

CURRICULUM VITAE (CV)

1. CONTACT DETAILS

Correspondence Address : Department of Geospatial Sciences
School of Geosciences
University of Energy and Natural Resources (UENR)
P.O. Box 214
Sunyani, Ghana

E-mail : pdafari@gmail.com / peter.damoah-afari@uenr.edu.gh

Mobile : +233 27 189 6498 / +233 24 681 3162

2. PERSONAL DATA

Surname : **DAMOAH-AFARI**

First Name : **Peter**

Profession : Geospatial Scientist

Nationality : Ghanaian

Date and Place of Birth : 24th October 1968, Accra (Ghana)

Sex : Male

Official Language : English (Fluent)

Other Language(s) : Twi (Mother Tongue)
German (Basic)

Criminal Offences : None

Health : Excellent

3. AREAS OF EXPERTISE AND RESEARCH INTERESTS

- Integration of GIS and Remote Sensing for Environmental Monitoring.
- Geospatial Analysis of Environmental and Health Related Issues
- Remote Sensing for Vegetation, Mineral, and Pollution Mapping.
- Deformation Monitoring and Measurements.

4. EDUCATIONAL QUALIFICATIONS

University Attended : **The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong.**

Degree : Ph.D. in Geodesy (Interferometric Synthetic Aperture Radar – InSAR)

Year : 2003 – 2009

Thesis Topic : Detecting Ground Settlement of Megacities Using InSAR Techniques.

University Attended : **University of Applied Sciences, Offenburg, Germany.**

Degree : Completed Coursework for Master of Science in Communication & Media Engineering.

Year : 2001 – 2003

University Attended : **International Institute for Aerospace Survey and Earth Sciences (ITC), Enschede, the Netherlands.**

Degree : M.Sc. in Geo-Information Systems for Cadastral Applications

Year : 1996 – 1998

Thesis Topic : Spatial Decision Support System (SDSS) for Selecting Sites for Tailings Dams in the Mining Industry of Ghana.

University Attended : **University of Science and Technology (UST), Kumasi, Ghana.**
 Degree : B.Sc. (Honours) in Geodetic Engineering
 Year : 1990 – 1994

School : **Prempeh College, Kumasi, Ghana.**
 Year : 1987 – 1989
 Certificate : SC / G.C.E. ‘A’ Level
 Subjects Passed : Physics, Chemistry, Mathematics and General Paper

School : **Dormaa Secondary School, Dormaa-Ahenkro, Ghana.**
 Year : 1982 – 1987
 Certificate : SC / G.C.E. ‘O’ Level
 Subjects Passed : English, Biology, Chemistry, Physics, Mathematics, Additional Modern Mathematics, Geography, and Economics.

5. AWARDS

- PhD Studentship, Hong Kong Polytechnic University, Hong Kong (2003-2006)
- Netherlands Fellowship Programme (NFP), ITC, Netherlands (1996 -1998)
- Ghana Government Scholarship, GCE O – and A – Level (1982 -1989)

6. OTHER CERTIFICATES

- **Professional Geospatialist:** Ghana Geospatial Society (GGS), Registration No.: 2022-036, 28th November 2023.
- **First Annual Ghana Geospatial Society Conference and AGM,** Ghana Geospatial Society (GGS), 28th November 2023.
- **A 2-Day Training on the Protocol to Eliminate Illicit Trade in Tobacco Products,** Food and Drugs Authority (FDA), 26th January 2024.
- **Monitoring Water Quality of Inland Lakes,** NASA’s Applied Remote Sensing Training (ARSET) Programme (18th, 20th and 25th July 2023)
- **Professional Surveyor:** Land Surveying Division, Ghana Institution of Surveyors (GhIS), Membership No.: 2794, 22nd February 2023.
- **Professional Engineer,** Civil Technical Division, Ghana Institution of Engineering (GhIE), Registration No.: 12859, 21st December 2022.
- **Monitoring and Modelling Floods Using Earth Observations,** NASA’s Applied Remote Sensing Training (ARSET) Programme (14th & 21st September 2022).
- **Humanitarian Applications Using NASA Earth Observations,** NASA’s Applied Remote Sensing Training (ARSET) Programme (14th, 16th, 21st and 23rd June 2022).
- **Earth Observations for Water Resources Assessment and Monitoring,** EO AFRICA R&D Facility (15-19th May 2022).
- **Innovative Teaching & Assessment Practices in Higher Education Training,** Centre for Professional Development (CePDev), University of Energy and Natural Resources (UENR) (10-12th January 2022)
- **LAND IN FOCUS – Forest Ecosystems,** Earth Observation (EO) College Course organized by European Space Agency (ESA) (3rd January 2022).
- **Basic Principles of Radar Backscatter,** Earth Observation (EO) College Course organized by Friedrich-Schiller Universität, Jena (5th December 2021).
- **LAND IN FOCUS - Basics of Remote Sensing,** Earth Observation (EO) College Course organized by European Space Agency (ESA) (3rd December 2021).
- **BEYOND THE VISIBLE – Introduction to Hyperspectral Remote Sensing,** Earth Observation (EO) College Course, organized by German Space Agency, DLR, GFZ (27th November 2021).
- **Satellite-based Open Data Collection and Processing on Google Earth Engine, Climate Data Analysis, and Data Management,** West African Science Service Centre on Climate Change and Adapted Land Use (WASCAL) (3rd – 5th May 2021).
- **Advanced Certificate (Skilled Worker) in Metal Scaffolding** (January 2018), Construction Industry

Council, Hong Kong.

- **Intermediate Certificate in Metal Scaffolding** (October – December 2017), Construction Industry Council, Hong Kong.

7. MEMBERSHIP OF PROFESSIONAL BODIES

- **Professional Surveyor (PSurv)**: Land Surveying Division, Ghana Institution of Surveyors (GhIS), Dip. No: 2794, December 2022.
- **Professional Engineer (PE)**: Ghana Institution of Engineers (GhIE), PE No. 12859, December 2022.
- **Professional Geospatialist (Gs)**: Ghana Geospatial Society (GGS), November 2023 – Date
- **Member**: International Federation of Surveyors (FIG), February 2023 – Date
- **Member**: Ghana Science Association (GSA), 2019 – Date
- **Member**: IEEE Geoscience and Remote Sensing Society (IEEE-GRSS), Member No.: 98578463, January 2022 – Date.

8. WORK EXPERIENCE

Name/Address of Employer : **University of Energy and Natural Resources (UENR), Sunyani, Ghana**

Date : October 2018 – Date

Post Held : **Lecturer** (Oct. 2018 – Date)
Head – Dept. of Geospatial Sciences (Aug. 2020 – July 2022)
Examinations Officer – Dept. of Geospatial Sciences (Aug. 2022 – Date)
Academic Counsellor – Dept. of Geospatial Sciences (Oct. 2022 – Date)
Postgraduate Coordinator – Dept. of Geospatial Sciences (Jan. 2024 – Date)
Undergraduate Coordinator – Dept. of Geospatial Sciences (Aug. 2022 – Date)

Fellow – Regional Center for Energy and Environmental Sustainability (RCEES) (2019 – Date).
Coordinator for Dean of Students (Feb. 2019 – Aug. 2020)

Department : Geospatial Sciences

Main Job Functions : **Lecturer (Oct. 2018 - Date)**
Duties and Responsibilities include:

- Lecturing/assessment of students in Cadastral Surveying and mapping, Introduction to Geospatial Data, Introduction to Geodatabases, Basic Photogrammetry, Geographic Information Systems, Remote Sensing, Introduction to Surveying and Mapping, Digital Cartography and Visualization, Statistics and Advanced Research Methods, Advanced Applications of GIS and Remote Sensing.
- Research
- Supervising Student Research and Project Work

Examinations Officer, Dept. of Geospatial Sciences (Aug. 2022 – Date)
Duties and Responsibilities include:

- Coordinate all examination-related matters within the department (ensuring timely submission of exam questions, making the schedule for exam invigilation, ensuring the security of exam questions, etc)
- Working closely with the School’s Examinations Officer in ensuring the collation of student’s examinations data and results.
- Performing any other duties that may be assigned to me by the Head of the Department about my schedule.

Academic Counsellor, Dept. of Geospatial Sciences (Oct. 2022 – Date)

Duties and Responsibilities include:

- Offering academic counseling on student performance and progression.
- Identifying students with low performance and any other challenges relating to their academic work to assist them appropriately.
- Scheduling meetings periodically with students to ensure their general well-being.
- Providing mentoring and guidance.
- Performing any other roles that may be assigned to me in this regard.

Head of Department (Aug. 2020 – Jul. 2022)

Duties and Responsibilities include:

- Organize and promote acceptable standards of teaching and research in the Department and to ensure that adequate facilities are available for same.
- Efficiently provide leadership in the Department per policies and procedures for the University.
- Introduction of demand-driven academic programmes.
- Liaise with other Departments, professional institutions, Associations, and similar bodies on academic-related issues and other matters affecting the Department.
- Advance and promote generally the well-being of the Department and persons engaged in the Department.
- Regularly convene meetings of the members of the Department at least three (3) times in a Semester for Planning, Teaching, Research, Regulation of courses, and evaluating the activities of the Department.

Fellow at RCEES (2019 -Date)

Duties and Responsibilities include:

- Joint Supervision of Student Research Thesis of RCESS
- Joint Teaching of Courses (PhD, MSc, and/or Short Courses) organized by RCEES
- Joint Proposal Writing with RCESS
- Joint Publication with staff and students of RCEES
- Seminars and Training for Staff and Students
- Sourcing Funds and Projects for RCEES
- Joint Project and Research Activities with RCESS

Coordinator for Dean of Students (Feb. 2019 – Aug. 2020)

Duties and Responsibilities include:

- Seek and promote the welfare of Junior Members (i.e., Students)
- Resolve conflicts that may arise between students and halls and hostels of residence as well as conflicts involving Students outside of hall and hostels.
- Oversee and coordinate the activities of SRC and GRASSAG
- Perform any other duties that may be assigned by the Vice-Chancellor, Dean-SOAT, or the Dean of Students.

Name/Address of Employer : **Prospect Pioneer Limited, Kwun Tong, Kowloon, Hong Kong**
Date : 2015 – 2018
Post Held : **Self-Employed (Managing Director)**
Department : Business
Main Job Functions : Managing the day-to-day activities of the company.

Name/Address of Employer : **Dimap HK Pty Ltd, 32 F Millennium City 1, 388 Kwun Tong Road, Kwun Tong, Kowloon, Hong Kong**

Date : November 2013 – May 2015

Post Held : **Assistant Project Engineer** (Head of Hyperspectral Section)

Department : Hyperspectral Section

Main Job Functions : Duties include:

- Manage all Hyperspectral Projects – Visible-to-Near Infrared (VNIR), Short Wave Infrared (SWIR) and Thermal Infrared (TIR) Mapping.
- Staff training on Hyperspectral Theory & Techniques, Data Processing Techniques and Methodologies for Mass Production, and Software usage.
- Hyperspectral Data Acquisition / Data Processing
- Preparation of Technical Reports, Presentations, and Training Manuals
- Meeting with Clients and Potential Clients
- Research / Development of Methodologies for Problem-Solving using Hyperspectral Data

Name/Address of Employer : **Euroasia Enterprises Limited (EA), Unit No. 416, 4/F, Block A, Po Lung Centre, 11 Wang Chiu Road, Kowloon Bay, Kowloon, Hong Kong**

Date : March 2013 – September 2013

Post Held : **Senior Engineer** (March to June)
Director of Geomatics & Photogrammetry (June to September)

Department : Technical

Main Job Functions : Duties include:

- Staff training on Surveying Theory and Techniques, Practical usage of Trimble Equipment and Solutions, and Presentation Skills.
- Liaison Officer Between EA and Local Universities/Government Departments.
- Preparation of Technical Papers/Materials for Promotional Activities
- Liaison Officer between EA and Trimble Navigation Limited
- Assignment of Tasks to other EA Staff
- Supervising other EA Staff

Name/Address of Employer : **Engineering Surveys Limited (ESL), Room 1603-4, New Victory House, 93-103 Wing Lok Street, Central, Hong Kong**

Date : January 2012 – May 2012

Post Held : **CAD Surveyor**

Department : Survey / Drawing

Main Job Functions : Responsible for Planning, Execution, and Monitoring of Engineering Surveys. Duties include:

- Setting out
- As-Built Surveys
- Topographic Surveys
- Provision of Controls – Vertical and Horizontal
- Monitoring of different features using Levelling techniques
- Marking of Reference Levels
- CAD Drawing
- Quality Control

Name/Address of Employer : **Alliance Professional Surveyors Company Limited, Unit 3, 12/F, Harry Industrial Building, 49-51 Au Pui Wan Street, Fo Tan, N. T., Hong Kong**

Date : November 2010 – December 2011

Post Held : **Senior Surveyor**

Main Job Functions : Duties include:

- Planning and Execution of Engineering and Structural Condition Surveys
- Report Writing
- Supervision of other staff

Name/Address of Employer : **The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong**
 Date : 2003 – 2009
Post Held : **Ph.D. Candidate** (2003 – 2009)
Research Assistant (Part-Time) (February 2009 – May 2009)
 Department : Land Surveying and Geo-Informatics (LSGI)
 Main Job Functions : Duties include:

- Study of Ground Deformation of Shanghai and Xi’an
- Supervising Students in Land Surveying Practical and Survey Camps
- Designing and deployment of Corner Reflectors for Slope and Landslide Monitoring

Name/Address of Employer : **Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana**
 Date : 1999 – 2006
Post Held : **University Lecturer**
 Department : Dept. of Geodetic Engineering (now Geomatic Engineering)
 Main Job Functions : Duties include:

- Lecturing/assessment of students in Geographic Information Systems (GIS), Cartography, Basic Principles of Surveying, Aerial Photo Interpretation, Land Registration, Control Surveys, and Cadastral Surveys.
- Conducting/Assessment of Students’ Practicals in GIS, Cadastral Surveying, Global Positioning System (GPS), and Cartography.
- Supervising Final Year Students in their Research or Dissertation
- Academic Tutor of Geodetic Engineering Students
- Seminar Organizer of the Department.
- Undergraduate and Postgraduate Syllabus Development
- Representative of the School of Engineering at the Board of the Faculty of Renewable Natural Resources
- Member of the Faculty Infrastructure Committee

Name/Address of Employer : **Universal Surveys, Kasoa, Ghana**
 Date : April 1999 – August 1999
Post Held : **Land Surveyor**
 Main Job Functions : Duties include, the planning and execution of:

- Control Surveys
- Topographic Surveys
- Cadastral Surveys

Name/Address of Employer : **University of Science and Technology, Kumasi, Ghana**
 Date : 1994 – 1996
Post Held : **Teaching / Research Assistant**
 Department : Geodetic Engineering
 Main Job Functions : Duties include:

- Tutoring/conducting practical work in Applied Optics, Land Surveying, Topographic Surveying, Engineering Surveying, Cadastral Surveying, Cartography, and Aerial Photo Interpretation.
- Assisting lecturers with data collection/processing for their research
- Assisting Final Year students in their research/dissertations.

Name/Address of Employer : Local Authority Junior Secondary School, Ampenkro, Ghana.
Date : 1989 – 1990
Post Held : National Service Person (Teacher)
Main Job Functions : Duties include teaching/assessment of pupils in:

- Mathematics
- Science
- Technical Drawing
- Social Studies

9. LEADERSHIP ROLES / MEMBERSHIP OF COMMITTEES

UNIVERSITY OF ENERGY AND NATURAL RESOURCES (UENR), GHANA

- **Fellow:** Regional Center for Energy and Environmental Sustainability (RCEES) (Jan. 2024 – Dec 2027).
- **Academic Counsellor:** Department of Geospatial Sciences (Aug. 2023 – Date).
- **School of Geosciences Representative:** Board of International Relations, UENR (Jan. 2023 – Date).
- **Department Examinations Officer:** Department of Geospatial Sciences (Aug. 2022 – Date).
- **Academic Counsellor:** Department of Geospatial Sciences (Oct. 2022 – July 2023).
- **Postgraduate Studies Coordinator:** Department of Geospatial Sciences (Jan. 2024 – Date).
- **Undergraduate Studies Coordinator:** Department of Geospatial Sciences (Aug. 2022 – Date).
- **Seminar and Outreach Coordinator:** Department of Geospatial Sciences (Aug. 2022 – Date).
- **Acting Head:** Department of Geospatial Sciences (Aug. 2021 – July 2022).
- **Member:** Budgetary Sub-Committee of the Academic Board (Nov. 2021 – Date).
- **Member:** Committee to Look at UENR Graduate School IT Challenges (July – Aug. 2021).
- **Head:** Department of Geospatial Sciences (Aug. 2020 – July 2021).
- **Fellow:** Regional Center for Energy and Environmental Sustainability (RCEES) (Dec. 2019 – Dec 2023).
- **Member:** Committee to Design a Strategic Plan/Implementation Plan for the School of Geosciences, UENR (April 2021 – Date).
- **Member:** Committee for the Development of Short and Certificate Courses for the Department of Geographic Science (July 2022 - Date).
- **Member:** Committee for the Development of Diploma/BSc/MSc/MPhil/PhD in Geomatics (April 2021 - Date).
- **Member:** Committee for the Development of Diploma/BSc/MSc/MPhil/PhD in Geography and Sustainable Development (April 2021 – Date).
- **Member:** Committee to Review a Proposal for MSc/MPhil/PhD in Sustainable Mining (March 2021).
- **Chairperson:** Undergraduate and Postgraduate Programmes in Geoinformation Science Development Committee (August 2020 – Date).
- **Member:** School of Geosciences Board (2020 – 2022).
- **Member:** Academic Board (2019 – 2022).
- **Member:** Students' Hostel and Accommodation Management Committee, Dormaa Campus (2019 – 2021).
- **Coordinator for Dean of Students:** UENR, Dormaa Campus (2019 – 2020).
- **Member:** Dean of Students Board (2019 – 2020).
- **Member:** School of Agriculture and Technology Board (2019 – 2020).

GHANA INSTITUTION OF ENGINEERING (GhIE), GHANA

- **Panel Member:** Panel N, Civil Engineering (Geomatic Subgroup) Professional Examination, (Apr. 2024 – May 2024).
- **Panel Member:** Panel P, Civil Engineering (Geomatic Subgroup) Professional Examination, (Nov. 2023 – Dec. 2023).
- **Panel Member:** Panel H1, Civil Engineering (Geomatic Subgroup) Professional Examination, (Aug. 2023 – 2023).
- **Chairperson:** Geomatics Subgroup of the Civil Technical Division, GhIE (May 2023 – Date).
- **Member:** Civil Technical Division Operations Committee (TDOC), GhIE (May 2023 – Date).

GHANA INSTITUTION OF SURVEYORS (GhIS), GHANA

- **Member:** Education Committee of the Land Surveying Division (LSD), 2024/25 Governing Year.
- **Member:** Continuous Professional Development (CPD) Committee of the Land Surveying Division, 2004/25 Governing Year.

BONO REGION, GHANA

- **Member:** Bono Regional Peace Council (November 2022 – Date).
- **Member:** Strategic Planning Committee, Bono Regional Peace Council (May 2023 – Date).
- **Member (Ag. Chairman):** Mpuasu-Japekrom Traditional Council and the Jaman South Municipal Assembly Dispute Mediation Committee, Bono Regional Peace Council (November 2023 – Date).
- **Member (Ag. Chairman):** Chiraa Zongo Chieftaincy Dispute Mediation Committee, Bono Regional Peace Council (May 2023 – Date).

DORMAA CENTRAL MUNICIPAL ASSEMBLY (DCMA), GHANA

- **Chairperson:** Development Planning Sub-Committee, Dormaa Central Municipal Assembly (May 2024 – Date).
- **Chairman:** District Registration Review Committee 2024 (DRRC 2023), Dormaa Central Constituency (May, 2024 – Date).
- **Chairman:** District Registration Review Committee 2023 (DRRC 2023), Dormaa Central Constituency (Sept. 2023 – Oct. 2023).
- **Chairman:** District Registration Review Committee 2020 (DRRC 2020), Dormaa Central Constituency (Jul. 2020 – Aug. 2020).
- **Government Appointee from Dormaa Traditional Council:** Dormaa Central Municipal Assembly (Feb. 2024 – Date).
- **Government Appointee from Dormaa Traditional Council:** Dormaa Central Municipal Assembly (Jan. 2020 – Dec. 2023).
- **Chairperson:** Development Planning Sub-Committee, Dormaa Central Municipal Assembly (2020 – 2023).
- **Member:** Executive Committee, Dormaa Central Municipal Assembly (2020 – 2023).
- **Member:** Public Relations and Complaints Committee, Dormaa Central Municipal Assembly (2020 – Date).
- **Member:** Spatial Planning Committee, Dormaa Central Municipal Assembly (2020 – Date).
- **Member:** Works Sub-Committee, Dormaa Central Municipal Assembly (2020 – Date).
- **Member:** District Census Implementation Committee (DCIC), 2021 Population and Housing Census, Dormaa Central Municipal Assembly (May 2021 - Date).
- **Member:** District Scholarship Review Committee, Dormaa Central Municipality (2019 – Date).
- **Chairman:** Inter-Party Dialogue Committee. The National Commission for Civic Education (NCCE), Dormaa Central Municipal Assembly (2020 – Date).
- **Member:** New Cemetery Planning Committee, Dormaa Central Municipal Assembly (Dec. 2021 - Date).
- **Chairman:** Election 2020 Parliamentary Debate in Dormaa Central Constituency (2020).
- **Chairman:** District Registration Review Committee (DRRC), Dormaa Central Constituency (Jul. 2020 - Aug. 2020).

DORMAA TRADITIONAL AREA, GHANA

- **Sanaahene (Financial Secretary)** (December 2015 – Date).
- **Stool Name:** Baffour Dr. Kwadwo Damoah-Afari
- **Gazette Serial No. (National House of Chiefs, Brong-Ahafo Region):** 2377
- **Member:** Judicial Committee of Kofi Badukrom Chieftaincy Dispute (March 2021 – Date).
- **Treasurer:** 2019 Kwafie Festival and Dormaaahene's 20th Anniversary Committee
- **Treasurer:** 2024 Kwafie Festival and Dormaaahene's Silver Jubilee Anniversary Committee
- **Chairman:** Accommodation Sub-committee, 2024 Kwafie Festival
- **Chairman:** Durbar and Protocol Sub-committee, 2024 Kwafie Festival
- **Member:** Finance & Sponsorship Sub-committee, 2024 Kwafie Festival

HONG KONG

- **Financial Secretary:** Ghanaian Community in Hong Kong (2012 – 2017).
- **Assistant Project Engineer:** Dimap HK Pty Ltd (Nov. 2013 – May 2015).
- **Director of Geomatics and Photogrammetry:** Euroasia Enterprises Limited (Jun. 2013 – Sept. 2013).
- **Senior Engineer:** Euroasia Enterprises Limited (Mar. 2013 – Jun. 2013).
- **CAD Surveyor:** Engineering Surveys Limited (Jan. 2012 – May 2013).
- **Senior Surveyor:** Alliance Professional Surveyors Company Limited (Nov. 2010 – Dec. 2011).
- **Council Member:** Hong Kong Society for Photogrammetry and Remote Sensing (HKSPRS) (2005 – 2006).
- **Member:** Hong Kong Society for Photogrammetry and Remote Sensing (HKSPRS) (2003 – 2012)

UNIVERSITY OF SCIENCE & TECHNOLOGY, KUMASI, GHANA

- **Vice President:** Association of Geodetic Engineering Students (1993 – 1994)
- **Organizing Secretary:** Brong-Ahafo Students' Union (BASU) (1991 – 1993)
- **Member:** Unity Hall Cadet, UST, Kumasi, Ghana (1990 – 1994)
- **Member:** Unity Hall Welfare Committee, UST, Kumasi, Ghana (1991 – 1994)

ANTI-BUSHFIRE VOLUNTARY SQUAD, WAMANAFI ZONE, GHANA

- **Zonal Secretary** (1989 – 1990)

VOLUNTARY WORK CAMPS ASSOCIATION OF GHANA

- **Member** (1990 – 1996)

DORMAA SECONDARY SCHOOL, DORMAA-AHENKRO, GHANA

- **Dormitory overseer:** Agyemang-Badu House (1986 – 1987)
- **Form Captain:** Forms 3C, 4 Science and 5 Science (1984 – 1987)

10. PUBLICATIONS

Book Chapter

- **Damoah-Afari, P.**, Ding, X.L., Li, Z.W., Lu, Z. and Omura, M. (2010). Magnitude and Extent of Six Years of Land Subsidence in Shanghai Revealed by JERS-1 SAR Data. In: Imperatore, P. and Riccio, D. eds. Geoscience and Remote Sensing, New Achievements. India: IN-TECH, 2010.

Journals

- Prempeh, N.A, **Damoah-Afari, P.**, Okrah, A., Mensah, C., Danquah, L., Wireko-Gyebi, R., Kumi, N., Otu-Larbi, F., Kyere-Boateng, R., Nooni, I.K., Yeboah, E., Brifah, M., Nyamekye, K.A., Anima, P.A., and Bediako-Kyeremeh, B. (2024). Spatial distribution analyses of dumpsites and investigation of effects of improper solid waste disposal on malaria prevalence in Dormaa Municipality. *GeoJournal (GEJO)* [Submission ID: GEJO-D-24-00449] (**under review**).
- Amaning, R. K., **Damoah-Afari, P.**, Amaning-Kwakye, W. and Aidoo, I. (2024). Assessing the Impact of Illegal Mining Activities in the Apamprama Forest Reserve of Ghana Using GIS and Remote Sensing Techniques. *Journal of Ghana Institution of Engineering* (**under review**).
- Darko, A.L., Amaning, R. K., **Damoah-Afari, P.**, Osei, J.D. and Amaning-Kwakye, W. (2024). Bamboo and Rattan as Alternative Plant Substitutes for Wood Used in Wood and Non-Wood Thermoplastic Composite Production for the Furniture Industry. *Journal of Ghana Institution of Engineering* (**under review**).
- Amproche, A.A., **Damoah-Afari, P.**, Komlavi, A. and Antwi, M. Combined Effects of Multiple Environmental Factors on Spatio-Temporal Variability of Soil Moisture in the Volta Rive Basin Using Machine Learning. *International Journal of Applied Earth Observation and Geoinformation* (**under review**).

- Penn, C., Danquah, L., **Damoah-Afari, P.** and Prempeh, N. A. Indigenous Adaptation Mechanism Practice and Climatic Information Needs for Dry Season Farming in Upper West Region, Ghana (EMID:72daa674d6d9dcdd). *Journal of Climatic Change*, Springer (**under review**).
- Obeng, A. S., Quaye-Ballard, J. A., Arko-Adjei, A. A., **Damoah-Afari, P.** and Obeng, K. Analyzing the Spatial Distribution Pattern of the Various Health Facilities in Asante Akim Central Municipal Assembly. *Journal of Health and Place* (**under review**).
- Arhin, E., Osei, J. D., Karim-Abdallah, B., Baah, C. and **Damoah-Afari, P.** (2024). The Concealed Perils to Public Health: Origins of Emerging Non-Communicable Illnesses (NCDs) in Mining Regions of Ghana. *Journal of Generic Engineering and Biotechnology Research*, ISSN:2690-912X, 6(1), 1-14, 5th January, 2024.
- Arhin, E., Osei, J. D., Anima, P. A. and **Damoah-Afari, P.** (2023) The pH of drinking water and its human health implications: A case of surrounding communities in the Dormaa Central Municipality of Ghana. *Journal Healthcare Treatment Development (JHTD)*, ISSN:2799-1148,4(01), 7th December, 2023). <https://doi.org/10.55529/jhtd.41.15.26>
- Osei, J. D, **Damoah-Afari, P.**, Anyemedu, F.O.K., Lartey, E.O. and Yevugah, L. L. (2023). Using Integrated GIS and Hydrological Analysis for Sizing Culverts of Multiple Channel Crossings at the Flooded Section of the Daboya-Mankarigu Road (IR10) in Ghana. *HELIYON*, 21 November 2023. <https://doi.org/10.1016/j.heliyon.2023.e22863>.
- Arhin, E., Osei, J. D., Yevugah, L. L., Abdallah, K. B. and **Damoah-Afari, P.** (2023). The Concealed Perils to Public Health: Origins of Emerging Non-Communicable Illnesses (NCDs) in Mining Regions of Ghana". *Research Square*, ISSN:2693-5015 (Online) 14th November, 2023 (Preprint). <https://doi.org/10.21203/rs.3.rs-3584771/v1>
- Saah, D., Osei, J. D. and **Damoah-Afari, P.** (2023). Spatial Analysis of Mycobacterium Ulcerans-Hosting Water Bug Critical Zones in the Amansie West District of Ghana. *Journal of Prevention, Diagnosis and Management of Human Diseases (JPDMHD)*, ISSN: 2799-1202, 3(06), 1-12, 4th November, 2023. <https://doi.org/10.55529/jpdmhd.36.1.12>.
- **Damoah-Afari, P.**, Osei, J. D., Gyesaw, R., Adu-Bonsu, K. and Amaning, R. K. (2023). Strategic Cartography: Geospatial Insights into Building Age Dynamics for Sustainable Urban Resilience in Dormaa Ahenkro, Ghana. *International Journal of Applied and Structural Mechanics (IJASM)*, ISSN: 2799-127X, 3(06), 1-13, 10th October, 2023.
- Yahaya, M., Mensah, C., Addaney, M., **Damoah-Afari, P.** and Kumi, N. (2023). Climate Change and Adaptation Strategies in Rural Ghana: A Study on Smallholder Farmers in the Mamprugu-Moaduri District. *International Journal of Climate Change Strategies and Management (IJCCSM)*, Emerald Publishing Limited, 16 (1), 112-139, 4th August 2023. <https://doi.org/10.55529/ijasm.36.1.13>.
- Osei, J. D, **Damoah-Afari, P.**, Yevugah, L. L., Mensah, C., Prempeh, N.A. and Boakye, L. (2023). Impact of Land Use and Land Cover Dynamics on Urban Heat Island in the Sunyani Municipality Using Satellite Remote Sensing. *Journal of Ghana Institution of Engineering*, 23 (2), 6-16. <https://doi.org/10.56049/jghie.v23i2.61>.
- **Damoah-Afari, P.**, Osei, J. D., Yevugah, L.L, Boakye, L. and Amaning, R. K. (2023). Integrating GIS and Satellite Remote Sensing to Assess the Geospatial Dynamics of Urban Footprints in Dormaa Central Municipality in Ghana. *Journal of Energy Engineering and Thermodynamics(JEET)*, ISSN: 2815-0945, 3(02), 22-39, 09th February, 2023. <https://doi.org/10.55529/jeet.32.22.39>.
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- **P. Damoah-Afari** and Quaye-Ballard, J.A. (2008). Computer Assisted Land Valuation using Remote Sensing and Geographic Information Systems (GIS): An Overview. *The Ghana Surveyor*, 2008, 1(1), 51-57.
- Quaye-Ballard, J.A., A. Arko-Adjei and **P. Damoah-Afari**. (2006). The Use of GIS in Archiving and Accessing Hostels Information: A Case KNUST Campus. *Proceedings of Map Africa 2006: Technology Trends, GIS Development, The Geospatial Resource Portal*.
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Conference Proceedings

- Osei, J. D, Anyemedu. F. O. K., Olenya, E., **Damoah-Afari, P.** and Yevugah, L. L. (2022). Culvert sizing for channel crossing at the flooded section of the Daboya-Mankarigu Road (IR10) in Ghana using GIS. *Ghana Infrastructure Conference 2022, 25th-28th July 2022, Accra, Ghana*.
- **Damoah-Afari, P.**, Ding, X.L., Lu, Z. and Li, Z.W. (2008). Detecting ground settlement of Shanghai using interferometric synthetic aperture radar (InSAR) techniques. *Proceedings of Commission VII, International Society for Photogrammetry and Remote Sensing (ISPRS) Congress Beijing, 2008, XXXVII(B7), 117-124*.
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- Ding, X.L., R. Xiang, J.P. Long, Z.W. Li, Q. Chen, **P. Damoah-Afari**, K.S. Fung, V. Chan and Z. Lu (2007). Experimental Studies on Monitoring Ground Motions with Corner Reflector InSAR. The 23rd Progress in Electromagnetics Research Symposium (PIERS 2007), 24-28 March 2007, Hangzhou, China.
- **Damoah-Afari, P.**, X.L. Ding, Z. Lu, Z. Li and M. Omura. (2007). Six Years of Land Subsidence in Shanghai Revealed By JERS-1 SAR Data. *International Geoscience and Remote Sensing Symposium 2007 (IGARSS07), 23-27 July 2007, Barcelona, Spain*.
- Ding, X.L, **P. Damoah-Afari**, C. Zhao and Z. Li (2007). Ground Subsidence Monitoring in Shanghai Based on Multi-Source Data. *The Fifth Cross-Straits Geomatics Conference, 19–20 November 2007, National Chiao Tung University, Hsinchu City, Taiwan*.
- **Damoah-Afari, P.** and X.L. Ding. (2005). Measuring Ground Subsidence in Shanghai Using Permanent Scatterer InSAR Technique. *The 26th Asian Conference on Remote Sensing (ACRS2005), 7-11 November 2005, Hanoi, Vietnam*.
- Ding, X.L., Z.W. Li, **P. Damoah-Afari**, and C. Huang (2005). Study of Ground Subsidence in Shanghai with Satellite Radar Remote Sensing. *The First International Symposium on Cloud-prone and Rainy Areas Remote Sensing (1st CARRS), October 2005, Hong Kong, China*.
- Quaye-Ballard, J.A., J.K. Budu-Smith and **P. Damoah-Afari**. (2004). Land Title Routines with GPS Integrated GIS. *Fourth Annual School of Engineering Research Retreat (SERR 4), of the Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana, August 2004*.

Oral Presentations

- **Damoah-Afari, P.**, Yevugah, L. L. and Osei, J. D. (Presenter). (2021), Detection and Mapping of Illegal Small-Scale Mining (Galamsey) Activities in Dormaa Municipality Using Remote Sensing. One-Day Symposium On the "The Use of Smart Technologies to Control Illegal Mining and Illegal Logging in Ghana", 10th September 2021, UENR Campus, Sunyani, Ghana.
- Maximilian Brell, Holger Eichstaedt, and **P. Damoah-Afari** (Presenter). Fusion of Full Waveform LiDAR and Hyperspectral Data. *RIEGL LiDAR 2015 International User (RIEGL LIDAR 2015)*, 5-8 May 2015, Hong Kong.

- **Damoah-Afari, P.** (Presenter) and Ding X.L. Consistent land subsidence pattern in Shanghai mapped by differential interferometry using JERS-1 SAR data. *3rd Annual Seminar on Information Science and Technology (ASSIST'07)*, 30-31 August 2007, Hong Kong.
- **Damoah-Afari, P.** (Presenter) and X.L. Ding. Measuring Ground Subsidence in Shanghai Using Permanent Scatterer InSAR Technique. *The 26th Asian Conference on Remote Sensing (ACRS2005)*, 7-11 November 2005, Hanoi, Vietnam.

11. . CONFERENCES/SEMINARS/WEBINARS/TRAINING WORKSHOPS ATTENDED

- **Participant:** Practical Application of Land Information System in Ghana. Educative Webinar Organised by the Department of Geospatial Sciences, UENR, Webinar, 17th April 2024.
- **Participant:** Geospatial Data Science: Emerging Innovations & Future Prospect. The CPD and Education Committee of Ghana Geospatial Society (GGS), Webinar, 7th March 2024.
- **Participant:** Training Workshop on Protocol to Eliminate Illicit Trade in Tobacco Products. Food and Drugs Authority (FDA) of Ghana, Business Resource Centre (BRI), Dormaa- Ahenkro, 25th – 26th January 2024.
- **Participant:** First Annual Ghana Geospatial Society Conference and AGM, Ghana Geospatial Society (GGS), 28th November 2023.
- **Participant:** *The Power of Near-Infrared (NIR) Hyperspectral Imaging*, SPECIM Webinar, 19th October 2023.
- **Participant:** Presentation on *National Cybersecurity Awareness Month*. A Webinar organized by the National Cybersecurity Authority (CSA) in Collaboration with Ghana Institution of Engineering (GhIE), 19th October, 2023.
- **Instructor:** *Climate Action*. Short course on Climate Change Responsibility and Data Modelling, Organized by The Centre for Climate Change and Gender Studies (3CGS), UENR, 2nd – 6th October, 2023.
- **Participant:** *Workshop for Panel Members*. Ghana Institution of Engineers (GhIE) Examinations Section, Online, 26th September, 2023.
- **Participant:** *The Power of Visible-to-Near-Infrared (VNIR) Hyperspectral Imaging*, SPECIM Webinar, 14th September, 2023.
- **Participant:** *Flood Risk as a Measure of Asset Value*. Webinar by FATHOM, MSCI, Tata Consulting, and Morgan Stanley, 7th September, 2023.
- **Participant:** Engineering Professionals Examination Panelists Workshop (Online), Examinations Section of Ghana Institution of Engineering (GhIE), August 2023.
- **The Ghana Water Transformation Journey: The Impact of Geospatial Technology in the Growth of Urban Water Supply in Ghana.** The Committee of Continuous Professional Development (CPD) & Education of the Ghana Geospatial Society, Webinar, 10th August, 2023.
- **Lutan-1: An Innovative L-Band Spaceborne Bistatic Interferometric SAR Mission.** By Robert Wang, China National Key Laboratory of Microwave Imaging Technology, Webinar, 3rd August, 2023.
- **See Through The Smoke – Introducing Wildfire Insights.** ICEYE for Advanced Monitoring & Damage Assessment. ICEYE Webinar, 25th July, 2023.
- Monitoring Water Quality of Inland Lakes using Remote Sensing (Section B_Part1), “**Assess Water Quality using Satellite and In Situ Observations**”, Applied Remote Sensing Training (ARSET) Program, NASA, Advanced Webinar, 25th July 2023.
- Monitoring Water Quality of Inland Lakes using Remote Sensing (Section B_Part2), “**Cyanobacteria Assessment Network (CyAN)**”, Applied Remote Sensing Training (ARSET) Program, NASA, Advanced Webinar, 20th July 2023.
- Monitoring Water Quality of Inland Lakes using Remote Sensing (Section B_Part3), “**Overview of Remote Sensing Observations to Assess Water Quality**”, Applied Remote Sensing Training (ARSET) Program, NASA, Advanced Webinar, 18th July 2023.
- European Ground Motion Service (EGMS) Webinars, “**EGMS, Urban Areas and Infrastructure**”, Webinar, 7th June 2023.
- European Ground Motion Service (EGMS) Webinars, “**EGMS and Climate Adaptation**”, Webinar, 16th June 2023.

- European Ground Motion Service (EGMS) Webinars, “**EGMS and Geological Hazards**”, Webinar, 30th April 2023.
- European Ground Motion Service (EGMS) Webinars, “**EGMS and Exploitation of Natural Resources**”, Webinar, 29th March 2023.
- 2nd Inaugural Lecturer of University of Energy and Natural Resources (UENR): “**Myths and Realities of Small-Scale Gold Mining (AGSM) in Ghana: The Green Gold Transition**”. Inaugural Lecture by Prof. Emmanuel Arhin, University of Energy and Natural Resources (UENR), Sunyani, 23rd March, 2023.
- Launch of Ghana Geospatial Society (GGS), “**Managing Our Natural Resources Through Geospatial Intelligence**”, Ghana Geospatial Society (GGS), Online Event, 16th November 2022.
- Centre for Science and Environment, India, “**Sustainable Solid Waste Management with Special Focus on Landfills and Dumpsites**”, Prof. Sahadat Hossain. Solid Waste Institute for Sustainability (SWIS), The University of Texas at Arlington, USA, 20th October, 2022.
- STEM and Engineering Education, “**The Role of Academic Staff Internship in Providing Quality University Education in Ghana**”, Prof. Kwaku Amaning Adjei (KNUST), Ghana Institution of Engineering (GhIE) Webinar Series, 31st August 2022.
- Department of Geospatial Sciences Webinar Series, “**Spatial Analysis of Mycobacterium Ulcerans-Hosted Water Bug Critical Zones in the Amansie West District of Ghana**”, Mr. Jeff Dacosta Osei (UENR), 17th August 2022.
- Humanitarian Applications Using NASA Earth Observations (Section B_Part4), “**Assessing Climate Hazards at Refugee Camps**”, Applied Remote Sensing Training (ARSET) Program, NASA, Introductory Webinar, 23rd June 2022.
- Humanitarian Applications Using NASA Earth Observations (Section B_Part3), “**Detecting Agricultural and Vegetation Changes In and Surrounding Refugee Settlements**”, Applied Remote Sensing Training (ARSET) Program, NASA, Introductory Webinar, 21st June 2022.
- Humanitarian Applications Using NASA Earth Observations (Section B_Part2), “**Mapping Refugee Settlement Growth and Population Change**”, Applied Remote Sensing Training (ARSET) Program, NASA, Introductory Webinar, 16th June 2022.
- Humanitarian Applications Using NASA Earth Observations (Section B_Part1), “**Monitoring Urban Damage with Multi-Sensor Satellite Imagery**”, Applied Remote Sensing Training (ARSET) Program, NASA, Introductory Webinar, 14th June 2022.
- Face to Face course on **Earth Observations for Water Resources Assessment and Monitoring**, EOAFRICA R&D Facility, 15-19th May 2022, ERATA Hotel, Accra, Ghana.
- **School of Geosciences Seminar on “Understanding the Promotion Criteria of the University of Energy and Natural Resources”**. By Pro-Vice Chancellor of UENR (Prof. Adekoya Adebayo), Dormaa Campus, 11 April, 2022.
- **Public Lecturer on “Prescription for Better Environment and Prevention of Spread of Non-Communicable Diseases: The Perspective of the Geoscientist”**. 10th Matriculation Lecture by Prof. Emmanuel Arhin, University of Energy and Natural Resources (UENR), Sunyani, 29th March, 2022.
- **Training Workshop on Innovative Teaching and Assessment Practices for Higher Education**. Centre for Professional Development (CePDev), University of Energy and Natural Resources (UENR), Sunyani, 10-12th January 2022.
- **Research and User Support for Sentinel Core Products (RUS) Remote Training on Disasters Management: Assessment of Floods and Burned Areas**. United Nations Office for Outer Space Affairs in Collaboration with RUS Copernicus, Remote Sensing Workshop (Online), 18th & 19th November, 2021.
- **Training Workshop for Stakeholders on Climate Change and Disaster Risk Reduction and Mitigation Strategies**. Dormaa Central Municipal Assembly (DCMA). 17th November 2021.
- **Inter-Party Dialogue Committee Meeting on Violent Extremism**. The National Commission for Civic Education (NCCE), Dormaa Central Municipal Assembly (DCMA). 10th November, 2021.
- **Google Earth Engine for Machine Learning & Change Detection**. Udemy, Paid Online Course, 18-30th October, 2021. <https://www.udemy.com/>
- **Training on Vegetation Mapping Using Google Earth Engine**, German Aerospace Center (DLR) in Collaboration with West African Science Service Center for Climate Change and Adapted Land Use (WASCAL), AgRAIN Remote Sensing Workshop (Online), 19th & 20th October 2021.
- **Introduction to NASA Resources for Climate Change Applications (Session A)**, Applied Remote Sensing Training (ARSET) Program, NASA, Introductory Webinar, 29th & 30th September, 2021.

- **Training Workshop on Risk Control, Risk Management and Social Accountability.** The Institute of Local Government (ILGS), Dormaa Central Municipal Assembly (DCMA), Dormaa-Ahenkro, Ghana, 26th May 2021.
- **Remote Sensing: A Replacement for Ground-Based Monitoring of Critical Infrastructure?** UP42 GmbH Webinar, 12th May, 2021.
- **Training on Climate-related cloud-based data collection, processing, and management,** West African Science Service Center for Climate Change and Adapted Land Use (WASCAL), 3rd - 5th May 2021.
- **ESRI Imagery and Remote Sensing Educators Summit (Online),** Environmental Systems Research Institute (ESRI), 28-29th April 2021.
- **Detecting Disinformation and Hostile Information Activities in Aerial Imagery and Geospatial Data.** Open Aerial Imagery Association Webinar, 16th December, 2020.
- **Open Sources of Aerial Imagery and Geospatial Data.** Open Aerial Imagery Association Webinar, 9th December, 2020.
- **Training Workshop on Environmental and Social Safeguard.** Ghana Secondary Cities Support Programme (GSCSP), Bono Regional Coordinating Council, University of Ghana Learning Centre (Adult Education), Sunyani, Ghana, 26th November 2020.
- **Capacity Building Training Workshop.** Training on Policy Development; Interpretation Relationship; Time Management; Monitoring and Evaluation; Supervision; and Communication Skills. The Institute of Local Government (ILGS), Dormaa Central Municipal Assembly, Dormaa-Ahenkro, Ghana, 15th September, 2020.
- **2020 Orientation and Training Programme for Members of Metropolitan, Municipal and District Assemblies (MMDAS).** The Ministry of Local Government and Rural Development (MLGRD) in Collaboration with the Institute of Local Government (ILGS), Dormaa Central Municipal Assembly, Dormaa-Ahenkro, Ghana, 19th – 20th August 2020.
- **The 3rd Mine Monitoring Workshop.** An Overall Approach to Deformation Monitoring over a Mine and Engineering Sites. Golden Tulip Hotel, Accra, Ghana, 15-16th April, 2019.
- **RIEGL LiDAR 2015 International User (RIEGL LIDAR 2015),** Hong Kong, 5-8 May 2015.
- **Basic Teaching Techniques for Research Staff and Research Students,** *Educational Development Centre, The Hong Kong Polytechnic University, Hong Kong, September 2009.*
- **3rd Annual Seminar on Information Science and Technology (ASSIST'07),** *The Hong Kong Polytechnic University, Hong Kong), 30-31 August 2007.*
- **Young Scholars Seminar 4,** *Hong Kong Society of Photogrammetry and Remote Sensing (HKSPRS) 29th March 2007, The Hong Kong Polytechnic University.*
- **Workshop on Earth Observation for Urban Planning and Management,** *Department of Land Surveying and Geo-Informatics (LSGI), The Hong Kong Polytechnic University, Harbor Plaza Metropolis, Hung Hom, Hong Kong, 20 - 21 November 2006.*
- **Developing Your Presentation Skills,** *Two-session Certificate Course for Research Students, Educational Development Centre, The Hong Kong Polytechnic University, Hong Kong, 11 and 25 April 2006.*
- **Young Scholars Seminar 3,** *Hong Kong Society of Photogrammetry and Remote Sensing (HKSPRS), The Hong Kong Polytechnic University), 24th November 2005.*
- **The 26th Asian Conference on Remote Sensing (ACRS2005),** *7-11 November 2005, Hanoi, Vietnam.*
- **Advanced Training Workshop on Remote Sensing of Land and Ocean Surface in Cloud-prone and Rainy Areas,** *Institute of Space and Earth Information Science, The Chinese University of Hong Kong, Hong Kong, October 10 - 12, 2005.*
- **The First International Symposium on Cloud-prone and Rainy Areas Remote Sensing (1st CARRS),** *The Chinese University of Hong Kong, Hong Kong, 6-8 October 2005.*
- **5th Workshop of Asia-Pacific Space Geodynamic Program,** *Hong Kong Polytechnic University, Hong Kong, 15-17 June 2005.*
- **Lasers and Their Applications,** *Complementary Studies Programme, Student Affairs Office, The Hong Kong Polytechnic University, Hong Kong, 4, 11 and 18 November 2003.*

12. POSTGRADUATE THESIS ASSESSED AS INTERNAL/ EXTERNAL EXAMINER

S/No.	Degree/Postgraduate diploma	Name of candidate	Thesis title	Institution	Date of Assessment (month/year)
1	MPhil. in Environment, Water and Sustainability (Internal Examiner)	Alex Aboagye	Spatio-Temporal Changes in Inland Wetlands in Sunyani Municipal and Policy Implications for Sustainable Management.	University of Energy and Natural Resources	02/2023
2	MPhil. in Climate Change (Internal Examiner)	Isaac Konadu	Effects of Bushfire on Forest Ecosystem in Asunafo South.	University of Energy and Natural Resources	07/2023

13. STUDENT PROJECTS SUPERVISED

POSTGRADUATE (MPhil)

2021/22 ACADEMIC YEAR

S/No.	Degree/Postgraduate diploma	Name of candidate	Thesis title	Institution	Date of award (month/year)
1	MPhil. in Climate Change (Main Supervisor)	Mumuni Yahaya	Assessing Climate Change Effects and Adaptation Strategies of Smallholder Farmers in the Mamprugu Moaduri District.	University of Energy and Natural Resources	12/2021
2	MPhil. in Climate Change (Co-Supervisor)	Penn Christopher	Indigenous Dry Season Farming Practices as an Adaptation Mechanism to Climate Variability.	University of Energy and Natural Resources	02/2023
3	MPhil. in Climate Change (Main Supervisor)	Samuel Osei Brantuo	Investigating the Prospects of Landscape Governance in the Protection of the Subim Forest in Ahafo Region.	University of Energy and Natural Resources	In Progress

2020/21 ACADEMIC YEAR

S/No.	Degree/Postgraduate diploma	Name of candidate	Thesis title	Institution	Date of award (month/year)
4	MPhil. in Climate Change (Main Supervisor)	Patrick Asare Mensah	A Comparative Analysis of the Impact of Canopy Chlorophyll on Cocoa Health: A Case Study of Bia West District of Ghana.	University of Energy and Natural Resources	02/2023
5	MSc in Sustainable Energy	Prince Sule Hamza	Identification of Potential Sites for Installing Solar PV Power Plants in Ghana Using	University of Energy and Natural Resources	Awaiting Examination

	Management (Lead Supervisor)		Geospatial Technology.	Resources	
6	MSc in Environmental Engineering and Management (Lead Supervisor)	Ampah Amprofi Amproche	Combined Effects of Multiple Environmental Factors on Spatio-Temporal Variability of Soil Moisture in the Volta River Basin.	University of Energy and Natural Resources	12/2023
7	MSc in Sustainable Energy Engineering and Management (Co-Supervisor)	Samuel Asafo Adjei	Machine Learning-Based Forecasting of Electricity Demand: Case Study of the Bono Region	University of Energy and Natural Resources	Examined and passed on 02/2024

UNDERGRADUATE (DIPLOMA and BSc)

UENR (2018 – DATE)

Academic session (2023/2024 academic session) / Institution: University of Energy and Natural Resources		
S/No	Student Name	Project Topic
1	Monica Aidoo & Maxwell Osei	The Effect of Land Surface Temperature (LST) on Soil Moisture of the Mpameso Forest.
2	Emmanuel Antwi & Evans Amoako	Investigating the Pattern and Drivers of Urban Expansion, and its Implication on LULC in Dormaa Ahenkro

Academic session (2022/2023 academic session) / Institution: University of Energy and Natural Resources	
Student Name	Project Topic
Richard Gyesaw & Kelvin Bonsu	Age Distribution Map of Buildings in a Section of Dormaa Ahenkro.

Academic session (2021/2022 academic session) / Institution: University of Energy and Natural Resources	
Student Name	Project Topic
Gifty Adjulie Akandekum (Ms.) & Ruth Amoateng Nyarko (Ms.)	Mapping the Extent of Floods in Keta Using Sentinel-1 SAR Data.

Academic session (2020/2021 academic session) / Institution: University of Energy and Natural Resources		
S/No	Student Name	Project Topic
1	Nyame Gloria Amofa (Ms.) & Ali Nurudeen Wemetu	A Geodatabase for Managing Poultry Farms in Dormaa Ahenkro.
2	Pearlina Yeboah (Ms.) & Collins Twene	Effect of Waste Disposal on the Quality of Underground and Surficial Water in Dormaa Ahenkro.

Academic session (2019/2020 academic session) / Institution: University of Energy and Natural Resources		
S/No	Student Name	Project Topic
1	Adjei Korang Rachel (Ms.) (BSc Natural Resources).	Detection and Estimation of the Rate of Illegal Logging at Mpameso Forest Reserve Using GIS and Remote Sensing.
2	Victoria Ayeh (Ms.)	Land Use / Land Cover Change Mapping in Dormaa Central Municipality Using GIS and Remote Sensing
3	Gabriel Awuah Addae	Prospects and Challenges of Poultry Farming in the Dormaa Municipality.
4	Isaac Amoanyi	Effects of Solid Waste Management in Dormaa Cental Municipality.
5	Samuel Adu Karikari	Evolution of Surveying as a Profession in Ghana: Prospects and Challenges.
6	Evelyn Gyamfi Poluaa (Ms.)	A Spatial Assessment of Compliance to Food Vending Safety Standards in Dormaa Ahenkro.

Academic session (2018/2019 academic session) / Institution: University of Energy and Natural Resources		
S/No	Student Name	Project Topic
1	Andrea Kenzie Kandolo (Ms.)	Crime Analysis in Old Tafo Municipality Using GIS
2	Morrison Abena Kyerewaa (Ms.)	Selecting Sites for Waste Dump Using GIS and Remote Sensing: The Case Study of Dormaa Ahenkro.
3	Bernice Sarfoah Yeboah (Ms.)	The Use of GIS in Accessing Automated Teller Machines in Dormaa Ahenkro.
4	Philip Sackey	Accessing Health Facilities in Dormaa Municipality Using GIS.
5	Yamoah Manu Franklin	Land Use and Land Cover Mapping Using GIS and Remote Sensing: A Review.
6	Ebenezer Kwadwo Boahene	Flexibility of GIS in Population and Housing Studies in Dormaa Municipality.

7	Osei Karikari Desmond	A Malaria Risk Map of Dormaa Ahenkro Using Remote Sensing and GIS.
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KNUST (1999 – 2001)

Academic session (1999/2000 academic session) / Institution: Kwame Nkrumah University of Science and Technology (KNUST)		
S/No	Student Name	Project Topic
1	Kwabena Yeboah Acheampong, Nicholas Dzakpasu & Francis K. Ghartey	GPS Planimetric Controls on KNUST Campus.
2	Quaye-Ballard J. Arthur & Budu-Smith J. K.	Land Title Routines with GPS Integrated GIS.

Academic session (2000/2001 academic session) / Institution: Kwame Nkrumah University of Science and Technology (KNUST)		
S/No	Student Name	Project Topic
1	Abdul Sallam Wahab	Knowledge-Based System (KBS) for Selecting the Most Suitable Method for Large-Scale Topographic Surveys of Small Areas.
2	Isaac Nii Noi Tetteyfi & Isaac Lawson	Automation of Students' Registration Process: A Case Study of School of Engineering.
3	GIS as a Tool for Revenue Mobilization: Case Study of Kumasi Metropolitan Assembly.
4	Samuel Gyamfi	GIS as a Tool for Selecting Optimal Site for Parking: Case Study of Adum, Kumasi.

14. COURSES TAUGHT

POSTGRADUATE

UENR (2018 – DATE)

2023/24 ACADEMIC YEAR

- PGIS 703: Remote Sensing and Photogrammetry (MSc – Regular Weekends) (Credits: 3)
- EEMA 605: Remote Sensing and Geographic Information Systems (PhD – Regular Weekends) (Credits: 3).
- EEMA 513: Remote Sensing and Geographic Information Systems (MSc – Regular Weekdays) (Credits: 3).

2022/23 ACADEMIC YEAR

- EEMA 605: Remote Sensing and Geographic Information Systems (PhD – Regular Weekends) (Credits: 3).
- EEMA 513: Remote Sensing and Geographic Information Systems (MSc – Regular Weekdays) (Credits: 3).
- SEEM 723: Application of GIS and Remote Sensing in Energy Systems (PhD – Regular Weekends)

(Credits 3)

2021/22 ACADEMIC YEAR

- EEMA 605: Remote Sensing and Geographic Information Systems (PhD – Regular Weekends) (Credits: 3).
- EEMA 513: Remote Sensing and Geographic Information Systems (MSc – Regular Weekends) (Credits: 3).
- EEMA 513: Remote Sensing and Geographic Information Systems (MSc – Regular Weekdays) (Credits: 3).
- SEEM 623: Application of GIS and Remote Sensing in Energy Systems (PhD – Regular Weekends) (Credits 3)
- SEEM 534: Application of GIS and Remote Sensing in Energy Systems (MSc – Regular Weekends) (Credits 3)
- SEEM 534: Application of GIS and Remote Sensing in Energy Systems (MSc – Regular Weekdays) (Credits 3)

2020/21 ACADEMIC YEAR

- CLIM 703: Statistics and Advanced Research Methods (Credits: 3)
- SEMA 705: Advanced Applications of GIS and Remote Sensing in Energy Systems (Weekend) (Credits: 3).
- SEMA 705: Advanced Applications of GIS and Remote Sensing in Energy Systems (Weekdays) (Credits: 3).

2019/20 ACADEMIC YEAR

- CLIM 703: Statistics and Advanced Research Methods (Credits: 3)
- CLIM 714: Advanced Applications of GIS and Remote Sensing (Credits: 3)

2018/19 ACADEMIC YEAR

- CLIM 703: Statistics and Advanced Research Methods (Credits: 3)
- CLIM 714: Advanced Applications of GIS and Remote Sensing (Credits: 3)

UNDERGRADUATE

UENR (2018 – DATE)

2023/24 ACADEMIC YEAR

- DGEO 101: Geometry and Trigonometry (3 Credits)
- DGEO 103: Introduction to Surveying (3 Credits)
- GISS 103: Introduction to Cartography (Credits: 3)
- GEOM 103: Geometry and Trigonometry I (3 Credits)
- DGIS 207: Cadastral Surveying/Mapping (Credits: 3)
- DGIS 211: Basic Photogrammetry (Credits: 2)
- GISS 301: Photogrammetry (Credits: 3)
- GISS 313: Topographic Surveying (3 Credits)
- DGIS 212: Diploma Project (Credits: 3)

2022/23 ACADEMIC YEAR

- DGIS 103 Introduction to Geospatial Data (2 Credits)
- DGIS 207: Cadastral Surveying/Mapping (Credits: 3)
- DGIS 211: Basic Photogrammetry (Credits: 2)
- DGIS 102: Introduction to Surveying & Mapping (Credits: 3)
- DGIS 108: Statistics for Geoscientists (2 Credits)
- DGIS 204: Digital Cartography & Visualization (Credits: 3)
- CCSD 302: Applied Remote Sensing (Credits: 3)
- DGIS 212: Diploma Project (Credits: 3)

2021/22 ACADEMIC YEAR

- DGIS 207: Cadastral Surveying/Mapping (Credits: 3)
- DGIS 211: Basic Photogrammetry (Credits: 2)
- CCSD 303: Applied Geographical Information Systems (Credits: 3)
- DGIS 102: Introduction to Surveying & Mapping (Credits: 3)
- DGIS 204: Digital Cartography & Visualization (Credits: 3)
- CCSD 302: Applied Remote Sensing (Credits: 3)
- DGIS 212: Diploma Project (Credits: 3)

2020/21 ACADEMIC YEAR

- PLSS 109: Geographic Information Systems and Remote Sensing I (Credits: 2)
- DGIS 103: Introduction to Geospatial Data (Credits: 2)
- DGIS 201: Geographic Information Systems II (Credits: 3)
- DGIS 205: Introduction to Geodatabases (Credits: 2)
- DGIS 207: Cadastral Surveying/Mapping (Credits: 3)
- DGIS 211: Basic Photogrammetry (Credits: 2)
- CCSD 303: Applied Geographical Information Systems (Credits: 3)
- PLSS 106: Geographic Information Systems and Remote Sensing II (Credits: 3)
- DGIS 102: Introduction to Surveying & Mapping (Credits: 3)
- DGIS 108: Statistics for Geoscientists (Credits: 2)
- CCSD 204: Principles of GIS and Remote Sensing (Credits: 3)
- DGIS 212: Diploma Project (Credits: 3)

2019/20 ACADEMIC YEAR

- PLSS 109: Geographic Information Systems and Remote Sensing I (Credits: 2)
- DGIS 103: Introduction to Geospatial Data (Credits: 2)
- DGIS 201: Geographic Information Systems II (Credits: 3)
- DGIS 205: Introduction to Geodatabases (Credits: 2)
- DGIS 207: Cadastral Surveying/Mapping (Credits: 3)
- DGIS 211: Basic Photogrammetry (Credits: 2)
- PLSS 106: Geographic Information Systems and Remote Sensing II (Credits: 3)
- DGIS 104: Geographic Information Systems I (Credits: 2)
- DGIS 102: Introduction to Surveying & Mapping (Credits: 3)
- DGIS 204: Digital Cartography & Visualization (Credits: 3)
- DGIS 212: Diploma Project (Credits: 3)

2018/19 ACADEMIC YEAR

- DGIS 103: Introduction to Geospatial Data (Credits: 2)
- DGIS 205: Introduction to Geodatabases (Credits: 2)
- DGIS 207: Cadastral Surveying/Mapping (Credits: 3)
- DGIS 211: Basic Photogrammetry (Credits: 2)
- DGIS 104: Geographic Information Systems I (Credits: 3)
- DGIS 102: Introduction to Surveying & Mapping (Credits: 3)
- DGIS 204: Digital Cartography & Visualization (Credits: 3)
- DAGR 214: Principles of GIS and Remote Sensing (Credits: 2)
- DGIS 212: Diploma Project (Credits: 3)

KNUST (1999 – 2001)

- GE 174: Aerial Photo Interpretation
- GE 231 Control Surveys 1
- GE 271: Cartography
- GE 271: Cartography
- GE 463: Land and Geographic Information Systems (GIS)
- GE 464: Database Systems
- GE 484: Cadastral Surveying.
- GE 499: Project

15. COMPUTER LITERACY

CAD, GIS, AND REMOTE SENSING PACKAGES

- SNAP
- AutoCAD
- MicroStation
- ArcGIS
- QGIS
- Global Mapper
- ENVI
- GAMMA Software
- PARGE
- ATCOR
- ERDAS IMAGINE
- DORIS
- PCI Geomatics
- 3DEM
- ILWIS
- EathView InSAR

DATABASE MANAGEMENT

- Microsoft Access
- Structured Query Language (SQL)
- Oracle
- Visual dBase

PROGRAMMING LANGUAGES

- BASIC
- MATLAB

16. REFEREES

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