science, Volume 3*: Print ISBN: 978-93-90206-35-3, eBook ISBN: 978-93-90206-38-4.

## 6(b) Conferences/Seminars And Workshops Attended

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### i. Conference participated in

1. Building Stronger Universities (BSU III) International Conference on Climate Change Resilience, Adaptation and Sustainable Rural Transformation (Kumasi, Ghana), 4th and 5th October, 2022.
2. Building Stronger Universities (BSU III) Conference on Commercialisation of Research Output, KNUST-Kumasi, 2019.

### ii. Papers Delivered at Conferences/Seminars/Workshops

1. **Banunle, A.**, Fei-Baffoe, B. Miezah, K. Ewusi-Mensah, N., Jørgensen, U., Aidoo, R. Amoah, A., Abaidoo, R. C. and Agbeshie, A. A. (2021). *Compositional Analysis and Evaluation of Bioresources Potential of Aquatic Invasive Plants and Biowaste*. Presented at BSU III International Conference on Climate Change Resilience, Adaptation and Sustainable Rural Transformation (Kumasi, Ghana), 4th and 5th October, 2022.
2. **Banunle, A.** (2021). *Harnessing Bioresources For Agricultural Productivity Improvement In Ghana*. Lunch Seminar, Aarhus University, (Foulum campus, Denmark), 26 January, 2023.

## 7. SKILLS

### 7(a). Key Demonstrable Professional Skills

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- Teaching and Research
- Quantitative and Qualitative Data analysis
- Grant proposal writing
- Report Writing
- Preparation of policy brief
- Project & Partnership Management
- Leadership, interpersonal and communication skills

### 7(b). IT Skills And Statistical Analysis Tools

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- Proficiency in MS Office
- R-Studio for descriptive and inferential analysis
- Stata for econometric and time/panel series analysis
- Jamovi and Statgraphics for data analysis
- Minitab for descriptive and inferential analysis
- SPSS for survey data analysis
- AMOS GRAPHICS for structural equation modelling (SEM)
- ArcGIS for mapping

## 8. REFERENCES

### 1. Prof. B. Fei-Baffoe

Relationship: PhD and MSc Supervisor,  
Address: Department of Environmental Science, KNUST Kumasi, Ghana.  
Email: [bfei-baffoe.cos@knust.edu.gh](mailto:bfei-baffoe.cos@knust.edu.gh) / [feibaffoe@yahoo.com](mailto:feibaffoe@yahoo.com)  
Tel: +233248219835

### 2. Dr Kodwo Miezah

Relationship: PhD co-supervisor  
Address: Department of Environmental Science, KNUST Kumasi, Ghana.  
Email: [miezahkodwo@knust.edu.gh](mailto:miezahkodwo@knust.edu.gh) / [komieza@yahoo.com](mailto:komieza@yahoo.com)  
Tel: +233203299419

### 3. Dr Nicholas Spedding

Relationship: MSc Partnership Project Supervisor  
Address: School of Geoscience, University of Aberdeen (UK).  
Email: [n.spedding@abdn.ac.uk](mailto:n.spedding@abdn.ac.uk)  
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