



Ethel Ansaah Addae

(PhD)

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GoogleScholar: <https://scholar.google.com/citations?hl=en&user=FbagJI0AAAAJ>

SciProfile: <https://sciprofiles.com/profile/ETHELANSAAH>

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|---|--|---|--------------------|---|--------------------|---|--------------------|--|--------------------|
| Profile | <p>A researcher with experience in:</p> <ul style="list-style-type: none"> • Water resources management, policy and governance • Water demand management plans • Environmental studies • Research methods and data analysis • Geography and regional planning | | | | | | | | |
| Competencies | <p>Effective written and verbal communication skills, attention to details, innovative teamwork, problem identification, meeting facilitation, ability to support the mentoring of graduate students</p> | | | | | | | | |
| Skills | <p>Computer Skills</p> <ul style="list-style-type: none"> ➤ Canva ➤ EVIEWS ➤ Microsoft Suite ➤ R program ➤ SPSS ➤ STATA ➤ Zigmaplot ➤ Zotero | | | | | | | | |
| Academic Qualification | <table border="1"> <tr> <td data-bbox="316 1255 1295 1444"> <p>Doctor of Philosophy (Management Science and Engineering) Jiangsu University, Zhenjiang, Jiangsu Province, P. R. China <i>Thesis: Factors influencing Water Resources Availability and Water Use Efficiency: Evidence from sub-Saharan Africa</i></p> </td> <td data-bbox="1295 1255 1575 1444" style="text-align: center;">2018 - 2021</td> </tr> <tr> <td data-bbox="316 1444 1295 1617"> <p>Master of Philosophy (Geography and Regional Planning) University of Cape Coast, Cape Coast, Ghana <i>Thesis: Suburban Sprawl in Ghana: evidence from Amamoma, Kwaprow and Akotokyir in the Cape Coast Metropolis</i></p> </td> <td data-bbox="1295 1444 1575 1617" style="text-align: center;">2012 - 2017</td> </tr> <tr> <td data-bbox="316 1617 1295 1717"> <p>Bachelor of Arts (Social Sciences) University of Cape Coast, Cape Coast, Ghana</p> </td> <td data-bbox="1295 1617 1575 1717" style="text-align: center;">2007 - 2011</td> </tr> <tr> <td data-bbox="316 1717 1295 1822"> <p>Senior High School Certificate Aggrey Memorial Episcopal Zion Senior High School, Cape Coast, Ghana</p> </td> <td data-bbox="1295 1717 1575 1822" style="text-align: center;">2003 - 2006</td> </tr> </table> | <p>Doctor of Philosophy (Management Science and Engineering) Jiangsu University, Zhenjiang, Jiangsu Province, P. R. China <i>Thesis: Factors influencing Water Resources Availability and Water Use Efficiency: Evidence from sub-Saharan Africa</i></p> | 2018 - 2021 | <p>Master of Philosophy (Geography and Regional Planning) University of Cape Coast, Cape Coast, Ghana <i>Thesis: Suburban Sprawl in Ghana: evidence from Amamoma, Kwaprow and Akotokyir in the Cape Coast Metropolis</i></p> | 2012 - 2017 | <p>Bachelor of Arts (Social Sciences) University of Cape Coast, Cape Coast, Ghana</p> | 2007 - 2011 | <p>Senior High School Certificate Aggrey Memorial Episcopal Zion Senior High School, Cape Coast, Ghana</p> | 2003 - 2006 |
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**Career
Experience and
Awards**

Research Fellow **2024 – date**
Center for School and Community Science and Technology (SACOST), Institute of Educational Research and Innovation Studies (IERIS), University of Education, Winneba, Ghana

- Grant Sourcing
- Research
- Publication
- Community Services

Postdoctoral Researcher **2021-2023**
Department of Management, Jiangsu University, Zhenjiang, Jiangsu Province, P. R. China

- Research and publication of articles in peer reviewed journals
- Assisted postgraduate students with research work and dissertation
- Resource person for research methods (Masters students)
- Undergraduate students' advisor

Teaching Assistant **2018-2020**
Department of Management, Jiangsu University, Zhenjiang, Jiangsu Province, P. R. China

- Assisted postgraduate students with research work and dissertation
- Resource person for research methods (Masters students)
- Undergraduate students' assistant

Assistant Officer **2013 - 2018**
Department of Planning and Surface Water, Water Resources Commission, Ghana

- Assisted in internal administration of water use permits and drilling license.
- Collection and collation of data from the water users for assessment
- Assisted in the provision of technical support on surface water resources for the management of river basins
- Assisted with the preparation of projects progress reports
- Coordination and liaison with Municipal, Metropolitan and District Assemblies on projects within their catchment areas
- Proof reading of technical documents
- Review of the Water Use and Drilling License Permit
- Monitoring and Evaluation of projects
- Provided other administrative support such as writing of minutes during project meetings

Teaching Assistant (National Service) **2011-2012**
Department of Geography and Regional Planning, University of Cape Coast, Cape Coast, Ghana

- Assisted students who had challenges with Urban geography, Agricultural geography and Physical geography
- Assisted with the marking of quizzes and assignments

Intern **2009-2010**
Department of Planning, Cape Coast Metropolitan Assembly, Cape Coast, Ghana

- Monitoring of projects
- Performed administrative tasks for the Planning officer

Awards

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| Jiangsu University Presidential Scholarship, China | 2018-2021 |
| Second Class Category, Jiangsu Provincial Scholarship, China | 2019-2020 |
| Graduate Student's Scholarship, Ghana | 2012-2014 |

Research interest and Publications

Research Interest (Environment & Water Resources Management)

- Application of Data Envelopment Analysis in determining water use efficiency
- Water quality: impact of anthropogenic activities on surface water quality
- Safety plans towards water, sanitation and hygiene (WASH)
- Water resources availability, scarcity and access to improved water sources
- Environmental sustainability: the impact of socio-economic indicators on climate change
- Managing suburban sprawl in developing countries
- Community development: rural livelihoods empowerment through engagement of stakeholders
- Resident's emotions towards natural resources management
- Urban geography: effects of urban sprawl on socio-economic development

Academic Publications

1. **Addae E. A.**, Sun D., Abban O. J., Addae J. F. (2022). Appraising the spillover effect of water use efficiency indicators in sub-Saharan Africa: a spatial econometric approach. *Heliyon*, 8 (11) e11672 <https://doi.org/10.1016/j.heliyon.2022.e11672>
2. Wu J., Abban O. J., Boadi A. D., **Addae E. A.**, Akhtar M., Hongxing Y., Ofori C. (2022). Time-Frequency Contained Co-Movement of Renewable Electricity Production, Globalization, and CO2 Emissions: A Wavelet-Based Analysis in Asia. *Energy Reports*, 8 (2022) 15189-15205. <https://doi.org/10.1016/j.egy.2022.11.054>
3. **Addae E. A.**, Sun D., Abban O. J. (2022). Evaluating the effect of urbanization and foreign direct investment on water use efficiency in West Africa: application of the dynamic slacks-based model and the common correlated effects mean group estimator. *Environment, Development, and Sustainability*, <https://doi.org/10.1007/s10668-022-02284-9>
4. Sun D., **Addae E. A.**, Jemmali H, Mensah I. A, Musah M., Mensah C.N., Appiah-Twum F. (2021). Examining the determinants of water resources availability in sub-Saharan Africa: A panel-based econometrics analysis. *Environmental Science and Pollution Research* 28(17), 21212-21230. doi:10.1007/s11356-020-12256-z
5. **Addae E. A.** & Kyere F. (2021). Of economic development, urbanization, human capital and environmental pollution in the BRICS and MINT countries: Application of the PMG-ARDL Model. *European Modern Studies Journal* 5(3): ISSN 2522-9400.
6. **Addae E. A.** & Amowine N. (2020). Assessment of water use efficiency in sub-Saharan Africa: Application of the Malmquist Productivity Index. *International*

Journal of Scientific Research in Science & Technology 7 (6): 66-78.
<https://doi.org/10.32628/IJSRST20766>

7. **Addae E. A.** & Adu D. (2020). Investigating water poverty in sub-Saharan Africa: Addressing the potentials for water resources management, and policy implications. International Journal of Scientific Research in Computer Science, Engineering & Information Technology 6 (6): 57-64. <https://doi.org/10.32628/CSEIT20664>

International Journal Reviews

- **Springer Database:** Environmental Science and Pollution Research; Environment, Development and Sustainability
- **Miscellaneous:** Internally reviewed manuscripts and thesis/dissertation for PhD and Masters candidates of the Department of Management, Jiangsu University, China.

Conferences, Associations and Awards

Conferences and Workshops Attended

- 9th SINO-foreign Postgraduate conference - Jiangsu University, China, November, 2019.
- Conference on water pollution control and basin water resources protection for officials from developing countries – Beijing, China, 2016.
- Training of Trainers Workshop on Catchment Conservation for WASH stakeholders in the Central, Volta and the three Northern Regions of Ghana organized by UNICEF, 2015.
- Workshop: Capacity Building in Water Quality Monitoring and Surveillance in Ghana – The Riparian Buffer Zone Policy – Miklin Hotel Kumasi, Ghana, 2014.
- Forum: Beyond the Pipeline: Public-Private Partnerships for Community Water Solutions – Holiday Inn Hotel, Ghana, 2014.

Professional Associations and Networks

- Member: American Association of Geographers (AAG), ID: 90111335
- Member: American Water Resources Association (AWRA), ID: 64986

Referees

Professor Kwabena Barima Antwi

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Cape Coast – Ghana
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Professor Dongying Sun

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