



Curriculum Vitae

Francis Kwaku Nkansah

Department of Environmental Science, Faculty of Science Education, University of
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Born on 23rd March 1988

Ghanaian

<https://orcid.org/0000-0003-1167-8282>

Areas of Expertise or Professional Skills: Environmental Science/ Biology Education: Enviro-Data analysis (Excel, SPSS, Stata, and ArcGIS Applications), Environmental Ecology, Remote Sensing and GIS Applications, Contaminated Soil/Air/Water Remediation, Environmental Quality Monitoring, General Environmental Laboratory Practices, Teaching Pedagogies, etc.

Professional Qualification(s)

<i>Qualification</i>	<i>Awarding Institution</i>	<i>Period</i>
Bachelor of Education in Science	University of Education, Winneba	2008-2012

Professional Responsibilities

<i>Position</i>	<i>Office/Location</i>	<i>Period</i>
Lecturer	Department of Environmental Science, UEW	August 2023 to date
Academic Counsellor	Department of Environmental Science, UEW	2023/2024
Member	Committee for GTEC BSc and MPhil	18/08/2023

	Environmental Science Programme accreditation, UEW	
Member	Committee for GTEC BSc Environmental Health And Sanitation Programme accreditation, UEW	24/08/2023
Member	Committee for the development of MSc. Environmental Safety & Management programme, UEW	2021-2023
Academic Counsellor	Department of Environmental Science, UEW	2022/2023
Assistant Lecturer	Department of Environmental Science, UEW	2021-2023
Member	Committee for review of BSc and MPhil Environmental Science programmes, UEW	2021 to 2022
Form Master	Ghana Education Service	2016 to 2021
Science Tutor	Ghana Education Service	2016 to 2021

Education

<i>Qualification/Certificate obtained</i>	<i>Name of Institution Attended</i>	<i>Date</i>
MSc in Environmental Science	Kwame Nkrumah University of Science and Technology	2013 to 2016
B. Ed. Science	University of Education, Winneba	2008 to 2012

Career History

<i>Position/Title</i>	<i>Name of Institution</i>	<i>Date</i>
Lecturer	University of Education, Winneba	August 2023 to date
Assistant Lecturer	University of Education, Winneba	August 2021 to 2023

Responsibilities:

- Taught Bachelor of Science in Environmental Science courses
- Supervise undergraduate students' project works in Environmental Science
- Supervise undergraduate students' project works in Integrated Science Education
- Provide academic counselling for students
- Invigilate undergraduate students' examinations

Courses taught

ENVS 111: Introduction to Environmental Science

ENVS 123: Environmental Hydrogeology

ENVS 231: Environmental Microbiology
 ENVS 241: Environmental Ecology
 ENVS 360: Biodiversity and Conservation
 ENVS 422: Environmental Entrepreneurship
 EHS 233: Statistic and Biometry
 ENVS 242: Environmental Modelling
 ENVS 353: Environmental Statistics
 ENVS 115: Inorganic Chemistry
 ENVS 113: The Diversity of Living Things
 ENVS 122 Introduction to Geochemistry
 ENVS 363 Environmental Remote Sensing and GIS

<i>Position/Title</i>	<i>Name of Institution</i>	<i>Date</i>
Biology/Chemistry	St. Mary's Boys' SHS	Sept. 2016 to July 2021

/Integrated Science Tutor

Responsibilities:

- Taught Biology/Chemistry/Integrated Science and organized practical lessons for students
- Prepared students for West African Senior School Certificate Examinations
- Prepared lesson notes and teaching notes
- Actively participated in preparing students for School science and maths quiz
- Actively participated in organizing students' clean-up exercises and inspected their sanitary activities

<i>Position/Title</i>	<i>Name of Institution</i>	<i>Date</i>
Intern	Chirano Gold Mines	August 2014 to Sept. 2014

Responsibilities:

- General Environmental Laboratory Practices
- Water sampling
- Sample handling and storage
- Analysis of Physical Parameters (TSS, turbidity, pH, TDS, Conductivity)

- Analysis of Chemical Parameters (COD and total cyanide)

Recent works/Publications

Agbosu, W. K., Adanu, S. K., Boakye, M. K., & **Nkansah, K. F.** (2023). The Study of Flood Effects on The Environment and Livelihoods in Ghana. *African Journal of Applied Research*, 9(2), 52-68.

Ameyaw, Y., **Nkansah, F. K.**, & Owusu, M. A. (2019). Assessing the Effectiveness of Audiovisual, Kinesthetic, and Lecture Instructional Methods in the Teaching and Learning of Ecological Concepts. *International Journal of Science and Research (IJSR)*. 8 (8): 1123 – 1128
https://www.ijsr.net/archive/v8i8/show_abstract.php?id=ART202061

Nkansah, F. K., Agbosu, W. K., Adanu, K., & Boakye, M. K. (2024). Noise level assessment of Mobile Telecommunication Base Stations Proximate to Residential areas in Accra, Ghana. *Sriwijaya Journal of Environment*, 9(1), 18-23. [10.22135/sje.2024.9.1,18-23](https://doi.org/10.22135/sje.2024.9.1,18-23)

Nkansah, F. K., Ampofo, N. A., Safo-Adu, G., & Annan, S. T. (2022). Heavy metal contamination in vegetable parts and soil of cultivated *Capsicum annum* and *Abelmoschus esculentus*. *Poll Res.* 41 (4): 1139-1150.
<http://doi.org/10.53550/PR.2022.v41i04.001>

Nkansah, F. K. & Belford, E. J. D. (2017). Heavy Metals Accumulation by Indigenous Plants Growing in Contaminated Soil in a Gold Mining Area in Ghana. *Journal of Natural Sciences Research*, 7(24), 41-47.

Francis Kwaku Nkansah and Ebenezer J. D. Belford. (2024). Quantifying Roadside Tree Species Composition, Abundance and Diversity in Effutu Municipality, Ghana. **Submitted** to *Folia Oecologica*.

Professional Development:

Training Sessions:

Course Title	Course Instructor	Location	Period
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| ▪ Writing a literature review paper and presenting your data by Prof. Olga-loanna Kalantzi at Kwame Nkrumah University of Science Technology on 16th and 20th March 2023. | | | |
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Seminars and Workshops

- Grant Sourcing. Pecku Conference Room, UEW. 28th February 2023
- Research and Grant Proposal Writing. North Assembly Hall, UEW. 1st February 2022

- A one-day workshop on the Student Internship Programme (SIP) Supervisors Training Workshop for Lecturers Embarking on Internship Supervision. Gloriaka Hotel, Winneba. 17-21st January 2022.
- Early Career Seminar. Joseph Anamuah Mensah Hall, UEW. August 11, 2021
- Developing Academic programmes. Faculty of Science retreat, Elimina. 26th-29th August 2021

Conference(s)

- The Contribution of Radiation Chemistry to Health and Energy. School of Nuclear and Allied Sciences Conference Hall, UG-Legon. 27th October 2023. Participation.
- Agricultural-Environmental nexus: Improving yield and quality of cocoa production in Ghana. Amonoo-Neizer Conference Centre, KNUST. 1st and 2nd February 2023. Participation
- Natural Resources, Extractive Industries, and Environmental Sustainability: Imperative Nexus in the Achievement of Sustainable Development. Zoom Meeting ID: 811 9931 3408 Passcode: 243351. January 12 – 13th, 2022. Participation

Curriculum Development:

<i>Course or instructional material</i>	<i>Period</i>
<ul style="list-style-type: none"> • Part of a team that reviewed BSc. and MPhil Environmental Science programme (Co-developers include Dr Felix Kabutey, Mr Godfred Safo-Adu, and Dr Agbosu K. Worlanyo) 	2021/2022
<ul style="list-style-type: none"> • Part of a team that developed MSc Environmental Safety and Management programme (Co-developers include Dr Felix Kabutey, Mr Godfred Safo-Adu, and Dr Agbosu K. Worlanyo) 	2021/2022
<ul style="list-style-type: none"> • Developed instructional materials in Introduction to Environmental science, Environmental modelling, Hydrogeology, Statistics and biometry; Environmental entrepreneurship, Inorganic Chemistry, Diversity of Living Things, Remote sensing and GIS. 	2021 to date

Student Development:

- Provide advisory services to over 100 students per semester through seminars and spend not less than 45 minutes at any session.
- Supervised and provided guidance in getting customized exercise books and sticks for the association in order to market the department.
- Organize field observations for environmental science students
- Organize departmental orientation and socialization programmes.

Mentorship

<i>Area(s) of Development</i>	<i>Number of Staff Mentored</i>
Using SPSS and Excel for statistical analysis	1

Membership of Professional Association(s):

<i>Name of Association</i>	<i>Position held (if applicable)</i>	<i>Period</i>
▪ Ghana Science Association (UEW Chapter)	Member	2022 to date
▪ University Teachers Association of Ghana	Member	2021 to date

Institutional Service

<i>Name of Committee(s) and/or Board(s)</i>	<i>Position or role</i>	<i>Period</i>
▪ University of Education, Winneba	Academic counsellor	2023/2024
▪ University of Education, Winneba	Academic counsellor	2022/2023
▪ University of Education, Winneba	Internal Examiner (Codel)	2023 to date
▪ University of Education, Winneba	Codel Monitor	2023 to date
▪ University of Education, Winneba	Student intern supervisor	2022 to date
▪ University of Education, Winneba	Long essay supervisor	2022 to date
▪ University of Education, Winneba	Examination invigilator	2021 to date

Community Service

<i>Name of Institution/Organisation</i>	<i>Position(s) held (if applicable)</i>	<i>Period</i>
▪ Science Focus (Impact of radiation on human health), UEW	Speaker	15/02/24
▪ Science Focus	Speaker	22/02/24

(Degrading Ecosystems), UEW

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| ▪ Agricultural, Health and Environmental Science Students' Association (UEW) | Patron | 2023/2024 |
| ▪ Agricultural, Health and Environmental Science Students' Association (UEW) | Patron | 2022/2023 |
| ▪ The Department of Agricultural, Health and Environmental Science Education Green Ghana Initiative support | Member | 2022/2023 |
| ▪ Part of a team that reviewed the BSc. and MPhil Environmental Science programme | Member | 2021/2022 |
| ▪ Part of a team that developed the MSc Environmental Safety and Management programme | Member | 2021/2022 |

Referees

1. Prof. Benjamin Ghansah
Head, Department of Environmental Science
Faculty of Science Education
University of Education, Winneba
Winneba, Ghana
Mobile: +233244239515
Email: bghansah@uew.edu.gh
2. Prof. Ebenezer J. D. Belford
Faculty of Biosciences
Department of Theoretical and Applied Biology, KNUST
Mobile: +233264623525
Email: ejdbelford@yahoo.co.uk
3. Dr. Charles Kwesi Koomson
Head, Department of Integrated Science Education
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