CURRICULUM VITAE
PERSONAL DETAILS

Name	**Amprofi Ampah Amproche**
Citizenship	**Ghanaian**
Address	Sunyani Ghana
Email	ampah.amprofi@uenr.edu.gh	ampahamprofi@gmail.com
Telephone	+233 240 910 228

EDUCATION

January 2025- 2028	PhD candidate in Water Resource Engineering and Management Kwame Nkrumah University of Science and Technology, Kumasi Ghana
January 2021- December 2023	MSc Environmental Engineering Management University of Energy and Natural Resources, Sunyani Ghana https://uenr.edu.gh MSc Thesis "**Machine Learning-Based Assessment of Environmental Drivers on Soil Moisture Dynamics in the Volta River Basin**"
September 2015- August 2019	BSc Natural Resources Management University of Energy and Natural Resources, Sunyani Ghana https://uenr.edu.gh BSc Thesis "**Geospatial Assessment of Land Use and Land Cover Patterns in the Black Volta Basin, Ghana**"
September 2007- May 2011	Agricultural Science Annor Adjei Senior High School
Language	English, Twi, Fante (Native)

WORK EXPERIENCE

February 2021 to date	**SENIOR TECHNICIAN** University of Energy and Natural Resources. ✓ Assist undergraduate students working on the research project ✓ Collect and analyze data ✓ Assist postgraduate students with their data analysis ✓ Gives tutorials to both undergraduate and postgraduate students
2018 to 2020	**GIS TECHNICIAN** Earth Observation Research and Innovation Center (EORIC) ✓ Compiling geographic information in the form of satellite images, geographical surveys, and aerial photographs. ✓ Researching and verifying geographic data. ✓ Entering new data into the GIS database. ✓ Drawing maps using advanced GIS software.
2018 to 2020	**FIELD ASSISTANT** Building Resilience of Lake Bosomtwe to Climate Change (RELAB) Project UENR, Sunyani ✓ Collects, edits, processes, and coordinates research data.

	✓ Arranges and conducts field interviews as appropriate to the study
	✓ Records research data by specified protocols and procedures.
June to August 2017	**INTERNSHIP** Resource Management Support Centre Adum Kumasi ✓ Responsible for preparing and distributing various weekly and monthly analyses as assigned. ✓ Liaises with various departments to assist with data analysis and decision support. ✓ Biodiversity Assessment
June to August 2016	**INTERNSHIP** Chirano Gold Mines Company Limited, Chirano – Ghana Laboratory Assistant ✓ Assist in buffer mixing required for processing field samples in the laboratory. ✓ Ensure sanitation of laboratory rooms, apparatus, and equipment. ✓ Update routine records of field samples and wash chemical supply usage. ✓ Prepare chemical waste, disposal forms, reagents, and experiment solutions
Scientific and societal impact of research	
Journal Publications	✓ Domfeh, M.K., Sey, N.E.N., **Amproche, A.A**. *et al.* Exploring key drivers of forest fires in the Mole National Park of Ghana using geospatial tools. *Spat. Inf. Res*. (2022). https://doi.org/10.1007/s41324-022-00478-x ✓ Ramata Ouedraogo, Emmanuel K. Nyantakyi, Brahima Sorgho, Ebenezer K. Siabi, **Amprofi Ampah Amproche**, Abena Obiri-Yeboah, Tongnoma Zongo, Eric Mortey, Martin Kyereh Domfeh, Prince Appiah Owusu, The emergence of artisanal gold mining and local perceptions in the Hounde municipality, Burkina Faso,https://doi.org/10.1016/j.sciaf.2022.e01306. ✓ Mark Amo-Boateng, Nana Ekow Nkwa Sey, **Amprofi Ampah Amproche**, Martin Kyereh Domfeh, Instance segmentation scheme for roofs in rural areas based on Mask R-CNN, The Egyptian Journal of Remote Sensing and Space Science, 2022, https://doi.org/10.1016/j.ejrs.2022.03.017. ✓ Höflinger, S., Antwi, M., **Amprofi, A. A**., & Kabo-Bah, A. T. (2020). Spatial Identification of Potential Dump Disposal Sites for Effective Waste Management in the Sunyani Municipality, Ghana. Journal of

Geoscience and Environment Protection, 8, 93-111. https://doi.org/10.4236/gep.2020.811005

- ✓ **Amproche AA**, Antwi M, Kabo-Bah AT (2020) Geospatial Assessment of Land Use and Land Cover Patterns in the Black Volta Basin, Ghana. J Remote Sens GIS. 9:269. DOI: 10.35248/2469-4134.20.9.269

Journal Publications Under Review	International Journal of Applied Earth Observation and Geoinformation ***MACHINE LEARNING-BASED ASSESSMENT OF ENVIRONMENTAL DRIVERS ON SOIL MOISTURE DYNAMICS IN THE VOLTA RIVER BASIN***
Peer-Reviewed Articles	Journal of Environmental Monitoring and Assessment, Springer Nature
Training	✓ Agricultural Crop Classification with Synthetic Aperture Radar and Optical Remote Sensing (ARSET) ✓ Earth Observations Toolkit for Sustainable Cities and Human Settlements (ARSET) ✓ Using Earth Observations for Pre- and Post-Fire Monitoring (ARSET) ✓ Earth observation for wetlands' monitoring, assessment and management (ARSET) ✓ Mapping the future with GIS, ESRI ✓ Do-It-Yourself Geo Apps, ESRI ✓ Getting started with Spatial Analysis, ESRI ✓ Digital Cartography & Evolution of Location Intelligence, Geospatial Awareness Hub ✓ Remote Sensing for Monitoring Land Degradation and Sustainable Cities SDGs, NASA's Applied Remote Sensing Training Program (ARSET) ✓ Remote Sensing for Conservation & Biodiversity, NASA's Applied Remote Sensing Training Program (ARSET) ✓ Mapping Crops and their Biophysical Characteristics with Polarimetric Synthetic Aperture Radar and Optical Remote Sensing (ARSET)

REFERENCES

Ing. Dr. Mary Antwi,
Department of Environmental Management
University of Energy and Natural Resources
P. O. Box 214 Sunyani, Ghana
Tel: +233548709650
Email: mary.antwi@uenr.edu.gh

Surv. Ing. Dr. Peter Damoah-Afari,
Department of Geospatial Sciences
University of Energy and Natural Resources
P. O. Box 214 Sunyani, Ghana
Tel:+233 27 189 6498 / +233 24 681 3162
Email: peter.damoah-afari@uenr.edu.gh

I, Amprofi Ampah Amproche, certify that to the best of my knowledge and belief, this CV correctly describes me, my qualifications, and my experience.