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RESEARCH INTEREST

Sustainable land and soil management and governance; gender equality in land matters and land conflict and resolution; land use change and carbon management, and sustainable environmental management.

EDUCATIONAL INFORMATION

2023- Ph. D. (Sustainable Land Management, Candidate), UENR, Sunyani

Courses read: Land Governance, Remote Sensing I & II, Economics of Land Degradation, GIS, Ethno-ecology and Land Management, GIS-Based Spatial Analysis of Degraded Land, Advance Methods for Monitoring & Mapping Land Degradation, Advance Research Methods, Land degradation and Rehabilitation.

Thesis title: Potential of Phytoremediation on soil organic carbon sequestration in Ghana.

2021-2022 M. Sc. (Land Policy and Administration), UCC, Cape Coast.

2018-2021 M. Phil. (Land Use and Environmental Science), UCC, Cape Coast.

Thesis title: Influence of Land Use Types on the Distribution of Soil Organic Carbon at Different Soil Depths at the University of Cape Coast Teaching and Research Farm.

2012–2016 B. Sc. (Land Economy), KNUST, Kumasi.

2007- 2010 Diploma in Basic Education, Gbewaa College of Education, Pusiga.

2002-2005 SSSCE, Bawku Senior High school, Bawku.

RELEVANT WORK EXPERIENCE

- **August 2024- Assistant Lecturer, Land Management Department, UENR Sunyani**
 - Teaching
 - Research and publication
 - Community services
- **2018-2023 Senior Estate Manager (Head), Estate Unit, Gbewaa College of Educ., Pusiga**
 - Advised management on estate matters and ensured proper utilization of the College's properties.
 - Prepared routine maintenance reports for management consideration.
 - Monitored and reported land encroachments matters to management for consideration.
 - Supervised about 30 members of staff within the Estate and Development Unit.
 - Supervised and certified internally and externally funded building projects of the college.

- **2015- 2018 Mathematics Teacher, Bawku Senior High School**
 - Taught Core Mathematics from SHS 1-3.
 - Researched, planned, prepared and delivered Core Mathematics lessons.
- **2014- 2015 Revenue Collection Volunteer, Garu-Tempene**
 - I was part of a team of students that collected market tolls across the district.
 - Educated market men and women of the importance of paying taxes to the District Assembly.
- **2013-2013 Internship, National Health Insurance Scheme-Garu**
 - Assisted in writing daily reports, renewal and registration of membership cards.
- **2010- 2012 Social Studies and Mathematics Teacher, Akara Junior High School**
 - Taught Social studies and Mathematics from JHS 1-3.
 - Planned, prepared, and delivered lessons to a range of Social Studies and Mathematics pupils in all forms.
- **Sept., 2010 Enumerator Population and Housing Census, Garu- Tempene**
 - Reported daily activities to Field Supervisor and Collected data on households and housing system.

PROFESSIONAL MEMBERSHIP

- **2023** Trainee Professional Ghana Institution of Surveyors
- **2010** Ghana National Association of Teachers

LEADERSHIP EXPERIENCE

- **2019-2023** Secretary, CENTSAG local chapter, GCE
- **2018- 2022** Secretary, Housing and Residence Committee, GCE.
- **2014-2015** General Secretary, GNATOC, KNUST, Kumasi.
- **2011-2012** Headmaster, Akara Junior High School, Akara-Tempene District.

WORKSHOPS/ SEMINARS/ CONFERENCES ATTENDED

- Participated in a short course on Landscape Restoration Governance organised on the 24th-28th June 2024 at University of Energy and Natural Resources, Sunyani.
- Participated in an online course ‘Reproducibility in Scientific Research organised by African Science Frontiers Initiative from 6th January to 10th February 2024.
- Completed a three-week summer school programme on Public Policy Analysis and Evaluation organized on the 8th-25th January 2024 at University of Energy and Natural Resources from.
- Completed online short course on Key Essentials: The World Economy, Sustainable Development and The Law under Democratising Education for Global Sustainability and Justice Programme, organized by University of Cambridge from 11-24th September 2023.
- Presented a paper on ‘The Potential of Greenhouse Technology on Tomato Productivity in The Transitional Zone of Ghana at KNUST International Research Conference 2023 (TEKCONFAB23) held from 29th to 31st May, 2023 under the theme: Innovation and Entrepreneurship in Science and Technology for a Sustainable Future.
- Attended a 2-day Injury Research Workshop organized by KNUST, Ghana and University of Washington from 2nd-3rd May 2023.

- Presented a paper on Phosphorus Sorption in Tropical Soils at China-Africa Urban Development Forum held at UCC on the theme: Towards Building Resilient Cities, Opportunities, Challenges and Innovation, 3rd- 4th October, 2019.
- Attended a four-week seminar on entrepreneurship clinic in 2016 organized by College of Humanities and Social Sciences in collaboration with Centre for Business development, KNUST.

PUBLICATION

- **Abindaw*, T.**, Atiiwin Abugri, D., & Atiah, K. (2024). Effects Of Greenhouse Technology on Tomato Growth and Yield (Production) In the Transitional Zone of Ghana. *Journal of Science and Technology*, 1(1), 70 - 93. <https://doi.org/10.4314/just.v1i1.1766>
- Coffie, P. C., Osei, J. D., Boamah, O. E., **Abindaw, T.** & Leta Jiru, T. (2024). Building an Efficient Land Information System in Ghana: Insights from Land Governance. *Journal of Energy Engineering and Thermodynamics (JEET) ISSN 2815-0945*, 4(03), 37–50. <https://doi.org/10.55529/jeet.43.37.50>
- Teye E., Amuah C. I. Y., Atiah K., Opoku Darko R., & **Abindaw T.**, et al. (2023). Quick Determination of Soil Quality Using Portable Spectroscopy and Efficient Multivariate Techniques. *Journal of Spectroscopy*. <https://doi.org/10.1155/2023/2024318>
- **Abindaw*, T.**, Hanyabui, E., Atiah, K., Akwasi, E. A., & Ziblim, I. A. (2023). Influence of land use types on the distribution of selected soil properties in tropical soils of the Coastal Savanna zone. *Heliyon*, 9(3) e14002: 1-13. doi.org/10.1016/j.heliyon.2023.e14002.
- Hanyabui, E., Apori, O. B., Frimpong, A. K., Atiah, K., **Abindaw, T.**, Ali, M., Asiamah, Y. J., & Byalebeka, J. (2020). Phosphorus sorption in tropical soils. *AIMS Agriculture and Food*, 5 (4): 599-616. [doi:10.3934/agrfood.2020.4.599](https://doi.org/10.3934/agrfood.2020.4.599).

GRANTS/AWARDS

- Awardee, International Postgraduate Scholarship for PhD (Sustainable Land Management awarded by Group on Earth Observation Land Degradation Neutrality Secretariat, Bonn, Germany 2023.
- Won Brew-Buttler Research grant organized and awarded by School of Graduate Studies, UCC for the 2019/2020 Academic year.

REVIEW ACTIVITIES

1. Journal of Environment, Development and Sustainability
2. Journal of Experimental Agriculture International, 2024

SPECIAL SKILLS

- Proficient user of SPSS, STATA, Minitab, and GenStat, KoboToolbox, Google forms
- Basic user of MAXQDA, ArcGIS, QGIS and Remote Sensing.

REFEREES

1. Prof. J. A. Akudugu (PhD), Dean, School of Mines and Built Environment, UENR. Tel. 0506978262; Email: jonas.akudugu@uenr.edu.gh.
2. Prof. Edward A. Ampofo (PhD), Department of Soil Science, UCC, Ghana. Tel: +233540399336; Email: akwasi.ampofo@ucc.edu.gh.
3. Prof. Simon Mariwah (PhD), Department of Geography and Regional Planning, UCC, Ghana. Tel: 0204417444; Email: smariwah@ucc.edu.gh.