Curriculum Vitae – ING. PROF. MARY ANTWI (PhD)

PERSONAL DETAILS

Date of birth: 9th June, 1982
Nationality: Ghanaian
Marital status: Married
Place of birth: Kumasi - Ghana
Address: P.O. Box BP 336, Bohyen, Kumasi/ Department of Environmental Management, P. O. Box 214, UENR, Sunyani, Ghana
Position: Senior Lecturer, Geospatial Environmental Management (since November, 2020)
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ORCID: https://orcid.org/my-orcid?orcid=0000-0002-6226-5464
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Researcher ID: https://www.webofscience.com/wos/author/record/AAX-1013-2021?state=%7B%7D
Scopus AU-ID: 57215600756

SUMMARY

Experienced academic leader with a strong track record in teaching, research, and administration. Proven ability to lead and manage teams, develop strategic plans, and foster collaborative partnerships.

OBJECTIVE

To utilize my skills and experience to contribute positively to teaching and research; and achieve excellence in my field of expertise that will contribute to the institution's success, achievements and aspirations of becoming a world class institution of excellence.

ACADEMIC BACKGROUND

1. PhD soil science, Kwame Nkrumah University of Science and Technology (KNUST), September, 2011 to November, 2015

2. Master of Science in Geographic Information System and Land Management, Faculté des Sciences, Hassan II University, Casablanca – Morocco, October 2008 – June, 2010.

3. Practical French Study Certificate, Faculté des sciences et L'Education, Rabat – Morocco, September 2007 – June 2008

4. BSc. (Hons) in Geodetic Engineering, KNUST, August, 2003 – May, 2007

SCIENTIFIC QUALIFICATIONS/RESEARCH INTERESTS

- Geo-Environmental Resource Management expert
- Geographic Information Systems/ Remote Sensing expert
- Geostatistical/spatial analyst
- Land management systems and Surveying
- Environmental/Climate modelling
- Soil scientist/Integrated soil fertility management

EMPLOYMENT HISTORY/WORK EXPERIENCE

1. Jan. 2026 to date – Associate Professor, Department of Environmental Management, School of Natural Resources, SUnyani

2. 2020 – date, Senior Lecturer, Department of Environmental Management, University of Energy and Natural Resources. Sunyani
3. 2016 to 2020, Lecturer, Department of Environmental Management, University of Energy and Natural Resources, Sunyani
4. 2014 – 2016, Part-time instructor at College of Agriculture and Natural Resources (CANR), KNUST, Kumasi
5. 2010 – 2011, National Service Personnel at the office of the Provost, CANR, KNUST

ACADEMIC EXPERIENCE

Senior Lecturer, Department of Environmental Management, November, 2020

- ❖ Led research teams and mentored graduate students
- ❖ Developed and taught undergraduate and graduate students
- ❖ Published numerous papers in top-tier journals

OTHER PROFESSIONAL EXPERIENCE

1. Women's Leadership and Management in Gender Responsive Agriculture Systems (2025)
2. Energy Efficiency Policy management using geospatial tools (2025)
3. Research and Grantsmanship (2024)
4. Business Communication, Digital Marketing, and Book keeping (2023)
5. Climate change responsibility and data modelling (2023)
6. Innovative Teaching and Assessment Practices in Higher Education (2022)
7. Expert in Digital Education (2022)

PROJECT INVOLVEMENT/ACHIEVEMENTS

1. ACU Gender Project 2024 for supporting women in science and research through mentorship and networking as the lead investigator
2. NTFP domestication and cocoa systems diversification at Lake Bosumtwe Biosphere reserve, Ghana (NTFP Bosumtwe), in partnership with Eberswalde University for Sustainable Development and Forest Research Institute, Ghana (FORIG).
3. Association of Commonwealth Universities Gender Grant project on Sexual Harassment Awareness Campaign Project in Higher Learning institutions as project team member
4. Climate Change education and Quiz project in Bono, Bono East and Ahafo regions of Ghana, funded by ActionAid, Ghana.
5. Nature Based Solutions for Forest Landscape Restoration (Bono East Region) in partnership with Wageningen Centre for Development Innovation and Solidaridad, Ghana.
6. Fellow, Regional Centre for Energy and Environmental Sustainability, https://rcees.uenr.edu.gh/faculty/
7. Assistant project manager, Advance Fire Information Systems project funded by the Skills Development Fund.
8. Building the Resilience of Lake Bosomtwe to Climate Change (RELAB) project funded by DANIDA – involved in the watershed modelling, land use change and sedimentation rates.
9. Assistant to Project facilitator – Alliance for Green Revolution in Africa (AGRA) project, KNUST, Ghana.
10. Alliance for Green Revolution in Africa Soil Health Project, KNUST
11. GIS/Map analyst – Institutionalization of quality assurance mechanism and dissemination of top-quality commercial projects (COMPRO), KNUST
12. GIS/Map analyst – Building Stronger Universities (BSU) project, KNUST

LEADERSHIP EXPERIENCE/ RESEARCH ACTIVITIES

1. Head, Department of Environmental Management (Since August 2024)
    - ❖ Coordinated departmental activities especially through research and publications with postgraduate students
    - ❖ Worked with staff to obtain accreditation certificates for departmental undergraduate and postgraduate programmes
    - ❖ Facilitated graduation of backlog postgraduate students for the MSc/MPhil/PhD Environment. Water and Sustainability
    - ❖ Engaged communities and second cycle institutions on environmental education and stewardship
    - ❖ Pioneered World Environmental Day celebration at the department from 2025 with secured funding for the department
    - ❖ Developed partnership with industry, government institutions and other Universities for future collaborations with the department
    - ❖ Enhanced the departmental visibility through radio programmes with staff of the department
    - ❖ Enhanced postgraduate students' enrolment for our postgraduate programmes
    - ❖ Pushing for the accreditation of the department's second undergraduate programme in BSc Land Reclamation and Restoration Management
2. Head, Centre for Climate Change and Gender Studies, UENR (August 2023 – July, 2024)
    - ❖ Managed Centre staff
    - ❖ Developed partnership with industry and government
    - ❖ Involved in school management team
    - ❖ Managed Centre budget and resources
3. Postgraduate Coordinator, School of Natural Resources (August, 2020 – July, 2023)
    - ❖ Coordinate postgraduate activities in the school
    - ❖ Organise seminars and presentations for postgraduate students
4. Head, Environmental Management Department (September, 2019 – July, 2020)
    - ❖ Developed postgraduate programme (Environment, Water and Sustainability)
    - ❖ Chaired re-accreditation of departmental programmes
    - ❖ Managed faculty and staff
    - ❖ Implemented departmental strategic plan and budget
    - ❖ Fostered staff development and departmental seminars
5. Team member, collaboration between University of Energy and Natural Resources and Lakehead University, Canada.
6. Exams Officer, School of Natural Resources (2018/2019 academic year)
7. Data collection, analysis and mapping for decision making
8. Data modelling and creating decision support systems
9. Laboratory soil analyses and database management
10. Participatory research, lecturing, mentoring and supervision of students' project works
11. Conducting field experiments and trials
12. Attending conferences and networking, surfing for geographic data
13. **Advocacy for climate change adaptation and environmental sustainability (#SDG 13 – climate action)**
    https://gna.org.gh/2023/08/shoppers-must-use-biodegradable-bags-to-prevent-plastic-waste-effect-on-environment/
    https://www.modernghana.com/news/1246079/university-students-asked-to-help-improve-climate.html

14. **Education on climate change adaptation strategies for farming communities**
    https://gna.org.gh/2023/07/dr-antwi-advises-farmers-to-contribute-to-nations-climate-change-adaptation-actions/
    https://www.invasieve-exoten.info/en/display-on-pages/article/situational-analysis-techiman-north-district-ghana.htm
15. **Stakeholder engagements on climate change effects and building resilience for the future**
    https://www.graphic.com.gh/news/general-news/ghana-news-lake-bosomtwe-fast-losing-vegetation-cover-study.html

SKILLS

- ❖ Strong leadership and management skills
- ❖ Excellent communication and interpersonal skills
- ❖ Ability to develop and implement strategic plans
- ❖ Experience with budgeting and financial management
- ❖ Strong research and academic background

SCIENTIFIC/PROFESSIONAL NETWORKS

1. Vice-President – Women in Engineering, Bono Regional Chapter of GhIE
2. Patron, Women in Engineering – UENR students' chapter
3. Member, STEM standing committee of council, GhIE
4. Global Landscape Forum, Wageningen Centre for Development Innovation
5. Member, Ghana Institution of Engineering (GhIE No. 11203)
6. Member, Ghana Science Association
7. Member, Organisation of Women in Science for the Developing World (OWSD)
8. Subscriber/Member, African Soil Health Consortium, CABI, Nairobi, Kenya
9. Beneficiary, Alliance for Green Revolution in Africa project
10. Subscriber/Member, African Women in Agricultural Research and Development (AWARD)

AWARDS/GRANTS

1. AWARD Policy fellow Cohort 3 – Gender Responsive Agriculture Systems Policy (GRASP) Fellowship (2025 -2026)
2. ACU Gender Grant Award 2024
3. Government of Ghana/Morocco Students Scholarship (2007 – 2010)
4. Student Research Award – Alliance for Green Revolution in Africa (AGRA) Soil Health (2011 – 2015)

KEYWORDS

Decision support system | Data analysis & modelling | Database Management Systems | GIS & Remote Sensing | Soil Analysis

PUBLICATIONS

Peer-reviewed Journal Articles

1. Adjei, V., Mensah, L., Amoakoh, A. O., **Antwi, M**., Nkrumah, G., Essah, I. S., ... & Boateng, G. A. (2026). Satellite-based assessment of mining-related sediment influence on water quality in an extractive river basin. *Environmental Research*, 124376. https://doi.org/10.1016/j.envres.2026.124376

2. **Antwi, M**., Sanyarebeka, C., Adu, E. A., & Afour, S. A. (2026). Wildfire hazard modelling in the Ahafo Region of Ghana using GIS–based multi-criteria decision-making analysis. *Ecological Modelling*, *514*, 111494. https://doi.org/10.1016/j.ecolmodel.2026.111494

3. Andoh, C.N., Ackerson, N.O.B., **Antwi, M**. *et al.* (2026). Assessment of residential solid waste management practices along Lake Volta, Ghana. *Aquat Ecol* **60**, 8. https://doi.org/10.1007/s10452-025-10250-6

4. Andoh, C. N., Ackerson, N. O. B., **Antwi, M**., Agbeko, E., Adu-Boahen, K., & Anyan, K. F. (2025). Charting pollution: spatial modeling of microplastics distribution in sediments and surface water from Lake Volta, Ghana, using ArcGIS. *International Journal of Energy and Water Resources*, 1-15. https://doi.org/10.1007/s42108-025-00417-0

5. Adusu, D., Kumi, S., **Antwi, M.,** Asigbaase, M., & Sackey, E. K. (2025). Drivers of Illegal Mining in the Amansie West District Using the Partial Lease Square Model. *Environmental Development*, 101291. https://doi.org/10.1016/j.envdev.2025.101291

6. Boakye, S.K., Danquah, L., **Antwi, M.** (2025). Maternal mental health improvement in Ghana: role of green spaces exposure. BMC Women's Health. 25(1):328. https://doi.org/10.1186/s12905-025-03886-x PMID: 40618119; PMCID: PMC12228349.

7. Nkonu, R. S., & **Antwi, M**. (2024). A novel ANN-CA and MCDA integrated framework for predicting urban expansion and its implications on future flood risk, Accra Metropolis. *Environmental Development*, 101061. https://doi.org/10.1016/j.envdev.2024.101061

8. Veraart, J.A., Linderhof, V., van Oosten, C.J.c, Duku, C., Appelman, W.A.J., Groot, A.M., Sterk, M., Voskamp, I. , Derkyi, M., **Antwi, M**., Fumey Nassah, V., Kankam Nuamah, S., Damoah, A., Gyamfi, E. (2024). Use of spatial information to remove barriers and to foster enablers of uptake of Nature Based Solutions for food production and water resource management in Ghana and the Netherlands. *International Journal of Water Governance*, *11*. https://doi.org/10.59490/ijwg.11.2024.6741

9. Andoh, C. N., Attiogbe, F., Ackerson, N. O. B., **Antwi, M**., & Adu-Boahen, K. (2024). Fourier Transform infrared Spectroscopy: An analytical technique for microplastic identification and quantification. *Infrared Physics & Technology*, 105070. https://doi.org/10.1016/j.infrared.2023.105070

10. Adjei, V., & **Antwi, M**. (2023). Land use change detection using the intensity analysis at the Bosomtwe District, Ashanti Region, Ghana. Smart Agricultural Technology, 5, 100290. https://doi.org/10.1016/j.atech.2023.100290

11. Osei-Gyabaah, A. P., **Antwi, M**., Addo, S., & Osei, P. (2023). Land suitability analysis for cocoa (Theobroma cacao) production in the Sunyani Municipality, Bono Region, Ghana. Smart Agricultural Technology, 100262. https://doi.org/10.1016/j.atech.2023.100262

12. Nkonu, R.S., Antwi, M., Amo-Boateng, M. (2023). GIS-based multi-criteria analytical hierarchy process modelling for urban flood vulnerability analysis, Accra Metropolis. *Nat Hazards*. https://doi.org/10.1007/s11069-023-05915-0

13. Duku, C., Rossi Cervi, W., Derkyi, M., Verweij, P., **Antwi, M**., Damoah, A., Gyamfi, E., Kankam Nuama, S., Linderhof, V., Fumey Nassah, V., & van Oosten, C. (2023). *Mapping opportunities for rainwater harvesting and forest landscape restoration in Ghana's Bono-East region: a participatory modelling approach*. (Report / Wageningen Centre for Development Innovation; No. WCDI-22-231). Wageningen Centre for Development Innovation. https://doi.org/10.18174/584095

14. Linderhof, V., Cervi, W. R., van Oosten, C., Duku, C., Witte, E., Derkyi, M., **Antwi, M**., ... & Kwadwo, S. A. (2022). *Rainwater harvesting for irrigation for climate-resilient and circular food systems: The case of Ghana's Bono East Region* (No. WCDI-22-204). Wageningen Centre for Development Innovation.

15. van Oosten, C., Derkyi, M., **Antwi, M**., Nassah, V. F., Nuamah, S. K., Ralitsa, V., ... & Witte, E. (2022). *Restoring forested landscapes for climate resilient and circular food systems: The case of Ghana's Bono East Region* (No. WCDI-22-203). Wageningen Centre for Development Innovation.

16. **Antwi, M**. (2022) Evaluation of District-Based Indigenous Farmers' and Researchers' Fertilizer Application for Optimal Maize Production. *Agricultural Sciences*, **13**, 591-611. doi: 10.4236/as.2022.134040.

17. Austin Asare, Hans Thodsen, **Mary Antwi**, Emmanuel Opuni-Frimpong, Peter Sanful. (2021). Land Use and Land Cover changes in Lake Bosumtwi Watershed, Ghana (West Africa). Remote Sensing Applications: Society and Environment, 23, 100536. https://doi.org/10.1016/j.rsase.2021.100536.

18. Adams, E. D., & **Antwi, M**. (2021). Modelling the risk of forest to fire for the Bosomkese Forest Reserve, Ahafo Region, Ghana. *South African Journal of Geomatics*, *10*(1). DOI: 10.4314/sajg.v10i1.5

19. Höflinger, S., **Antwi, M**., Amprofi, A.A., and Kabo-Bah, A.A. (2020). Spatial Identification of Potential Dump Disposal Sites for Effective Waste Management in the Sunyani Municipality, Ghana. *Journal of Geoscience and Environment Protection*. Vol. 8(11). DOI: 10.4236/gep.2020.811005

20. Bienibuor, A.K., Preko, K., Aning, A.A., **Antwi, M**., and Emahi, I. (2020). Application of Elcetromagnetic and Electrical Resistivity Methods for Borehole Siting in Low-Grade Metavolcanic and Metasedimantary Rocks, Sunyani West, Ghana. *Journal of Environment and Earth Science*. Vol. 10 (10), DOI: 10.7176/JEES/10-10-05

21. Amproche, A.A., **Antwi, M**., Kabo-bah, A.T. (2020). Geospatial Assessment of Land Use and Land Cover Patterns in the Black Volta Basin, Ghana. *Journal of Remote Sensing and GIS*. Vol. 9 (1), 1000269. 1-7. DOI: 10.35248/2469-4134.20.9.269

22. **Antwi, M**., Duker, A. A., Fosu, M., and Abaidoo, R. C. (2019). Using Geographic Information Systems to Assess the Distribution of Major Soil Nutrient Contents in the Northern Region of Ghana. *Journal of Energy and Natural Resource Management*, Special Issue ICCCSDA, 2017. Vol 1, Theme 1: Environment, Technology and Sustainable Development. DOI: https://doi.org/10.26796/jenrm.v1i1%20SPECIAL.84

23. Appiahene, P. and **Antwi, M**. (2019). Application Of GIS To Create Social Media Awareness To The Effects Of Illegal Mining On Natural Resources In The Tano North District Of Ghana. Journal of Energy and Natural Resource Management, Special Issue ICCCSDA, 2017. Vol 1, Theme 1: Environment, Technology and Sustainable Development. https://doi.org/10.26796/jenrm.v1i1.121

24. **Antwi, M**., Appiahene, P. and Boakye – Ansah, Y. A. (2019). Promoting Afforestation for Sustainable Communities Using Gamification. Journal of Energy and Natural Resource Management, Special Issue ICCCSDA, 2017 Special Issue: Agriculture and Natural Resources Vol 1, 43-49. https://doi.org/10.26796/jenrm.v1i2.130

25. **Antwi, M**., Duker, A.A., Fosu, M. and Abaidoo, R. C. (2017). Simulation of major soil nutrients requirement for maize production using the QUEFTS model in the Northern region of Ghana. *Direct Research Journal of Agriculture and Food Science*, Vol 5 (2), 133-140. Article number: DRJA43071532

26. **Antwi, M**., Duker A.A., Fosu M. and Abaidoo R. C. (2016). Geospatial approach to study the spatial distribution of major soil nutrients in the Northern region of Ghana. *Cogent Geoscience*, 2 (1), Taylor and Francis publications, http://dx.doi.org/10.1080/23312041.2016.1201906

Book and Book Chapters

1. Boakye, E.K., Antwi, M., Kesseh, D. (2026). The Changing Landscape of Dormaa Central Municipal Through Vegetation Losses: Evidence from Machine Learning and Remote Sensing Analysis. In: Ghosh, S., Mahalingam, B., B. C., V. (eds) Geospatial Solutions for Ecological Challenges and Sustainability. Advances in Geographic Information Science. Springer, Cham. https://doi.org/10.1007/978-3-032-12737-2_7

2. Kabo-Bah, Amos T., Daniella D. Sedegah, **Mary Antwi**, Webster Gumindoga and Saied Eslamian. "How to Increase Water Harvesting in Africa". *Handbook of Water Harvesting and Conservation: Case Studies and Applications Examples* (2021):141 – 151. Wiley Online Library. https://onlinelibrary.wiley.com/doi/abs/10.1002/9781119776017.ch9

3. **Antwi, M.** (2020). Integrated soil fertility management as a potential for Ghana's development: A geospatial approach, In The challenge of African Potentials: Conviviality, Informality and Futurity. Editors: Yaw Ofosu-Kusi and Motoji Matsuda. Langaa RPCIG publications, Cameroon. ISBN: 9789956551149; 276 pp.

4. **Antwi, M**. and Sedegah, D. D. (2018). Climate change and societal change – impact on hydropower energy generation, In Sustainable Hydropower in West Africa: Planning, operation, and challenges. Editors: Amos Kabo-bah and Chukwuemeka J. Diji. Academic Press, Elsevier publications, United Kingdom. ISBN: 978-0-12-813016-2; 236 p.

5. **Antwi, M**. (2015). Using Geospatial analysis to monitor impact of integrated soil fertility management on major soil nutrients in selected Districts of Northern region, Lambert Academic Publishing, Germany. ISBN: 978-3-659-80782-4

Conference Proceedings

1. Mary Antwi and Sandra Yamoah. Spatial Explicit modelling of the influence of Broussonetia papyrifera on soil properties within the Tinte Bepo Forest Reserve, Ashanti Region, Ghana presented at the 34th Biennial Conference of the Ghana Science Association, University of Development Studies from 23rd to 25th September, 2025.

2. Mary Antwi, Isaac Adom Dapaah, Jackson Adiyiah Nyantakyi, Fred Owusu Ansah. Geostatistical Analysis of soil heavy metals distribution and health risk assessment within the catchment of Sunyani refuse dumpsite presented at the SThisd International Conference at the Tyco City Hotel on the 23rd to 25th August, 2023.

3. Sterk, M., van Oosten, C. J., Linderhof, V., Cervi, W. R., Derkyi, M., **Antwi, M**., ... & Verweij, P. J. F. M. (2022). Nature-based adaptation pathways for climate-resilient and safe food systems. In *Wageningen Integration for Impact (WIFI) Conference: Lessons learned on Interdisciplinary and Transdisciplinary Research & Education in Support of the SDGs*. https://research.wur.nl/en/publications/nature-based-adaptation-pathways-for-climate-resilient-and-safe-f/

Conferences/Workshop/Seminars/Webinar/Short courses Attended for the past five years

1. Enhancing Negotiation Skills for women under the Gender Responsive Agriculture Systems Policy (GRASP)-AWARD fellowship in Mombasa, Kenya, from July 20th to 24th April, 2026.

2. 34th Biennial Conference of the Ghana Science Association on the theme 'Leveraging innovative science to strengthen public-private partnerships for sustainable development in Ghana' at the University of Development Studies, Tamale, Ghana, from the 23rd to 25th September, 2025.

3. Women's Leadership and Management Course (WLMC) under the Gender Responsive Agriculture Systems Policy (GRASP) in Mombasa, Kenya, from July 27th to August 2nd, 2025.

4. 19th Biennial Workshop of the Ghana Science Association on the theme 'Innovative, Affordable and Sustainable Energy Supply in Ghana for the 4th Industrial Revolution' at the RCEES Auditorium, UENR on the 10th October, 2024.

5. Women-in-WACREN Workshop 2024, organised by West and Central African Research Educational Network on the theme, 'Python for Weather and Climate data analyses at the VCG office, Accra from 27th to 30th August, 2024.

6. Seminar on indigenous seed development organised by ActionAid, Ghana on the 22nd May, 2024 at the Eusbett Hotel, Sunyani, Ghana.

7. OWSD Ghana Chapter Conference on the theme 'Women Scientists and their contribution to the attainment of the Sustainable Development Goals (SDGs)' on the 8th and 9th March, 2024 at the Amonoo Neizer (IDL) conference centre, KNUST, Kumasi, Ghana.

8. Short course on '*Facilitating multi-stakeholder collaboration for food, agriculture and nature'* organized on 23 October – 8 December, 2023 by Wageningen Centre for Development Innovation. Blended course partly online and face-to-face in Kenya.

9. Scientific Engagement and Knowledge in Action Workshop organised by the 'Building the resilience of Lake Bosomtwe to climate change – RELAB' project on the 25th and 26th October, 2023 at the Rosewood Cottage Hotel, Kumasi.

10. Partnership for Enhanced and Blended learning, West Africa training programme on 'Virtual Learning Environment (VLE) Activities & online facilitation techniques' from the 2nd October to 22nd October, 2023 scheduled online.

11. GhIE Annual Ethics Lecture (2023), titled "Improving National Values, professional Practice, and Engineering Ethics" organized by the Ghana Institution of Engineering on 26th October, 2023 at the Engineering Centre, Roman Ridge Accra.

12. National Climate Justice Conference. Theme: "*How the finance flow: The banks fueling the climate crisis*". Organized by ActionAid Ghana at the Mensvic Hotel, Accra on the 17th October, 2023.

13. Climate responsibility and data modelling short course. Organized by the Centre for Climate Change and Gender Studies for students and professionals at the French Multimedia Laboratory, University of Energy and Natural Recourses from 2nd to 6th October, 2023

14. Understanding the factors Driving Land Use, Land Use change and Forestry impacts in Sub-Saharan Africa Workshop. Organized by the Earth Observation and Research Innovation Centre, University of Energy and Natural Resources and the Lancaster Environment Centre, Lancaster University at the Sheila's Executive Lodge, Sunyani on the 25th and 26th September, 2023.

15. Annual Stakeholder collaboration workshop. Organized by ActionAid Ghana at Tyco City Hotel on 24thAugust, 2023.

16. International Youth Day Workshop titled "*Green skills for Youth: Towards a more sustainable world*". Organized by ActionAid Ghana, Bono, Bono East and Ahafo Regions at the Tyco City Hotel, Sunyani on the 15th August, 2023.

17. Sthisd International Conference (maiden international conference on Science, Technology and Health Innovation for Sustainable Development) organised by the School of Sciences, University of Energy and Natural Resources from 23rd – 25th August 2023 at the Tyco City Hotel, Sunyani, Ghana.

18. Online short course on seven strategies for scientists to communicate their research and create a brand, organised by Researcher Academy, Elsevier and completed on 30th May 2023.

19. Digital Education Masterclass organised by the Centres of Competences in digital Education (C-CODE) project from the EPFL and Mohammed VI Polytechnic University from 4th October, 2021 to 12th May, 2022 held both online and face to face at Abuja, NOUN University.

20. Food Security in a changing climate, an online international course organised by the Wageningen Centre for Development Innovation, Wageningen, the Netherlands from 21st September, 2021 to 30th November, 2021.

21. Landscape Governance, an online short course organised by the Wageningen Centre for Development Innovation, May – June, 2021.

22. Bridging the Gap – Science for the public, an online short course delivered by the Danida Fellowship Centre, December, 2020.

23. Conducting Excellent and Innovative Research despite the pandemic, a webinar series organised by CSIR branch of OWSD Ghana Chapter and supported by Elsevier, October, 2020.

24. Research Paper Writing Workshop and Retreat organised by the office of Grants and Research (KNUST) and WABER conference at Kwame Nkrumah University of Science and Technology from 30th July to 1st August, 2019.

25. Researcher Connect Workshop on Academic writing and Publications organised by the British Council at the Accra City Hotel from the 13th to 16th March, 2019.

26. Good Assessment practices in Higher Education: improving Teaching and Learning Workshop organised by the Quality Assurance Unit of University of Energy and Natural Resources, Sunyani at the Sheila's Executive Hotel from the 16th to 17th January, 2019.

REFERENCES

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