

STEPHEN KUSI

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CAREER OBJECTIVE

To add to knowledge and research to contribute my quota towards the training and development of students to make them useful in the health sector, academia, and other areas they may find themselves.

EDUCATION

1/2024 - **PhD. in Biochemistry**

Present Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana

- Completed coursework in Cancer Biology, Plant Bioactive Compounds in Cancer Treatment, Advanced Cell Biology II, and more
- **Thesis:**
Ongoing.

08/2018 – **Master of Philosophy in Biochemistry**

11/2022 Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana

- Completed coursework in Statistical Methods for Research, Cell Physiology and Biochemistry, Molecular Biology Techniques and more
- **Thesis:**
Hepatoprotective effects of aqueous and hydroethanolic stem bark extracts of *Tetrapleura tetraptera* (Schum. & Thonn.) Taub. in drug-induced toxicities in rats.

08/2015 – **Diploma in Education** (Distinction, 3.5 CGPA)

07/2016 University of Education (UEW), Winneba, Ghana

- Completed coursework in Educational Technology, General Methods in Teaching, School Administration and Management and more.

08/2007 – **Bachelor of Science (Hons.) in Biochemistry** (Second Class Upper (CGPA 3.3)

05/2011 University of Cape Coast, (UCC), Cape Coast, Ghana

- Completed coursework in Nutrition, Clinical Biochemistry, Mammalian Anatomy and Physiology, Analytical Biochemistry, Biochemistry of Hormones, Immunology and Immunochemistry, Enzymology, Biochemistry of Parasites, Biochemical Genetics and Recombinant,

Intermediary Metabolism, Integration and Control of Metabolism, Biochemical Techniques, Introductory Microbiology and more

- **Dissertation:**

Acute and sub-acute toxicity studies on aqueous extract of leaves of *Dissotis rotundifolia* on Wistar albino rats.

WORK EXPERIENCE

- 07/2024
Present - **Assistant Lecturer, Department of Chemical Sciences, University of Energy and Natural Resources, - Sunyani, Ghana**
- Lecturing
 - Carrying out Researches
 - Performing Community Services
- 09/2023
09/2024 – **Part-time Lecturer, Royal Ann College of Health – Abuakwa-Manhyia, Kumasi, Ghana**
- Teaching Biochemistry and setting examination questions
 - Marking examination scripts and submission of examination results on time
- 06/2023
07/2024 – **Part-time Lecturer, Anglican University College of Technology – Nkoranza, Bono East Region, Ghana**
- Teaching Biochemistry
 - Setting examination questions
 - Marking examination scripts and submission of examination results on time
 - Participation in other activities related to work as a part-time
- 07/2023
07/2024 – **Head of Biology, Prempeh College — Kumasi, Ghana**
- Providing academic leadership in Biology
 - Preparing scheme of work and lesson plan
 - Determining class allocation
 - Setting up WASSCE Biology Practical (Biology 3)
- 06/2022
07/2024 – **Housemaster, Prempeh College — Kumasi, Ghana**
- As loco parentis of the students in the house, ensuring their safety.
 - Meeting, counselling, and guiding students to be disciplined and well-groomed.
 - Collaborating with the Headmaster and House Staff to initiate policies and mechanisms to ensure discipline in the house.

- 10/2021
Present
- **Team Leader (TL), WAEC, - Kumasi, Ghana**
 - Vetting of Biology 3 scripts marked by Assistant Examiners
 - Participating in the coordination and marking of WASSCE Biology 3
- 05/2014
11/2020
- **Assistant Examiner (AE), WAEC - Kumasi, Ghana**
 - Participated in the coordination and marking of WASSCE Biology 3.
- 11/2012
07/2024
- **Teaching Professional (Biology and Integrated Science)
Science Department, Prempeh College — Kumasi, Ghana**
 - Helping students build learning and study skills to achieve educational goals.
 - Assisting fellow teachers with assignment development, special projects, tests, administrative updates and grading.
 - Attending and participating in school, department and subject area staff meetings to brainstorm ideas on issues.
 - Encouraging student critical thinking and discussion using a variety of teaching techniques.
 - Instructing students individually and in groups, utilizing various teaching methods.
 - Attending in-service training and professional development courses to stay on top of policy and education changes.
 - Applying proactive behaviour management techniques to facilitate classroom discipline.
 - Assessing student progress with course material through routine quizzes, final examinations and standardized assessments.
 - Providing guidance and counselling to students as Form master.
 - Assisting in internal and external invigilation of examinations.
- 10/2011
08/2012
- **Teaching & Research Assistant
University of Cape Coast — Cape Coast, Ghana**
 - Assisted in research
 - Tutored and supported students master learning concepts through one-on-one and small-group tutoring.
 - Prepared, duplicated and collated teaching materials to help students better understand learning concepts.
 - Delivered instructor support by assisting with administering tests and grading assignments and end-of-semester examinations.
 - Served as invigilation assistant for end-of-semester examinations
 - Helped in the preparation of materials for students' practical sessions.
 - Assisted final-year students in their project work.
 - Organized tutorials for undergraduate students
 - Counselling students.

- 05/2010 – **Clinical Laboratory Attendant (Intern)**
 07/2010 **Wisdom Specialist Hospital – Kumasi, Ghana**
- Performed Phlebotomy, and general medical laboratory tests: Urine routine examination, Blood grouping, Malarial test, HIV test, Stool routine examination, High vaginal swab, Haemoglobin (Hb) concentration determination, Pregnancy test
 - Compiled, modelled and reported on data for senior staff.
 - Adhered to strict security protocols to protect data confidentiality.
 - Demonstrated enthusiasm and strong communication skills, remaining open to learning new things daily.
 - Liaised with management and instructors to receive constructive criticism for areas needing improvement.
 - Worked well in a team environment as well as independently.
- 08/2005 – **Pupil-Teacher (Integrated Science)**
 07/2007 **New Life International Junior High School - Kronom, Kumasi**
- Form teacher
 - Built and strengthened positive relationships with students, parents and teaching staff.
 - Accepted constructive criticism and feedback with positivity in areas requiring improvement.
 - Created schemes of work and lesson plans to incorporate mandated topics and include immersive activities for student engagement.
 - Attended and contributed to staff meetings, workshops and school functions to enhance student learning.
 - Adhered to school schedules, regulations, policies and dress codes to promote safety and learning.
 - Offered personalized assistance to children in need of extra support.
 - Administered and collected tests, homework and various assignments from students.
 - Updated classroom records with information such as attendance, assignments and grades.

RESEARCH & PUBLICATIONS

- Hepatoprotective effects of aqueous and hydroethanolic stem bark extracts of *Tetrapleura tetraptera* (Schum. & Thonn.) Taub. in drug-induced toxicities in rats.
- A Thesis submitted to the Department of Biochemistry and Biotechnology, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, September 2022.
- Acute and sub-acute toxicity studies of aqueous leaf extract of *Dissotis rotundifolia* on Wistar albino rats.

- A Dissertation submitted to the Department of Biochemistry, School of Biological Sciences, University of Cape Coast, Cape Coast, Ghana, June 2011.
- Phytochemical constituents and Antioxidant activity of the leaves of *Launaea taraxacifolia*.
 • Supervisor, Department of Biochemistry, School of Biological Sciences, University of Cape Coast, Cape Coast, January 2012 – May 2012.
- Phytoconstituents and Antioxidant activity of the aerial parts of *Dissotis rotundifolia*.
 • Supervisor, Department of Biochemistry, School of Biological Sciences, University of Cape Coast, Cape Coast, January 2012 – May 2012.
- “Hepatoprotective effects of aqueous and hydroethanolic stem bark extracts of *Tetrapleura tetraptera* (Schum. & Thonn.) Taub. in drug-induced toxicities in rats.”
 • Article published in “Current Research in Complementary & Alternative Medicine” Journal, 2 October 2023) – First Author.
Kusi S, Larbie C, Sarfo-Antwi F (2023). Hepatoprotective Effects of *Tetrapleura tetraptera* (Schum. & Thonn.) Taub. Stem Bark Extracts in Drug-induced Toxicities in Rats. *Curr Res Cmpl Alt Med* 7: 201. www.doi.org/10.29011/2577-2201.100201
- “Acute and Sub-acute Oral Toxicity Assessment of Hydroalcoholic Root Extract of *Paullinia pinnata* on Haematological and Biochemical Parameters”
 • Article published in “Biology and Medicine” Journal, 3rd September 2012) – Corresponding Author.
 Adinortey, M. B., Sarfo, J. K., Adukpo, G. E., Dzotsi, E., **Kusi, S***, Ahmed, M. A., Abdul-Gafaru, O. (2012). Acute and Sub-acute Oral Toxicity Assessment of Hydroalcoholic Root Extract of *Paullinia pinnata* on Haematological and Biochemical Parameters *Biology and Medicine*, 4 (3): 121–125.
<https://ir.ucc.edu.gh/xmlui/bitstream/handle/123456789/5613/Acute%20and%20sub-acute%20oral%20toxicity%20assessment%20of%20hydro-alcoholic%20root%20extract%20of%20Paullinia%20pinnata%20on%20haematological%20and%20biochemical%20parameters.pdf?sequence=1&isAllowed=y>

CERTIFICATIONS

- **S4D4C European Science Diplomacy Online Course** - July 2024
- **2023 Introduction to Grant Writing Digital COURSE for clinicians, researchers and healthcare professionals by bvgh** – 13 Nov. 2023 – Feb 5, 2024
- **KNUST CHEESA-Devtown CHEMINNOTECH BOOTCAMP** – 22 May, 2023
 - Completed Online EXCEL FOR DATA ANALYTICS Bootcamp.
- **Contemporary Guidance and Counselling for Change by EDLAMS CONSULT** – December 2022.
 - Participant

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- **Sensitization on Education Policies by ROSA’S LANGUAGE CENTRE** – April 2022.
 - **Republic of Ghana Teachers' License**, National Teaching Council (NTC) – 2020
 - **Ministry of Education (GES ITEC, Biology)**, 2nd – 28th September 2013
 - Participated in Investigative Science Teaching Training of Phase III of Science Resource Centre
 - **Council for Scientific and Industrial Research (CSIR). Crop Research Institute (CRI) in collaboration with American Society of Plant Biologists (ASPB), Tuskegee University**, 12th – 15th November 2013.
 - Participant
 - **Ghana National Service Scheme (NSS)**, 2011/2012
 - Certificate of Service (#NSSGCC156111)
 - **University of Cape Coast**, 26th October., 2011 – 31st August 2012.
 - Certificate of Service

LANGUAGES

English, Asante Twi

KEY SKILLS

- Interdisciplinary teaching ability.
- Good communication skills as well as good interpersonal relationships.
- Very strong ability to learn and deliver results.
- Self-driven and self-motivated to achieve set goals.
- Ability to work effectively under little or no supervision.
- Thrive in pressurised and challenging working environments.
- Innovative, creative and problem-solving abilities.
- Proficient in Microsoft Office Word, Excel, Microsoft Office PowerPoint, and Internet User Skills.
- Enjoy the challenge of personal development and can take on board new skills and competencies as well as their teaching.
- Motivating, guiding and counselling students.
- Flexible, adaptive and a good team player.
- Standardized testing techniques.
- Leadership and management.
- Reporting and documentation.
- God-fearing, reliable, humble and trustworthy.
- General laboratory ethics and techniques.

REFERENCES

Dr (Ms.) Selina Ama Saah
Department of Chemical Sciences, University of Energy and Natural Resources, -
Sunyani, Ghana
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