KWABENA BARIMA Antwi

Professor · Geography & Regional Planning
University of Cape Coast

ORCID 0000-0002-8700-931X · Website sites.google.com/view/kwabenaantwi/home?authuser=1 · Google Scholar scholar.google.com/citations?user=SD9fHWMAAAAJ&hl=en · Profile scholar.ucc.edu.gh/staff/d83a6545-73ce-4200-af9a-1d1dbfb09bda

PROFILE

Kwabena is an Environmental Geographer specializing in the dynamics of climate-agroecosystem interactions, climate variability and change, smallholder farmers, climate adaptation, and food security. Kwabena has published in high-impact environmental science journals and served as a reviewer for collections from Springer Nature, Taylor & Francis, Elsevier, and Frontiers.

He has secured research funding from the Australian Government through its Research Training Program (RTP) Scholarship, the Edna Bailey Sussman Fund, and the Albert, Norma, and Howard Geller ’77 Endowed Research Award. As part of an NSF-funded research initiative, he worked with a team of researchers in Central Mexico to understand climate change impacts on agriculture. His research has been featured on prestigious platforms such as the American Geophysical Union (AGU) Annual Meeting.

RESEARCH

Interests	? Development Planning and Management (focusing on rural and urban settlements challenges · public sector reform · human and ins · Climate change adaptation · Crop insurance · Climate-agroecosystem interactions · Food security · Climate variability and change · Smallholder farming systems
Areas	Sociology and Political Science · Urban Studies · General Agricultural and Biological Sciences · Strategy and Management · Public Administration · Safety Research

RESEARCH SUMMARY

30	597	16	16	4.17	37%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 30 publications listed below, 2008–2023. Field-weighted impact is the mean over the 27 works scored for it; 1.00 is the world average for works of the same field, type and year. 10 of the 27 papers scored for it are among the world's most cited tenth for their field, type and year.

EDUCATION AND QUALIFICATIONS

Doctor of Philosophy 2022–present
Geography, Clark University, Worcester, United States

Master of Arts 2022–2026
Geography, Clark University, Worcester, United States

Master of Philosophy 2021–2023
Environmental Science, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

Bachelor of Science 2015–2019
Environmental Science, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

DISTINCTIONS, MEMBERSHIPS AND SERVICE

First Class Honors 2019
Department of Environmental Science, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

Grade A (MPhil Environmental Science)
Department of Environmental Science, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

Judge
Massachusetts Science and Engineering Fair, Worcester, United States

Ph.D. Co-President
Clark University Graduate Student Council, Worcester, United States

Steward
Teamsters Union Local 170 - Worcester, Massachusetts, International Brotherhood of Teamsters, Washington D.C., United States

Graduate Student Council Committee
Graduate School of Geography, Clark University, Worcester, United States

Community Volunteer
Regional Environmental Council, Worcester, United States

Community Volunteer
Citizens Climate Lobby, Central Massachusetts, United States

Assistant Consultant 2020
International Affairs - Ghana, United Nations Development Programme, NY, United States

Project Manager 2020
Environmental Leadership Forum, Kumasi, Ghana

PUBLICATIONS

Journal articles 27

1. Ebenezer Ebo Yahans Amuah, **Kwabena Antwi**, Nelson Awuah Ankamah (2023). Elemental burdens of cosmetics and associated health and environmental impacts: A global view. *World Journal of Advanced Research and Reviews*. https://doi.org/10.30574/wjarr.2023.20.2.2175
2. **Kwabena Antwi**, Philip Antwi-Agyei (2023). Intra-gendered perceptions and adoption of climate-smart agriculture: Evidence from smallholder farmers in the Upper East Region of Ghana. *Environmental Challenges*. https://doi.org/10.1016/j.envc.2023.100736
3. Philip Antwi-Agyei, Jonathan Atta-Aidoo, Peter Asare-Nuamah, Lindsay C. Stringer, **Kwabena Antwi** (2023). Trade-offs, synergies and acceptability of climate smart agricultural practices by smallholder farmers in rural Ghana. *International Journal of Agricultural Sustainability*. https://doi.org/10.1080/14735903.2023.2193439
4. Dickson Okoree Mireku, Peter Kwabena Acheampong, **Kwabena Barima Antwi**, Ishmael Kwabla Hlovor (2022). Evaluating the effectiveness of principles used for sharing resources of the Lower Ankobra Basin in the Western Region, Ghana. *Natural Resources Forum*. https://doi.org/10.1111/1477-8947.12265
5. Alawi Mohammed Jamal, Philip Antwi-Agyei, Frank Baffour-Ata, Elias Nkiaka, **Kwabena Antwi**, Antoinette Gbordzor (2021). Gendered perceptions and adaptation practices of smallholder cocoa farmers to climate variability in the Central Region of Ghana. *Environmental Challenges*. https://doi.org/10.1016/j.envc.2021.100293
6. Ebenezer Ebo Yahans Amuah, Prince Amanin-Ennin, **Kwabena Antwi** (2021). Irrigation water quality in Ghana and associated implications on vegetables and public health. A systematic review. *Journal of Hydrology*. https://doi.org/10.1016/j.jhydrol.2021.127211

7. Frank Baffour-Ata, Philip Antwi-Agyei, Gideon Owiredu Apawu, Elias Nkiaka, Evans Amoako Amoah, Ruth Akorli, **Kwabena Antwi** (2021). Using traditional agroecological knowledge to adapt to climate change and variability in the Upper East Region of Ghana. *Environmental Challenges*. https://doi.org/10.1016/j.envc.2021.100205

8. Agyemang, Kwabena Koforobour, Amoako-Sakyi, Regina Obilie, **Antwi, Kwabena Barima**, Mensah, Collins Adjei, Abane, Albert Machistey (2020). Transit oriented development: theory and implementation challenges in Ghana. *DOAJ (DOAJ: Directory of Open Access Journals)*. https://doi.org/10.6092/1970-9870/6981

9. Moses Naiim Fuseini, Francis Enu-Kwesi, **Kwabena Barima Antwi** (2020). Utilisation of Livelihood Empowerment Against Poverty Transfer: Evidence from the Upper West Region of Ghana. *Journal of Planning and Land Management*. https://doi.org/10.36005/jplm.v1i1.3

10. Simon Mariwah, Ruth Evans, **Kwabena Barima Antwi** (2019). Gendered and generational tensions in increased land commercialisation: Rural livelihood diversification, changing land use, and food security in Ghana's Brong-Ahafo region. *Geo Geography and Environment*. https://doi.org/10.1002/geo2.73

11. Peter Gyimah, Simon Mariwah, **Kwabena Barima Antwi**, Kow Ansah-Mensah (2019). Households' solid waste separation practices in the Cape Coast Metropolitan area, Ghana. *GeoJournal*. https://doi.org/10.1007/s10708-019-10084-4

12. A. Amu-Mensah Marian, B. Kendie Stephen, **K. Barima Antwi**, K. Amu-Mensah Frederick, Farhad Analoui, Mireku Dickson, Amu-Mensah Saraphina (2019). Knowledge Relationships in Freshwater Governance. *Sociology Mind*. https://doi.org/10.4236/sm.2019.93015

13. Justice Nana Inkoom, Benjamin Kofi Nyarko, **Kwabena Barima Antwi** (2017). Explicit Modeling of Spatial Growth Patterns in Shama, Ghana: an Agent-Based Approach. *Journal of Geovisualization and Spatial Analysis*. https://doi.org/10.1007/s41651-017-0006-2

14. Moses Naiim Fuseini, Francis Enu-Kwesi, **Kwabena Barima Antwi** (2017). Social Cash Transfers: Some Underlying Debates and Implications for Policy Making. *Ghana Journal of Development Studies*. https://doi.org/10.4314/gjds.v14i2.1

15. Collins Adjei Mensah, **Kwabena Barima Antwi**, James Kweku Eshun, Paul Baidoo (2017). Towards sustainability: Overcoming the physical barriers to urban green spaces in Kumasi, Ghana. *Ghana Journal of Geography*.

16. Collins Adjei Mensah, Lauren Andres, Paul Baidoo, James Kweku Eshun, **Kwabena Barima Antwi** (2016). Community Participation in Urban Planning: the Case of Managing Green Spaces in Kumasi, Ghana. *Urban Forum*. https://doi.org/10.1007/s12132-016-9295-7

17. Augustina Araba Amissah, John Victor Mensah, **Kwabena Barima Antwi** (2015). ROLE PERFORMANCE AND CHALLENGES OF MALE SINGLE-PARENT FAMILIES IN THE CENTRAL REGION OF GHANA. *Advances in Social Sciences Research Journal*. https://doi.org/10.14738/assrj.211.1630

18. Ruth Evans, Simon Mariwah, **Kwabena Barima Antwi** (2015). Struggles over family land? Tree crops, land and labour in Ghana's Brong-Ahafo region. *Geoforum*. https://doi.org/10.1016/j.geoforum.2015.10.006

19. **KWABENA BARIMA Antwi** (2014). Assessment of management attitudes on corporate social responsibility in Ghana: A case of some selected companies in the Tema Metropolis. *European Journal of Business and Social Science*. https://www.researchgate.net/profile/Kofi-Adu-Boahen/publication/265489858_ASSESSMENT_OF_MANAGEMENT_ATTITUDES_ON_CORPORATE_SOCIAL_RESPONSIBILITY_IN_GHANA_A_CASE_OF_SOME_SELECTED_COMPANIES_IN_THE_TEMA_METROPOLIS_ZEF_C_Department_of_Ecology_and_Natural_Resources_Management/links/541044060cf2f2b29a40426f/ASSESSMENT-OF-MANAGEMENT-ATTITUDES-ON-CORPORATE-SOCIAL-RESPONSIBILITY-IN-GHANA-A-CASE-OF-SOME-SELECTED-COMPANIES-IN-THE-TEMA-METROPOLIS-ZEF-C-Department-of-Ecology-and-Natural-Resources-Management.pdf

20. Collins Adjei Mensah, **Kwabena Barima Antwi**, Suleman Dauda (2014). Female Traditional Leaders (Queen Mothers) and Community Planning and Development in Ghana. *Environmental Management and Sustainable Development*. https://doi.org/10.5296/emsd.v3i1.5142

21. Collins Adjei Mensah, **KB Antwi** (2013). Behavioural dimension of the growth of informal settlements in

Kumasi city, Ghana. *Research on Humanities and Social Sciences*. https://www.academia.edu/download/76759159/7342.pdf

22. Kwabena Koforobour Agyemang, **Kwabena Barima Antwi** (2013). Climate Change Adaptation Mainstreaming at the Sub- National Level Development Planning: A Case of the Sekondi-Takoradi Metropolitan Assembly (STMA), Ghana. *Journals & Books Hosting (International Knowledge Sharing Platform)*.
23. Christopher Mensah, Oheneba A Akyeampong, **Kwabena Barima Antwi** (2013). Residents' Perception of Impacts of Amansuri Conservation and Integrated Development Project (ACID) in Jomoro District, Western Region, Ghana. *Journal of Sustainable Development*. https://doi.org/10.5539/jsd.v6n5p73
24. **Kwabena Barima Antwi** (2009). Renewing the Holy Grail of human motivation in the delivery of public service. *Journal of Management Development*. https://doi.org/10.1108/02621710910959666
25. **K.B. Antwi**, F. Analoui (2008). Challenges in building the capacity of human resource development in decentralized local governments. *Management Research News*. https://doi.org/10.1108/01409170810876071
26. **K. B. Antwi**, F. Analoui, D. Nana-Agyekum (2008). Public sector reform in Sub-Saharan Africa: what can be learnt from the civil service performance improvement programme in Ghana? *Public Administration and Development*. https://doi.org/10.1002/pad.503
27. **K.B. Antwi**, F. Analoui (2008). Reforming public sector. *Journal of Management Development*. https://doi.org/10.1108/02621710810877848

Book chapters 2

1. A. Amu-Mensah Marian, B. Kendie Stephen, K. Amu-Mensah Frederick, **K. Barima Antwi**, Farhad Analoui, O. Mireku Dickson, B. Amu-Mensah Saraphina (2021). Knowledge Relationships in Freshwater Governance. *Book Publisher International (a part of SCIENCEDOMAIN International)*. https://doi.org/10.9734/bpi/nicst/v7/6581d
2. Ama Amponsaa Birch Freeman, Ishmael Mensah, **Kwabena Barima Antwi** (2021). Smiling vs. Frowning Faces. *Advances in hospitality, tourism and the services industry (AHTSI) book series*. https://doi.org/10.4018/978-1-7998-7335-8.ch004

Reports 1

1. Simon Mariwah, **K Barima Antwi** (2014). Cashew cultivation, access to land and food security in Brong-Ahafo Region, Ghana: Preventing the intergenerational transmission of poverty. *University of Reading*. https://centaur.reading.ac.uk/37424/