

Prof. Victus Bobonkey Samlafo, Dip. Ed, BSc, MSc, PhD

(Associate Professor)

Date of Birth: 22nd November, 1965

Marital Status: Married

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Languages Spoken and/or Written: Ewe and English

1*. Personal Profile: (Biography)-A summary of experiences and expertise:

Victus Bobonkey Samlafo joined the University of Education, Winneba in 2004 with a Master's degree in Analytical Chemistry as a Lecturer in the then Science Education Department. After two-year probation, Victus was confirmed as a Lecturer in the Science Education Department in 2006. Within a period of five years after probation, Victus had both a PhD in Nuclear and Radiochemistry and was also promoted to the rank of Senior Lecturer. He was later promoted to the rank of Associate Professor in 2018. He taught at both undergraduate and postgraduate levels. Victus supervised several PhD, MPhil and MEd theses and reviewed several theses both internally and externally. He is an External Examiner for the University of Ghana, Legon, Ghana, and University of Cape Coast, Cape Coast, Ghana. Currently, Victus is a reviewer for twelve (12) international journals. He had 22 papers in both international and local peer-reviewed journals and contributed to seven books and study materials. He presented papers at several international conferences. His areas of expertise include Analytical Chemistry, Environmental Chemistry, and Radioanalytical Chemistry. Victus is currently working on heavy metal levels in wetland areas of Ghana and methanol levels in locally produced alcoholic beverages.

2. Education (beginning with newest to oldest):

<i>Start and End Dates</i>	<i>Name of Institution Attended</i>	<i>Qualification/Certificate</i>
2007- 2011	<ul style="list-style-type: none"> University of Ghana, Legon (UG), Ghana 	PhD. (Nuclear and Radiochemistry)
1999-2002	<ul style="list-style-type: none"> Kwame Nkrumah University of Science & Technology (KNUST), Kumasi, Ghana. 	MSc (Analytical Chemistry).
1991-1996	<ul style="list-style-type: none"> University of Cape Coast (UCC), Cape Coast, Ghana. 	BSc. (Chemistry) and Diploma in Education.

3. Career History (beginning with newest to oldest):

<i>Start and End Dates</i>	<i>Name of Institution</i>	<i>Position/Title</i>
4 th Nov. to date	Faculty of Science Education, UEW	Dean, Faculty of Science Education
2022-2023	University of Education, Winneba	Vice Dean, Faculty of Science Education
2021-2022	University of Education, Winneba	Associate Professor/ Head of

		Chemistry Education
<p>Responsibilities</p> <ul style="list-style-type: none"> • Promote research, organise teaching programmes, maintain acceptable standards of teaching, and ensure that facilities are available for teaching and research in the department. • Departmental Administration, make recommendations for the appointment and promotion of staff and ensure maintenance of discipline. • Work in consultation with the Dean of Faculty. 		
2018- 2021	University of Education, Winneba	Associate Professor/ Vice Dean, Faculty of Science Education
<p>Responsibilities:</p> <ul style="list-style-type: none"> • Administrative work- Vice Dean. • Act as Dean in the absence of the Dean (FSE). • Monitor the implementation of the Faculty strategic plan. • Responsible for early and timely Departmental and Faculty interactions of new applicants for appointment. • Handle all Accreditation issues within the Faculty. • Developing course manual for the courses either taught or being taught at the Department. • Research. • Perform any other duty assigned to me by the Dean • Supervision of Graduate students in the Department • Faculty Seminar presentation • Internal examination of Graduate theses • External examination of theses from other Universities 		

<ul style="list-style-type: none"> • Review articles for Peer-Reviewed Journal • Supervision of undergraduate project works • Teaching Graduate students • Taking students to field trips/excursions • Counselling of students on academic and social issues • Community services 		
2011-2018	University of Education, UEW	Senior Lecturer
<p><i>Responsibilities:</i></p> <ul style="list-style-type: none"> • Developing course manual for the courses either taught or being taught at the Department • Research • Organising Departmental examinations as Examination officer • Drawing Departmental Teaching timetable • Supervision of Graduate students in the Department • Faculty Seminar presentation • Internal examination of Graduate theses • External examination of theses from other Universities • Review articles for Peer-Reviewed Journal • Supervision of undergraduate project works • Teaching Graduate students • Taking students to field trips/excursions • Counselling of students on academic and social issues • Community services 		
2004-2010	University of Education, UEW	Lecturer
<p><i>Responsibilities:</i></p> <ul style="list-style-type: none"> • Developing course manual for the courses either taught or being taught at the Department • Supervision of undergraduate project works • Taking students to field trips/excursions 		

<ul style="list-style-type: none"> • Research • Counselling of students on academic and social issues • Community services 		
2002-2004	St. Paul's Senior High School, Denu	Chemistry Teacher
<i>Responsibilities:</i> <ul style="list-style-type: none"> • Teaching Chemistry Classes allocated to me in the Science Department • Advising students on academic issues as Form Master • Member of the Extra-classes Committee 		
1999-2001	Kwame Nkrumah University of Science and Technology, Kumasi	Demonstrator
<i>Responsibilities:</i> <ul style="list-style-type: none"> • Run laboratory practicals for undergraduate students, mark laboratory exercises, and grade students 		
1997-1999	Sogakofe Senior High School, Sogakofe	Physics Teacher
<i>Responsibilities:</i> <ul style="list-style-type: none"> • Teaching Physics Classes allocated to me in the Science Department • Advising students on academic issues as Form Master 		
1996-1996	OLA Senior High School, HO (Service Personnel)	Chemistry Teacher
<i>Responsibilities</i> <ul style="list-style-type: none"> • Teaching Chemistry Courses allocated to me as National Service Personnel 		
1994-1994	Adisadel College, Cape Coast (Teaching Practice),	Chemistry Teacher
<i>Responsibilities:</i>		

i. Teaching Chemistry classes allocated to me (Teaching practice)

4. Professional Development

a. Training Sessions

<i>Start and End Dates</i>	<i>Course Title</i>	<i>Location</i>
15 th Feb, 2022	Proposal Writing Best Practices: From planning to submission	Webinar: Meeting ID: 849 0375 6428 Passcode: 576131
1 st Feb. 2022	Grant proposal writing workshop	UEW, Winneba
26-28 August, 2021	Faculty of Science Education Retreat	Elmina Beach Resort
5 th Feb, 2020	Workshop on test-item writing,	UEW, Winneba
11 Oct. 2019	Orientation for Deans, Directors, Deputy Registrars, and Heads of department	Mana Heights Hotel, Mankessim
22 nd -25 th Jan, 2019	Training workshop on ERIS software,	UEW, Winneba
18 th June 2018	A workshop on the use of ICT and multimedia tools for effective teaching and learning,	UEW, Winneba

26 th -27 th Oct., 2017	Orientation for Deans, Directors, and Heads of departments	Manna Heights Hotel Mankessim
18 th -19 th Jan, 2016	Training workshop for UEW lecturers.	UEW, Winneba
23 rd -26 th NOV, 2015	9 th Annual Workshop and conference of the West African Research and Innovation Management (WARIMA)	University of Ghana, Accra
June, 2014	Workshop on courseware development writing.	UEW, Winneba
2014	Ghana Science Association, 14 th Biennial Workshop.	University of Cape Coast, Cape Coast
June, 2014	Workshop on improving grant assessing and management.	UEW, Winneba
Sept. 2014	Workshop on the use of multimedia tools for lecture delivery.	UEW, Winneba
2013	Ghana chemical society conference, facilitator (chairman for the second session).	KNUST, Kumasi
May, 13	Workshop on online courseware development and structural equation modeling.	UEW, Winneba
2012	Participated in an online courseware development programme using MOODLE Learning Management System.	Winneba
Sept, 2007	Biennial Conference (25 th) of Ghana Science Association.	Akim Tafo
June, 2007	Workshop on Portfolio and Course Manual Development.	Amsterdam, Netherlands
15 th -21 st Jan, 2007	workshop for science writers (to write course book for MSc distance education students.	Kumasi

Oct, 2007	Workshop on the use of Coach.	UEW, Winneba
13 th Dec., 2007	Course Manual Development workshop for content lecturers.	University of Cape Coast
12 th Jan, 2006	Workshop on Action Research organized by Institute for Educational Development and Extension.	UEW, Winneba
March, 2006	A ONE-week National Moderation Conference meeting organized by the West African Examinations Council (WAEC) for member countries.	Accra
Feb, 2005	Workshop for subject mentors training, Tamale -Facilitator, (Feb. 2005).	Tamale
Jan, 2005	Workshop for subject-mentors training-Facilitator (Jan. 2005).	Sunyani
Nov., 2004	Workshop for subject mentors training,-Facilitator,	Takoradi
Jan, 2005	Workshop for subject-mentors training-Facilitator.	Sunyani
Dec, 2004	Workshop for subject mentors training – Facilitator.	HO

b. Seminars and Workshops

<i>Start and End Dates</i>	<i>Course Title</i>	<i>Location</i>
21 st June, 2018	Strategic planning sensitisation for Deans and Heads of Department.	UEW, Winneba

7 th Feb, 2018	Workshop on Internationalization at UEW, Winneba,	UEW, Winneba
18 th Sept. 2016	Workshop on Standards for the Book Industry,	Accra
1 st July, 2016	Educational seminar on open, distance, and e-learning in tertiary institutions: challenges and benefits.	UEW, Winneba
23 rd April, 2016	Workshop on copyright and the author, organized by Ghana Writers Association in collaboration with Copyright Ghana,	PAWA House, Accra
14 th July, 2016	Educational seminar on current trends in teacher education in Ghana	UEW, Winneba
11 th March, 2016	International Women's Day seminar.	UEW, Winneba
August, 2014	Faculty of Science Education retreat, organized by the Faculty of Science Education	Smayak Hotel, Apam
June, 2013	Workshop on Research Professional Africa Platform,	UEW, Winneba
June, 2011	Research policy dissemination workshop.	UEW, Winneba
July, 2011	Annual General meeting (53 rd) of Ghana Association of Science Teachers.	Bolgatanga
Nov. 2010	Advocacy Workshop organized by Partnership for Higher Education in Africa (PHEA).	UEW, Winneba
July, 2007	UEW OSIS workshop for teaching staff.	UEW, Winneba

Dec., 2007	Practical Project Stakeholders' workshop.	Elmina Beach Resort, Elmina-
12 th Oct, 2006	Seminar on Open Source in Education.	UEW, Winneba
19 th Dec, 2006	Stakeholders Conference on improving science and mathematics education in Ghana.	Elmina
June, 2005	Seminar on education for sustainable development.	UEW, Winneba

c. Conferences:

<i>Start and End Date(s)</i>	<i>Name of Conference</i>	<i>Location</i>	<i>Presentations (if any)</i>
Feb, 2020	<i>21st National Conference of Ghana Students' Chemical Society</i>	University of Cape Coast, Cape coast	Chemist as an Entrepreneur
26-27 April, 2019	<i>22nd International Conference on Past and Present Research Systems on Green Chemistry & 18th International Conference on Industrial Chemistry and Water Treatment</i>	Vancouver, British Columbia, Canada	Assessment of domestic water quality supplied to households in the Effutu Municipality, Ghana.
10-11 June, 2018	<i>VIIIth International Conference on Researches in Science & Technology</i>	Rome, Italy	Selenium-mercury antagonism in Human blood samples from residents of Wassa

			West District, a mining area in Ghana
21-22 May, 2018	<i>17th World Conference on Industrial Chemistry & Water Treatment.</i>	New York, USA	Speciation of Se (IV) and Se (VI) in human blood samples from residents of Wasswa West District, a mining-impacted area of Ghana.
22-23 June, 2017	<i>2nd World Conference on Industrial Chemistry & Water Treatment</i>	Las Vegas, USA	Quality assessment of groundwater from Avenorfeme: Akatsi District, Ghana
Feb, 2017	<i>18th Annual Conference of Ghana Student Chemical Society</i>	University of Education, Winneba	Addressing the unemployment challenges in Ghana- the role of the Chemist

5. Publications:

a. Article(s)

<i>Author(s)</i>	<i>Year of publication</i>	<i>Title of article</i>	<i>Journal</i>
Bright Ankudze & Samlafo B.V	2022	Repeated use of <i>Cyperus esculentus</i> tubers, towards sustainable Green synthesis of silver Nanoparticles	BioNanoScience, 2022, 12, 1150-1157. https://doi.org/10.1007/s12668-022-01032
Samlafo, B.V, Tordzro, K. G, Ankudze, B & Mahama, A	2022	Assessment Seasonal Variations in water quality of River Tordzie, Ghana	Resources and Environment 2022, 12(2): 59-65 DOI: 10.5923/j.re.20221202.03

Samlafo, B.V, Kofi Essel & Bright Ankudze	2022	Health Risk Assessment of Heavy Metals Via Consumption of Cassava, Cultivated on Reclaimed Mining Land Sites in Prestea-Huni Valley District, Ghana	Food and Public Health 2022, 12(1): 7-13 DOI: 10.5923/j.fph.20221201.02
Samlafo, B.V & Adakwah, D	2021	Evaluative study of River Birim in Denkyembuor, Ghana, Using Water Quality indices	Chemical Science International Journal, 30(9), 39-51 DOI: 109734/CSJI/2021/v30i9330253
Osei, J.K, Samlafo, B.V, Appiah- Twumasi, E & Acheampong, M.K	2020	Effect of Computer-assisted instruction on Pre-service teachers' conceptual change of chemistry concepts at St. Ambrose College of Education in Bono Region, Ghana	East African Journal of Education and Social sciences, 1(2), 179-192 DOI: org/10.46606/eajess2020v01i02.0033
Samlafo, B. V. & Ofoe, E.O	2018	Water quality analysis of Bobobo stream, in Tarkwa, Ghana.	World Environment, 8(1), 15-19, doi:10.5923/j.env.20180801.02
Samlafo, B. V	2018	Assessment of lead, arsenic, cadmium, and mercury levels in earthenware clay deposits at Mankessim, in Mfantseman District, Ghana.	Chemical Science Transactions, 7(1), 130-136 doi:10.7598/cst2018.1440
Gyasi, H, Ofoe, E.O & Samlafo, B.V	2018	The effect of molecular model sets on students' academic performance in naming organic compounds.	Education, 8(3) :37-41, DOI: 10.5923/j.edu.20180803.01
Samlafo, B. V.	2017	Comparative analysis of leachable heavy metals in earthenware clay deposits in the Central and Volta regions of Ghana.	American Journal of Chemistry, 145-151, doi:10.5923/j.chemistry.20170704.03

Samlafo, B. V. & Ofoe, E.O	2017	Water quality assessment of River Bonsa inTarkwa, a Mining-impacted area of Ghana.	Chemical Science International Journal,20(4),1-8, doi:10.9734/CSIJ/2017/37251
Samlafo, B. V.	2017	Cadmium, lead, arsenic, and mercury levels in earthenware clay deposits at Vume, in the South Tongu district of Ghana, using Atomic Absorption Spectrophotometric technique.	International Journal of Current Research, 8(11), 42230-422233.
Doamekpor, L. K. Darko, R, Klake, R.K, Samlafo, B.V , Bobobee, L.H, Akpabli, C.K &Nartey, V.K(2016).	2016	Assessment of the contribution of road runoffs to surface water pollution in the New Juaben Municipality, Ghana.	Journal of Geoscience and Environment Protection, 4, 173-190, doi:10.4236/gep.201641018
Samlafo, B.V	2016	Awareness levels of possible health hazards associated with the wearing of lipsticks among female students at University of Education, Winneba, Ghana.	International Journal Advances in social science and Humanities,04(04), 54-60
Samlafo, B. V. Doamekpor, L. K & Bobobee, L. H	2015	Limonoid constituents in the stem bark of <i>Guarea Cedrata</i> .	Knowledge of research, A2, 4-9. doi:10.7598/kor2015.125
Samlafo, B.V	2015	Effects of dietary selenium on mercury toxicity, using human hair and nail samples as bioindicators: A case study among residents of Wassa West district of Ghana.	Knowledge of research, 2(4), 146-153. doi:10.7598/kor2015.160
Samlafo, B. V.	2015	Iodine, copper, and zinc levels as indices of nutritional status among residents of Wassa West	International Journal of Innovative Research & Development, 4(3), 274-279.

		district, a mining-impacted region of Ghana, using instrumental neutron activation analysis.	
Samlafo, B. V. Adua Aidoo, J.B.K, Sarsah, L.A, Quarshie, E, & Serfor-Armah	2011	Arsenic and mercury levels in earthenware clays in Otsew in Gomoa West district of Central region of Ghana using instrumental neutron activation analysis.	Research Journal of Environmental and Earth Sciences, 3(5), 541-545.
Samlafo, B. V. Yeboah, P.O & Serfor-Armah, Y	2011	Atomic absorption spectrophotometric determination of selenium concentrations in hair and nails of residents in Wassa West district of Ghana	Journal of Applied Science and Technology, 16(1&2), 98-103.
Samlafo, B. V	2010	Levels of arsenic and mercury in human blood from Tarkwa and its environs, a mining area in Wassa West district of Ghana.	Journal of Educational Studies in Mathematics and Science, 8, 35-46.
Serfor-Armah, Y. Samlafo,B.V & Yeboah, P.O	2009	Arsenic and mercury levels in human hair and nails from gold mining areas in Wassa West district of Ghana.	Journal of Applied Science and Technology, 14(1&2), 117-122.
Samlafo, B. V.	2008	Mercury in soil and sediment samples from Tarkwa and its environs	Journal of Ghana Science Association, 10(1), 69-73.
Samlafo, B. V.	2006	Levels of cadmium in soil, sediment and water samples from Tarkwa and its environs.	Journal of Educational Studies in Mathematics and Sciences, 4, 53-57.

b. Book(s)

<i>Author(s)</i>	<i>Year of publication</i>	<i>Title of book</i>
Samlafo, B.V	2011	Studies of mercury, arsenic, and selenium levels in human hair, nail, and blood samples from the Wassa West District of Ghana, using neutron activation analysis and atomic absorption spectrophotometric technique, IAEA publications Vienna, Austria, RN: 43117918.

c. Chapter(s) in Book(s)

<i>Author(s)</i>	<i>Year of publication</i>	<i>Title of book</i>	<i>Title of Chapter</i>
Taale, K.D, Ngman-Wara, E.I, Mensah, S.A.N, Samlafo, B.V & Oddoye, E.O.K	2016	Integrated Science for Senior High Schools, Student's Book 1. Sam-Woode Ltd. Accra, Ghana.	Units: 2,4, and 6
Taale, K.D, Ngman-Wara, E.I, Mensah, S.A.N, Samlafo, B.V & Oddoye, E.O.K	2016	Integrated Science for Senior High Schools, Student's Book 2. Sam-Woode Ltd. Accra, Ghana.	Units: 1,3 and 4
Taale, K.D, Ngman-Wara, E.I, Mensah, S.A.N, Samlafo, B.V & Oddoye, E.O.K	2016	Integrated Science for Senior High Schools, Students' Book 3. Sam-Woode Ltd. Accra, Ghana.	Units: 2 and 3
Taale, K.D, Ngman-Wara, E.I, Mensah, S.A.N, Samlafo, B.V & Oddoye, E.O.K	2016	Integrated Science for Senior High Schools, Teacher's Guide. Sam-Woode Ltd. Accra, Ghana.	Units: 2, 4, and 6

Oddoye, E.O.K, Taale D.K, Ngman-Wara,E.I, Samlafo B.V & Obeng Ofori (2011)	2011	Integrated Science for Senior High Schools, Sam-Woode Ltd. Accra, Ghana	Units: 1, 2, and 3
Bobobee LH, Hanson,R & Samlafo, B.V	2011	(MEd by Distance) Chemistry 1 (Physical and Inorganic Chemistry) IEDE, Winneba, ISBN 9988-620-87-X,	Unit: 4

d. Unpublished works

<i>Author(s)</i>	<i>Year of composition</i>	<i>Title</i>
Samlafo B.V & Awakata J	Ongoing,2020 MPhil.	Analysis of heavy metals in surface water samples: A case study at Yusi dam, Navrongo, Ghana
Samlafo, B. V & Amankwaah, D	Ongoing, 2019 PhD	An evaluation of the four-year chemistry curriculum in Ghana: What policymakers need to know.

6. Professional Qualification(s):

<i>Start and End Dates</i>	<i>Awarding Institution</i>	<i>Qualification/Rank</i>
2007-2011	University of Ghana, Legon	PhD (Nuclear and Radiochemistry)

1999-2002	Kwame Nkrumah University of Science & Technology	MSc (Analytical Chemistry)
1991-1996	University of Cape Coast, Cape Coast	BSc. (Chemistry) and Diploma in Education

7. Professional Responsibilities:

<i>Start and End Dates</i>	<i>Name of Office</i>	<i>Responsibilities</i>
4 th Nov. 2022 to date	Dean, Faculty of Science Education, UEW	Administrative Head of the Faculty
2022-2023	Vice Dean, Faculty of Science Education	Acting as Dean in the absence of the Dean
2021-2022	Head, Chemistry Education Department	Academic leader in the Department, who runs the daily administrative work
2018-2021	Vice Dean, Faculty of Science Education	Acting as Dean in the absence of the Dean
2017-2018	Ag. Head, Integrated Science Education Department	Academic leader in the Department, who runs the daily administrative work.
2017-2020	Graduate School, University of Cape Coast	External Assessor

2017-to date	Graduate School, University of Ghana, Legon	External Assessor
2014-to date	Science Education MPhil and MEd theses, UEW	Internal Assessor
2014-to date	Supervisor and co- supervisor for Mphil and MEd students, UEW	Lecturing and Supervisor of Graduate students
2013-2015	Ag. Head, Chemistry Education Department, UEW	Academic leader in the Department, who runs the daily administrative work.
2015-2017	Examination officer for Chemistry and Physics Education Departments	Organised Departmental examinations, draw Departmental Timetables, and published results.
2011-2018	Senior lecturer, Department Chemistry Education, UEW	Lecturing and supervision of Graduate students.
2004-2011	Lecturer, Department of Science Education, UEW	Lecturing undergraduate students.
2006-2007	Examinations officer for Science Education Department, UEW	Organised Departmental examinations, Timetables, and published results.
2004-to date	Lecturer, Department of Science Education, UEW	Supervision of undergraduate project works.

2002-2004	Chemistry Teacher, St. Paul's Senior High School, Denu	Chemistry Teacher, Form Master, and member of the extra-classes committee.
1999-2001	Demonstrator, Chemistry Department, Kwame Nkrumah University of Science and Technology (KNUST)-Kumasi	Run laboratory for undergraduate students.
1997-1999	Sogakofe Senior High School, Sogakofe	Physics Teacher
1996	OLA Senior High School (National Service), Ho	Chemistry Teacher
1994	Adisadel College, Cape Coast	Chemistry Teacher (Teaching Practice)

8*.Membership of Professional Association:

<i>Date</i>	<i>Name of Association</i>	<i>Position held (if applicable)</i>
2018-to date	World Association for Scientific Research and Technical Innovation (WASRTI)	Member
1997	Ghana Chemical Society	Member
2016-to date	Ghana Association of Writers (GAW).	Member
2010	Ghana Nuclear Society	Member

1997	Ghana Association of Science Teachers.	Member
1997	Ghana Science Association.	Member
2004 -to date	University Teachers Association of Ghana (UTAG).	Member

9*.Student and/or Faculty Development:

Number of Students Developed (Thesis, long essays, project work) and/or Faculty one has supervised or mentored as well as the areas of development

<i>Position</i>	<i>Student's Association</i>	<i>Period</i>
Patron	Ghana students' Chemical Society	2014- 2020
<i>Responsibilities:</i>		
<ul style="list-style-type: none"> • Supported the formation of the Association during my tenure of office as Head of the Chemistry Department. • Supervise students' elections at the end of each academic year. • Advice students' leadership on good governance while in office. • Presides over the general meetings of the Association. • Supervise students' Association finances 		
Counselling Services	M.Phil. Parts I and II students Level 200 Chemistry students Level 300 Chemistry students Level 100 Science students	2020-2021 2018 -2019 2015-2017 2005-2006
<i>Responsibilities:</i>		
<ul style="list-style-type: none"> • Providing both individual and group counselling on academic issues of students in the Chemistry Department. 		

- Meet all my counselees' twice a semester
- Spend 6.0 hours per week counselling 20 students
- Helping weak students to form a study group with brilliant students
- Also providing individual counselling on social issues, especially for students with problems of single parenting, broken home, etc

PHD STUDENTS UNDER MY SUPERVISION

- Amankwaah Daniel – An evaluation of the four-year chemistry curriculum in Ghana: What policymakers need to know (**Ongoing**)

MPHIL STUDENTS UNDER SUPERVISION

- Jerom Awakabta (2019). Analysis of heavy metals and organic pollutants in surface water samples. A case study at Yusi dam and surrounding wells at Navrongo.

PHD THESES CO-SUPERVISED AND COMPLETED

- Azuuga Emmanuel (2021) Enhancing pre-service teachers' academic performance in Chemical formulae and nomenclature using software conceptual models integration (**co-supervisor**)
- Ofoe Ofose Emmanuel(2022). Evaluative study of institutions offering science remedial programmes in Awutu-Senya East district and Ga South Municipalities (**co-supervisor**)
- Ayikue Ambruse (2022). - Effect of using smartphone hot potatoes software on students' performance in teaching acids and bases. A case study at St. Francis college (**co-supervisor**)
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MPHIL THESE SOLE AND CO-SUPERVISED AND COMPLETED

- Tordzro Gameli Kwasi (2022). Assessment of seasonal variations in water quality of River Tordzie (**sole supervisor**)
- Desmond Adarkwa (2021). Water quality assessment of Birim river in Denkyembuor District, Ghana (**sole supervisor**)

- Samuel Arthur Ayoberd (2018). *Perceptions of Pre-service Science Teacher Trainees towards the elective Chemistry curriculum of the colleges of Education, the case of Tamale College of Education* (**sole supervisor**)
- James Osei (2018). *Effects of computer assisted instruction on pre-service teacher's performance in reaction rates. A case study* (**sole supervisor**)
- Ruth Ampadu –Daaduam (2017). *Using activity method to improve basic school pupil's performance in integrated science* (**sole supervisor**).
- Samuel Noah Ameko (2015). *Guiding pre-service teachers to identify and name aliphatic organic compounds using molecular model kits: A case study* (**co-supervisor**).
- Ras Kumabia (2014). *Evaluation of classroom implementation of elective chemistry programme in selected science and mathematics colleges of education in Volta region, Ghana* (**co-supervisor**).

MEd THESES SOLE SUPERVISED AND COMPLETED

- Kpogo Noble (2018). *Integrating animations and models approach to improve pupils' Performance in the concept of digestion: A case study.*
- Huaru Alhassan Marifa (2017). *Using co-operative learning to improve the performance of students in qualitative analysis in Tumu Senior High School.*
- Glah Dela Reuben (2016). *Effect of computer assisted instruction on the performance of students in nuclear chemistry: A case study at Nkrankwata Senior High Technical School in the Dormaa West District in the Brong-Ahafo Region of Ghana.*
- Doe Kplorla Felix (2016). *Improving basic pupils' performance in digestion using concept mapping as an instructional tool. A case study.*
- Ruth Asantewaa Okrah (2016). *Improving the performance of students in volumetric analysis through concept mapping in Wenchi Senior High School.*
- Narh Bedai Seth (2015). *A misconception held by the first-year General Science students about the concept solutions: A case study of students at Keta Senior High Technical School, Volta region of Ghana.*
- Gyasi Harriet (2015). *Using molecular model set to improve academic performance in naming organic compounds at Effiduase Senior High School, Sekyere East District, Ashanti Region.*

MPHIL. THESES EXAMINED EXTERNALLY

- Seth Donkor (2020). *Photoconversion of Endocrine Disruptors (Parabens) using zinc Oxide Photocatalyst* . (Mphil thesis examined for School of Graduate Studies, University of Cape Coast)
- Mercy Agypong (2019). *Determination of the contents of three major cannabinoids in cannabis samples found in Ghana*. (Mphil thesis examined for School of Graduate Studies, University of Ghana, Legon).
- Aba Akebi Atta-Eyison (2018). *Photocatalytic degradation of Azo Reactive dyes with zinc oxide under UV-visible and sunlight irradiation*. (Mphil thesis examined for School of Graduate Studies, University of Cape Coast)
- Yakubu Fusheini (2018). *Investigating the levels of pesticide residues in soil and water samples from Waanpu dam in the Bimbilla district of Ghana*. (Mphil thesis examined for School of Graduate Studies, University of Ghana, Legon).
- Salomey Maku Treku (2017). *The contribution of heavy metal pollution to the destruction of coconut palms in Ekumfi-Ekotsi and Apam* (Mphil thesis examined for School of Graduate Studies, University of Cape Coast).
- Bright Nsolebna Jaato (2017). *Isolation and characterization of natural dyes for application in Dye-Sensitized Solar Cells (DSSCs)*, (Mphil thesis examined for School of Graduate Studies, University of Ghana, Legon).

THESES EXAMINED INTERNALLY

- Dogbey Robert (2021). Using concept mapping to improve the teaching of Mole concept in Keta Business college
- Simon Adu-Fosu (2021). Determination of heavy metal concentration in cabbage (*Brassica oleracea*) cultivated in Obuasi, Ghana (Mphil thesis)
- Clement Kwasi Mensah (2021). Improving students' performance in the concept of hybridization and molecular geometry using locally improvised materials (MEd. Thesis)
- Victor Oblo (2020). *Using cooperative learning approaches to enhance students' understanding of redox reaction* (MEd. Thesis)

- Winfred Agadzi (2020). *Using student team achievement division to improve the performance of students on titrimetric analysis in Breman Asikuma Senior High School (Mphil thesis).*
- Daniel Kwaku Attah (2020). *Using molecular model set to improve the teaching and learning of nomenclature in alkanes and alkenes. A case study at Yeboah Asuamah Senior High School, Techiman, Ghana (MEd. Thesis)*
- Beyuoh Vitus Libiedong (2020). *Using cooperative teaching and learning methods to enhance students' understanding of writing and balancing of chemical equations in Bole Senior High School, Savana region (MEd. Thesis)*
- Bismark Odei – Sei (2019). *Causes of the poor performance among senior high Chemistry students. A case study at Senya Senior high School (MEd. Thesis)*
- Joseph Oppong Akwaboah (2019). *The effect of multimedia on Senior High School students' ability to draw and name selected saturated hydrocarbons (MEd Thesis)*
- Nantakyi Bosompem Clement (2019). *Using cooperative approaches to enhance students' academic achievement in solubility (MEd Thesis)*
- Taarique-Ahmad Yahaya (2019). *Using cooperative instructional approaches to enhance the performance of students in qualitative analysis in Wa Senior High Technical School((MEd Thesis)*
- Tettey-Wayo J.K (2018). *Impact of instructional materials in the teaching and learning of Chemistry in Senior High Schools in the Yilo Krobo and Lower Manya Krobo Municipality (MEd Thesis)*
- Raphael Foster Ayithey (2017). *Factors influencing performance in chemistry practical work: A case study in selected schools in Greater Accra, Central, Eastern and Volta regions (Med Thesis).*
- Fred Elikem Ocloo (2017). *Using computer simulation to improve students' performance in chemical bonding- A case study of form two students of Ahmadiyya senior high school, Postin (Med Thesis).*
- Desmond Adarkwah (2017). *Developing a chemistry practical teaching model for double indicator titration based on the constructivist approach (MEd Thesis).*
- Mensah (2017). *Students' mental models of chemical reactions and balancing of chemical equations: A case study of Ghanaian senior high school (Mphil thesis).*
- Comfort Ofori-Appiah (2015). *Senior High School Biology Teachers' Attitude, competence levels, and practices in practical work (Mphil thesis).*

10. Institutional and Community Service , Committee(s) and/or Boards Served:

<i>Start and End dates</i>	<i>Name of Committee(s) and/or Board(s)</i>
3 rd March, 2023	Reviewer, Asian Journal of Agricultural and Horticultural Research Paper revised Evaluation of some Okra and Molokhia Landraces under Irrigation Water Salinity Stress
28 th Feb-1 st March, 2023	Chairman, International conference organised by Department of health, Physical Education, Recreation and sport in collaboration with Grambling state University, USA
4 th Nov. 2022 to date	Chairman, Faculty of Science Education Board, UEW
4 th Nov. 2022 to date	Member, Joint Admission Board, UEW
4 th Nov. 2022 to date	Member, Student-staff Consultative Board, UEW
4 th Nov. 2022 to date	Member, UEW Quality Assurance Board, UEW
4 th Nov. 2022 to date	Member, ICT Board, UEW
4 th Nov. 2022 to date	Member, Finance and Development Planning committee , UEW
4 th Nov. 2022 to date	Member, UEW Research, conferences and scholarships committee, UEW
4 th Nov. 2022 to date	Member, UEW Graduate Board
4 th Nov. 2022 to date	Member, UEW Academic Planning
4 th Nov. to date	Member, Executive committee of UEW
27 th October, 2022	Reviewer, Asian Journal of Biochemistry, Genetics and Molecular Biology Paper revised

	<ul style="list-style-type: none"> • Trace Elements of Drinking Water and Longevity Phenomenon
28 th August, 2022	Chief Examiner for Chemistry, National Teaching Counsel,
27 th August, 2022	<p>Reviewer, Microbiology Research Journal International</p> <p>Paper revised</p> <ul style="list-style-type: none"> • Molecular characterization and antibiogram of selected pathogens isolated from streams and wells water sources in three local government areas of Rivers State, Nigeria
8 th August, 2022	<p>Reviewer, International Research Journal of Pure and Applied Chemistry.</p> <p>Paper revised</p> <ul style="list-style-type: none"> • Assessment of physicochemical characteristics of waters in Santa Barbara River, Bayelsa State, Nigeria
2 nd July, 2022	<p>Reviewer, International Journal of Environment and Climate Change.</p> <p>Paper revised</p> <ul style="list-style-type: none"> • Phytoaccumulation of Nitrate Loads from Drinking Water by Using Different Aromatic Grasses: Green Technology
28 th April, 2022	Editorial Board member, World Environment
26 th April, 2022	<p>Reviewer, Uttar Pradesh Journal of Zoology, (<i>Find attached certificate of review</i>)</p> <p>Papers revised</p> <ul style="list-style-type: none"> • Bioaccumulation of heavy metals in tissues of <i>cirrhinus mrigala</i> from Nathsagar dam, near Aurangabad, India • Microplastics: A review on its influence on marine species and various methods of its treatments.

	<ul style="list-style-type: none"> Assessment of Seasonal Variations in Physico Chemical characteristics of Thunga and Bhadra River Karnataka, India
2 nd April, 2022	<p>Reviewer, South Asian Journal of Research in Microbiology, (<i>Find attached certificate of review</i>)</p> <p>Paper revised</p> <ul style="list-style-type: none"> Flood-associated bacteriological status of a water body in a rural Niger Delta community, Delta State, Nigeria.
March, 2022	<p>Reviewer, Journal of Engineering Research and Reports(<i>Find attached certificate of review</i>)</p> <p>Paper revised</p> <ul style="list-style-type: none"> Groundwater Quality Assessment of Ikorodu Local Government Area of Lagos State in Nigeria (<i>Find attached, certificate of review</i>)
Feb, 2022	<p>Reviewer, Asian Journal of Advance Research and Report (<i>Find attached certificate of review</i>)</p> <p>Paper revised</p> <ul style="list-style-type: none"> Physicochemical and microbiological analysis of Ikogosi warm water spring
Feb, 2022	Editorial Board member, Journal of Pharmaceutical interventions
Nov, 2021	<p>Reviewer, Journal of Global Ecology and Environment</p> <p>Paper revised</p> <ul style="list-style-type: none"> Phytokinetic of water hyacinth (<i>Eichhornia crassipes</i>) treated crude oil-contaminated wastewater
March, 2021	Nominated, contested, and lost the 15 th of March, 2021 Pro-Vice- Chancellor's general elections.
April, 2021	Editorial Board member, Chemical Glycobiology Journal

Jan, 2021	Chairman, Editorial Board of Journal of Science Education and Research.
Jan, 2021	Chairman, Faculty of Science Education week celebration planning Committee.
April, 2020	Chairman, Committee set up by the Registrar, UEW, to investigate, an alleged missing Motorola handset labelled 060 Zulu, used at Transport Section by the Night Guard on duty.
Feb, 2020	Chairman, Committee set up by the Dean, Faculty of Science Education to plan 2021 Faculty Week Celebration
Feb, 2020	Chairman, Committee set up by the Dean, Faculty of Science Education to investigate 2019/2020 first semester alleged examination malpractices at ICT Department.
Jan, 2020	Member, Committee set up by the Dean, Faculty of Science Education to plan the First International Conference on Natural and Applied Sciences (ICNAS-2020)
March, 2020	Chairman, Committee set up by the Dean, Faculty of Science Education to review and adapt the BSc Environmental Health and Sanitation Education programme at Mampong
Jan, 2020	Reviewer, Journal of Agriculture policy and Research. (<i>Find attached Letter of attestation</i>) Papers revised: <ul style="list-style-type: none"> • Analysis of water exchange processes between groundwater and surface water in the Usangu Plains, Tanzania • Effect of sources and source proximity on cadmium content of soil and Tomato (<i>Lycopersiconesculentum</i>) around industrial areas of Bangladesh
Feb, 2019	Chairman, Committee set up by the Dean, Faculty of Science Education to Fine-tune the splitting of Faculty of Science Education document into three new Faculties.

Feb, 2019	Reviewer, Advance Journal of Chemistry, Section B: Phytochemistry, Natural products, and Pharmacology
March, 2019	Member, Editorial Board of Acta scientific Medical Sciences Journal. Papers revised: <ul style="list-style-type: none"> • Synthesis and characterization of hydrogels cross-linked with gamma radiation for use as wound dressings • Simultaneous quantitative cardio-oncology imaging using the Fleming method for Tissue and Vascular Differentiation method (FMTVDM) • Smart polymers used for enhanced oil recovery process: A comparative study. • Academic Failure in medical school. Case study at a public University in Angola. • The role of different macrophyte phenotypes in the pathogenesis of liver disease and the possibility of their use in regenerative medicine .
Nov. 2020	Chairman, Panel that selected qualified students from the three Campuses of UEW for Denmark Scholarship.
April, 2019-2020	Reviewer, International Research Journal of Public and Environmental Health. Papers revised: <ul style="list-style-type: none"> • Quality of underground well water in Enugu Metropolis • Water quality assessment of Kaduna River Using Water quality index • Assessment of lead (Pb) uptake and hazard potentials of the cassava plant (<i>Manihot esculentus cranz</i>), Daretta village, Zamfara, Nigeria. Doi: 1015739/irjpeh.19.014
Jan, 2018	Member, Editorial Board of Global Journal of Science Frontier Research

March, 2018	<p>Reviewer, Journal of Geography, Environment and Earth Science International (<i>Find attached certificate of review</i>)</p> <p>Papers revised:</p> <ul style="list-style-type: none"> • Physicochemical analysis of flowing water of three major rivers of Pune city in spring • On Petrogenetic characterisation and Paleo-Climatic study of some Clay deposits over Pre-Cambrian Basement Complex in Southwestern Nigeria
June, 2018	<p>Reviewer, Journal of Global Ecology and Environment</p> <p>Paper revised:</p> <ul style="list-style-type: none"> • Water quality appraisal and its effect on aquatic life and ecotourism: A case study at Bosomtwe in the Ashanti Region of Ghana.
NOV, 2018	<p>Reviewer, Journal of Modern Biological Research</p> <p>Paper revised:</p> <ul style="list-style-type: none"> • The amount of organic phosphate existing in the blood is the determining factor in mammal's bulk
March, 2018	<p>Co-Ordinator of a team, that wrote a proposal on climate change Resilience for the Danida project</p>
2018	<p>Member, Panel that selected qualified students from the three campuses of UEW for the Denmark Scholarship</p>
2018	<p>Member, Committee tasked by the Academic Board to review Handbook on examinations and academic programmes in UEW</p>
2018	<p>Chairman, Committee tasked by the Science Faculty Board to identify office spaces for newly appointed Senior members</p>
2018-to date	<p>Member, ICT Management Board, UEW</p>

May, 2017	Reviewer, Journal of Biological Macromolecules (<i>Find attached certificate of review</i>) Paper revised: <ul style="list-style-type: none"> • Adsorption of Zn (II) ions by chitosan-coated diatomaceous earth.
August, 2017	Chairman, Integrated Science Education Departmental Board, UEW
2017-to date	Member, Academic Board, UEW
2015- to date	Member, Faculty of Science Education Board, UEW
2015-2017	Timetable committee, UEW
2013-2015	Member, Academic Board, UEW
2013-2015	Member, Faculty of Science Education Board, UEW
2013-2015	Member, Editorial Board for Faculty Journal (JOSER), UEW
2015-2017	Member, Faculty of Science Education Board, UEW
2013-2015	Chairman, Chemistry Education Departmental Board, UEW
2010	Reviewer, West African Journal of Applied Ecology, (<i>Find the attached letter of appreciation</i>) Papers revised: <ul style="list-style-type: none"> • Effects of capping and under-capping of closed tailing dam site on soil Ph, free cyanide and some heavy metals: A case study of Ghanaian gold mine • Evaluation of integrated approach involving chemical and biological processes for detoxication of gold tailing effluents in Ghana
2006-2007	Member, Faculty of Science Education Board, UEW
2006-2007	Member, Timetable Committee, UEW

2006	Member, moderation committee for West Africa Examinations member countries, Ghana's representative for Engineering Sciences.
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11. Community Service:

<i>Period</i>	<i>Name of Association/Organisation</i>	<i>Position held (if applicable)</i>
2020	Assessed one promotion paper (FSE, UEW)	Reviewer
2018	A committee that planned the Faculty of Science Education week.	Member
2017	A committee which planned the successful purification of Torgbui Samlafo's Stool, Avenorpeme	Member
1996-2011	West African Examinations Council	Assistant Examiner

12*.Grants, Honours, and Awards:

<i>Year/Date</i>	<i>Name /Type of Award</i>	<i>Awarding Institution or Organisation</i>
2018	Citation	Ghana Students' Chemical Society
2017	Citation	Ghana Students' Chemical Society
1980-1985	Cocoa marketing Board Scholarship	Ghana Cocoa Marketing Board

13*.Key Skills: (*Special Abilities and Capabilities Acquired*)

Demonstrate knowledge in the operation and use of the following instruments

- Ghana Research Reactor-1 (GHRR-1) at Ghana Atomic Energy Commission
- Atomic Absorption Spectrophotometer
- UV Spectrophotometer
- Computer Literate
- Review articles online
- Review MPhil. theses online

14. Referees:

- i. **Name of Referee:** Prof. Serfor- Armah Yaw
Postal Address(es): Graduate School of Nuclear & Allied Sciences (GSNAS), University of Ghana, Legon, P.O Box AE1, Atomic Campus, Kwabenya, Accra, Ghana.
Telephone Number(s): +233543426365
Email Address(es): yawserfor-armah@yahoo.com
- ii. **Name of Referee:** Prof. P.O Yeboah
Postal Address(es): Graduate School of Nuclear & Allied Sciences (GSNAS), University of Ghana, Legon, P.O Box AE1, Atomic Campus, Kwabenya, Accra, Ghana.
Telephone Number(s): +233244351226
Email Address(es): poyeboah47@yahoo.com
- iii. **Name of Referee:** Prof. John, K. Eminah
Postal Address(es): Department of Chemistry Education, University of Education, Box 25, Winneba.
Telephone Number(s): +233200124408
Email Address(es): johneminah@yahoo.com

16. **Signature:**



17. **Date:** 04/01/2023