



CV-Sylvia Adipah (Ph.D)

PERSONAL INFORMATION



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EDUCATION

2025 Ph. D. Environmental Engineering and Science, Chongqing University, China.
2014 M.Sc. Environmental Engineering, Chongqing University, China.
2009 B.Sc. Environmental Science, Cape Coast University, Ghana.

PROFESSIONAL EXPERIENCE

2025 Research Fellow, Centre for Climate Change and Gender Studies (3CGS), University of Energy and Natural Resources, Ghana.
2021 Lecturer, Department of Environmental Management, School of Natural Resources
2014 Co-ordinator for Third Engineering Sino-Foreign Postgraduate Forum of Chongqing University, China.
2009 Environmental Officer, Waste Management Service, Accra metropolitan Assembly, Ghana.

PROFESSIONAL SPECIALTY/TRAINING

1. Climate Change advocacy relating to policies, gender studies e.t.c.
2. Soil remediation and engineering
3. Hazards and Disaster management, Decision Support System (DSS) and Hazard Forecasting.
4. Occupational and Public Health in Safety and Disaster Management.
5. Environmental Impact Assessment and Auditing.
6. Mental Health, Work Study and First Aid (General well being of workers).

ADMINISTRATIVE EXPERIENCE

2025 Capacity building and resource mobilization, Centre of Climate Change and Gender Studies (3CGS).
2025 Communication and media relation, Centre of Climate Change and Gender Studies (3CGS).
2024 Facilitator, a workshop on first aid in University of Energy and Natural Resources (UENR).
2023 Seminar Coordinator, University of Energy and Natural Resources (UENR).
2023 Academic Counsellor, University of Energy and Natural Resources (UENR).
2023 Newsletter Editorial Board Member, University of Energy and Natural Resources (UENR).
2021 Project Supervisor, University of Energy and Natural Resources (UENR).

PROJECTS INVOLVEMENT

- 2025 Examine the climate risk over the Tano river
- 2025 Modelling the microbiological contamination of the Tano river under climate change and socio-economic scenarios.
- 2023 Assessment of heavy metals(Cadmium, Lead, Zinc and Copper) contamination in a lake at Ntensere Quarry Site, and their negative impact on human health.
- 2021 Co-digestion of organic waste as biogas slurry using anaerobic digester for sustainable agriculture.
- 2020 Biodiesel production from new non-edible *Allanblackia floribunda* seed oil.
- 2020 Acid treated attapulgite functionalized with Na-compounds as novel bi-functional heterogeneous solid catalysts for biodiesel production. a Solid waste management treatment.
- 2019 Preparation of cationic polyacrylamide and its related application in wastewater treatment.
- 2014 Remediation of contaminated total petroleum hydrocarbons using Fenton,s oxidation.
- 2009 Assessment of solidwaste management at kotokoraba market in central region, Ghana

PROFESSIONAL MEMBERSHIP

- 2025 Member of Ghana's Energy Transition Framework.
- 2024 Women in Science.
- 2021 Member, Ghana Science Association (GSA), Sunyani Chapter.

CONFERENCES/WORKSHOP/SEMINARS

- 2023 Optimized capsule networks and their applications in the medical field- PhD Viva Voce, UENR, French lab.
- 2023 Global Change: The Conscience of European Fossil Society-Public lecture, UENR, University auditorium.
- 2023 Techno-economic and policy (TEP) analysis of electricity prosumption in Ghana: implications for sustainable electricity development, PhD Viva Voce, UENR, French Multimedia Lab, September.
- 2023 Industry and Academia Interconnectivity: The plight of a fresh graduate, UENR, University Auditorium.
- 2022 A workshop organized by UENR Centre for Professional Development (CePDev) titled: Innovative teaching practices in higher education.
- 2021 A public lecture held by Prof.Elvis Asare Bediako titled: Plant Viruses: A threat to National Food Security.
- 2021 A public lecture held by Dr. Beatrice Asenso titled: Land use and land cover change.
- 2021 A public lecture held by Prof. Kwamina Panford title: Triple threats on Ghana's economic horizon: Policy implications and roles of UENR.
- 2019 A conference attended in Nanjing, South West University focusing on sustainable development,.
- 2015 A seminar held by Prof. Maurizo Meriggi titled: Designing for heritage focusing on the benefits that arise from collaboration among different institutions, and in particular among research and higher education institutions, local authorities and craftsman association.
- 2015 A seminar held by Prof. Xinhao Wang titled: Urban resilience and planning focusing on rapid urbanization and its accompanying development require understanding of various aspects of planning in order to achieve high sustainable land development and urban environment.
- 2017 A workshop organized by Prof. Leo Chow titled: Transforming the high rise focusing on client's goal for headquarters building representing the company's disparate subsidiaries as a unified whole.

- 2016 A seminar held by Prof. Yue Zhu titled: Integration of advanced technology focusing on building enclosure demands and design considerations.
- 2017 A workshop organized by Prof. Wayne Place titled: focusing on design optimization of roof day lighting systems in office and residual buildings.
- 2016 Seminar on Improving Academic Writing and International Visibility. Organised by School of Biological Sciences, University of Cape Coast at Sasakawa Center.
- 2016 Seminar on Enhancing Teaching and Research in Higher Education. Organised by School of Biological Sciences, University of Cape Coast, Bedrock Hotel, Anomabu, C/R, 22nd.
- 2013 Third Sino-Foreign Post Graduate Forum of Jiangsu University, Zhenjiang, China, 25th.
- 2012 Second Sino-Foreign Post Graduate Forum of Jiangsu University, Zhenjiang, China.

PUBLICATIONS

1. **Adipah, S.**, Edward, Y. et al. (2023). Effect of municipal solid waste dumpsite and heavy metals on human health. *Global Scientific Journals*, 11, 2320-9186.
2. **Adipah, S.**, Takase, M. (2020). Biodiesel production from new non-edible *Allanblackia floribunda* seed oil. *International Journal of Engineering Science and Innovative Technology*, 9, 1–10.
3. **Adipah, S.**, Takase, M. (2020). Acid treated attapulgite functionalized with Na-compounds as novel bi-functional heterogeneous solid catalysts for biodiesel production. *Kinetics and Catalysis*, 61, 405–413.
4. **Adipah, S.**, Liu Y., Aflakpui, F.W.K., Takase, M (2018). Evaluation of human health associated with environmental risk, *Research Reviews Journal of Ecology and Environmental Sciences* 6, 91 – 95.
5. **Adipah, S.** (2019). Introduction of petroleum hydrocarbons contaminants and its human effects. *Journal of Environmental Science and Public Health*, 3(1), 1-9.
6. Noufal, M., Maalla, Z., & **Adipah, S.** (2020). Households' participation in solid waste management system of Homs city, Syria. *GeoJournal*, 1-23.
7. **Adipah, S.**, & Kwame, O. N. (2019). A Novel Introduction of Municipal Solid Waste Management. *Journal of Environmental Science and Public Health*, 3(2), 147-157.
8. **Adipah, S.** (2018). Remediation of Petroleum Hydrocarbons Contaminated Soil by Fentons Oxidation. *Journal of Environmental Science and Public Health*, 2(4), 168-178.
9. Noufal, M. J., Maalla, Z. A., & **Adipah, S.** (2020, May). Challenges and opportunities of municipal solid waste management system in Homs city, Syria. In *Proceedings of the Institution of Civil Engineers-Waste and Resource Management* (Vol. 173, No. 2, pp. 40-53). Thomas Telford Ltd.
10. **Adipah, S.** (2019). Biodiesel Production from Parkia Oil. *J Environ Sci*, 3(1), 113-121.
11. **Adipah, S.** (2019). Challenges and Improvement Opportunities for Accra City MSWM System. *Journal of Environmental Science and Public Health*, 3(2), 133-146.
12. **Adipah, S.** (2019). Biodiesel Production from Allanblackia floribunda Seed oil. *J Environ Sci*, 3(1), 104-112.
13. **Adipah, S.** (2018). The Ecological Effects of Oil Mitigation Associated with Environmental Risk. *J Environ Sci*, 2(4), 160-167.
14. **Adipah, S.** (2019). Biodiesel Preparation from Allanblackia floribunda Seed oil. *Journal of Environmental Science and Public Health*, 3(1), 25-33.
15. William, N. T., & **Sylvia, A.** (2018). Coal and Biomass Pyrolysis and Gasification—A Review. *Journal of Energy Research and Reviews*, 1-21.