

1. NAME: DR JOHN MANYIMADIN KUSIMI


2. ADDRESS: Dept of Geography & Resource Development
P.O. Box LG 59
University of Ghana
Legon, Accra.

3. EMAIL: jmkusimi@ug.edu.gh/jmkusimi@gmail.com

URL: <https://www.ug.edu.gh/geography/staff/kusimi-john-manyimadin>

Google Scholar: https://scholar.google.com/citations?user=FV7_15sAAAAJ&hl=en

ResearchGate: https://www.researchgate.net/profile/John_Kusimi2

ORCID:  [0000-0002-6125-056X](https://orcid.org/0000-0002-6125-056X)

4. CITIZENSHIP: Ghana

5. EDUCATION

DATE	DEGREE/QUALIFICATION	INSTITUTION
September 2014	Course in Statistics in Applied Climatology	University of Reading
July 31, 2013	PhD in Geography and Resource Development	University of Ghana
February 23, 2006	MSc in Environmental Engineering & Sustainable Infrastructure	Royal Institute of Technology, Stockholm
December 30, 2005	MPhil in Geography & Resource Development	University of Ghana
May 26, 2001	BA in Geography & Resource Development	University of Ghana

6. COMPUTER SKILLS AND COMPETENCIES

I have expertise in the applications of certain computer softwares for data capturing, processing/analysis in physical geography and environmental sciences.

- Remote Sensing & G.I.S; (ArcGIS and ENVI Softwares)
- Digital Shoreline Analysis System (DSAS) for shoreline change analysis.

7. RESEARCH FOCUS

I am a physical geographer with specialty in geomorphology, environmental science and natural resources management. I possess over 10 years of research in Ghana in areas including coastal degradation and management (coastal erosion, flooding and pollution), water pollution (ground and surface water), sediment yield analysis, fluvial geomorphological analysis (bank erosion, channel morphological analysis) and natural hazards particularly flooding in informal settlements. Others include land degradation and biodiversity loss, climate change (riverine floods, adaptation and mitigation), socio-economic and environmental impacts of mining among others. Over twenty (20) peer-reviewed publications have come out of these projects. Am currently focussing on climate change impacts on coastal erosion and inundation, climate change on urban environment (urban heat and flooding), climate change and riverine floods as well as small scale mining activities in Ghana. Focal areas of current research include:

- Examining the Impact of Sea-Level Rise, Urban Flooding, and Coastal Erosion on Settlement and Livelihoods in Côte d'Ivoire, Ghana, and Nigeria.
- Morphological and morphometric channel change analysis of the lower course of the Oti River in Ghana.
- Socio-economic and environmental impacts of artisanal small-scale mining in Ghana
- Urban hazards in informal settlements in Ghana
- Socio-economic and environmental impacts of riverine and urban floods
- Climate change and river basin water resources management
- Land degradation and biodiversity loss (land use and land cover change analysis)

8. RESEARCH PROJECTS

- 2023 – 2026: Country Lead - Examining the Impact of Sea-Level Rise, Urban Flooding, and Coastal Erosion on Settlement and Livelihoods in Côte d'Ivoire, Ghana, and Nigeria
- **2022:** Co-researcher - Using Photovoice in Artisanal and Small-Scale Goldmining Communities in southern Ghana; **Funded by Research England, University of York.**
- **2019 – 2020:** Co-researcher - Managing small-scale mining: Assessing the potential for a more environmentally-sustainable and socially-inclusive small-scale gold mining industry in Ghana; **Funded by Global challenges Research Fund, University of York**

- June – July, 2018: Co-researcher- Flood hazard management in informal settlements in Ghana; **Funded by Building Global Partnerships for Global Challenges, University of Bristol**
- **2017 – 2019:** Two years project on environmental hazards of the Densu River Delta.
- **2015-2019:** Four years study of the traditional pottery production in Ghana
- **2010-2013:** Four years project on “The dynamics of a bushmeat hunting system under social, economic and environmental change” in collaboration with colleagues in Imperial College, London; Funded by the Biotechnology and Biological Sciences Research Council (BBSRC).
- **2013-2014:** One year project on “Land Disturbance in Atewa Range Forest Reserve - Kyebi.
- 2010-2012: Principal Investigator - Sediment yield and bank erosion assessment of Pra River Basin, **Funded by ORID, University of Ghana.**

9. ACADEMIC APPOINTMENTS & AFFILIATIONS

DATE	POSITION	INSTITUTION
August 1, 2014 – July 31, 2026	Senior Lecturer	Dept. of Geography & Resource Development, University of Ghana.
January 1, 2006 – July 31, 2014	Lecturer	Dept. of Geography & Resource Development, University of Ghana.
January 1, 2005 – December 31, 2005	Assistant Lecturer	Dept. of Geography & Resource Development, University of Ghana.
September 1, 2004 – December 31, 2004	Teaching Assistant	Dept. of Geography & Resource Development, University of Ghana.

10. ADMINISTRATIVE APPOINTMENTS AT UNIVERSITY OF GHANA

DATE	POSITION	INSTITUTION
August 1, 2021 – July 31, 2024	Course Adviser Level 400	Dept. of Geography & Resource Development, University of Ghana.
August 1, 2020 – July 31, 2021	Course Adviser Level 100	Dept. of Geography & Resource Development, University of Ghana.
August 1, 2017 – Present	Hall Council Member	Commonwealth Hall, University of Ghana.
August 1, 2016 –	Block Tutor	Commonwealth Hall, University of

Present		Ghana.
August 1, 2015 – July 31, 2019	Examination Officer	Dept. of Geography & Resource Development, University of Ghana.
August 1, 2013 – July 31, 2015	Course Adviser Level 300	Dept. of Geography & Resource Development, University of Ghana.
August 1, 2008 – July 31, 2010	Departmental Secretary	Dept. of Geography & Resource Development, University of Ghana.

11. MEMBERSHIP OF BOARDS AT UNIVERSITY OF GHANA

DATE	NAME OF BOARD	ROLE
October 28, 2021 - Date	Review of Academic Programmes	Member - - College of Humanities, University of Ghana.
August 1, 2015 – July 31, 2019	Admissions Board	Member - College of Humanities, University of Ghana.
August 1, 2015 – July 31, 2019	Examiners Board	Member - Graduate School, University of Ghana.
August 1, 2015 – July 31, 2019	Examiners Board	Member - College of Humanities, University of Ghana.
August 1, 2015 – July 31, 2019	Examiners Board	Member - College of Education, University of Ghana.
August 1, 2009 – July 31, 2010	Faculty Board	Member – Faculty of Social Studies, University of Ghana.

12. EXTERNAL EXAMINER/ASSESSOR FOR PROMOTION

DATE	NAME OF INSTITUTION	ROLE
August 1, 2022 - Date	Ho Technical University	Assessor
February 1, 2022 – March 31, 2022	University of Energy and Natural Resources, Sunyani	Assessor
July 1, 2021 – Date	Dept of Geography, SD Dombo University of Business & Integrated Development Studies	External Examiner
August 1, 2015 – July 31, 2019	University of Cape Coast	External Examiner

13. GRANT SUPPORT

DATE	TYPE	ROLE	VALUE OF TOTAL RESOURCE/GRANT	VALUE OF UG COMPONENT OF GRANT
July 2023 – June 2026	Salata Institute for Climate and Sustainability, Harvard University	Country Lead	USD1.3million	
February 1, 2022 – September 31, 2022	Research England – University of York	Co-applicant and Team Lead for University of Ghana	£10,000	
February 1, 2019 – July 31, 2020	Global challenges Research Fund - University of York	Co-investigator	£34,597	£8,647
June 1, 2018– August 31, 2018	Building Global Partnerships for Global Challenges, University of Bristol	Co-applicant and investigator	£4414.19	
January 1, 2011- December 31, 2012:	ORID - University of Ghana	Principal Applicant and Investigator	GHC 15,000	
July 1, 2004 – June 15, 2005	Linnaeus Palme Exchange Programme - Sweden & Ghana Chamber of Mines	Principal applicant and Investigator	SEK 11,000 & GHC 750 TOTAL = SEK 11,800	
January 1, 2003 – August 27, 2003	Water Resources Commission of Ghana	Principal applicant and Investigator	GHC 1,600	

14. CONSULTANSHIPS

- Resource Person on Land use Mapping of Nima as part of the Millennium Cities Initiative Project between the Earth Institute – Columbia University (New York) and Accra Metropolitan Assembly (AMA). Jan 2010 – Oct 2012
- Reviewed bids of proposals for the setting up of a GIS Department in Ghana AIDS Commission, Accra. March to May 2008
- Reviewer of the Report on Increasing Governments' Responsiveness to Civil Society in Matters of Land and Forestry Policy to Ghana Land and Forestry Policy Support Facility [GLFPSF], CDD-Accra. August – Oct, 2007

15. EDITORSHIP & EDITORIAL BOARD

- Advisory Board Member- Journal of Earth Surface Processes and Landforms
- Member of Editorial Board: Journal of Geographical Research, Bilingual Publication Company.
- Member of Editorial Board: Ghana Journal of Geography

16. MANUSCRIPT REVIEWS

- Geomorphology Journal (2 - 3 reviews per annum)
- Land Degradation and Development (1 - 2 reviews per annum)
- Ghana Journal of Geography (2 - 4 reviews per annum)
- Journal of Asian and African Studies (1 - 2 reviews per annum)
- Urban Water Journal (1 - 2 reviews per annum)
- Land use Policy (2 – 3 per annum)

17. HONOURS AND AWARDS

- TRECCAFRICA Staff Mobility Scholar to Institute of Resources Assessment (IRA) – Dar es Salaam University, Tanzania 2016; to deliver lectures & seminars to graduate and undergraduate students on climate change, water resources management and thesis/dissertation proposal writing etc
- Conference Grant from Volkswagen Foundation to participate in the Herrenhausen Symposium “Sustainable Development Goals and the Role of Research – A Focus on Coastal Regions”, Hanover, Germany, 2015.
- Bursary from the Student Conference on Conservation of Science, Cambridge to Cambridge University for Conservation of Science Conference and an Internship

at the Imperial College, London, in 2013 on a collaborative research study on bushmeat trading studies in Ghana.

- Canadian Commonwealth Scholarship Fellow to Dept of Geography - Simon Frazer University – Canada, 2011; for intenship during my PhD Studies.
- Linnaeus Palme Scholar to the Royal Institute of Technology – Sweden, 2003 to participate on a workshop on water resources management and from 2003-2004, a scholarship award to pursue an MSc Degree in Environmental Engineering and Sustainable Infrastructure.

18. MEMBERSHIP OF PROFESSIONAL SOCIETIES/ASSOCIATIONS

- National Scientific Member (Representative of Ghana) of the International Association of Geomorphologists (IAG).
- Member and President of Ghana Association of Geomorphologists (GAG)
- Member of After Shock Research Network, University of East Anglia (UEA) – Norwich, UK.
- Member of Ghana Geographical Association (GGA)
- Member of Community Surface Dynamics Modelling System (CSDMS) Terrestrial and Coastal Working Groups
- Member of International Society for Photogrammetry & Remote Sensing Commission (ISPRS) Working Group VIII/2 – Hazards, Disasters & Public Health.
- Member of Canadian Coalition for Global Health Research (CCGHR)

19. GUEST LECTURESHIP AND VISITING SCHOLARSHIP

- TRECCAFRICA Staff Mobility Scholar to Institute of Resources Assessment (IRA) – Dar es Salaam University, Tanzania 2016; to deliver lectures & seminars to graduate and undergraduate students on climate change, water resources management and thesis/dissertation proposal writing etc
- Cambridge Studentship Scholarship- Land use and land cover and GIS analysis of bushmeat trading studies in Ghana Imperial College, London, 21 March – 24 April, 2013.

20. CONFERENCES, SEMINARS AND WORKSHOPS

- Workshop: Adaptation to Climate Change in South Asia and West Africa, 13 – 15 November 2023, Salata Institute for Climate Change & Sustainability at Harvard University.

Title of Presentation: Adaptation to Climate Change in Ghana.

- MIASA mid-term conference on Sustainable Governance in a Time of Global Flux: Issues, Concepts and Future Directions, 19 – 21 September, 2023, University of Ghana, Accra.
Title of Presentation: Changes in artisanal small-scale gold mining methods in the Atiwa West District, Ghana.

- The World Resources Forum (WRF) Conference, 12 – 14 October 2021
Title of Presentation: Ayivor, J. S., **Kusimi, J. M.** & Altink, H. (2021). Changes in artisanal small-scale gold mining through time and associated environmental impacts in the Atiwa West District, Ghana.
Location: <https://wrf2021.wrforum.org/scientific-programme/> (NB: There is an error of the authorship online which the organizers were duly notified to correct but was not done).

- After Shock: Recurrence and Representation Workshop at University of East Anglia, UK – 17 – 19 July 2018. Participant. Building Global Partnerships for Global Challenges Symposium, University of Bristol 09 – 14 April, 2018.
Title of Presentation: Natural Disasters of Ghana
Location of presentation: <http://www.bristol.ac.uk/media-library/sites/research/documents/gcrf-presentations-hazards/kusimi-global-partnerships-symposium-presentation.pdf>

- Keynote Speaker at the **4th Biennial International Conference & Exhibition on Environmental Issues (ICEI4)**, Abuja, Nigeria, 17 – 20 April, 2016, under the auspices of the Environmental Research Group, Yaba College of Technology, Lagos – Nigeria.
Title of Presentation: Global Warming, Global Partnership and Sustainable Resource Management.

- Volkswagen Foundation Herrenhausen Symposium on “**Sustainable Development Goals and the Role of Research – A Focus on Coastal Regions**”, Hanover, Germany, 8 – 9 December, 2015.
Title of Poster Presented: **Kusimi, J.M. (2015).** Urbanization and environmental challenges of the coastal zones of Accra – Floodplains of Odaw River

- Regional Conference on Rapid Environmental Change and Migration in Coastal Regions under the auspices of New Regional Formations, Bremen University & Centre for Migration Studies, University of Ghana, 17 – 18 November, 2015.

Title of Paper Presented: Kusimi, J.M. (2015). Environmental challenges and prospects of coastal communities along the shore of the Densu Delta

- Ghana Geographical Association/ Ghana Geography Teachers Association (GGA/GGTA) Annual Conference, University Of Ghana, Legon, August 4-8, 2015.

Title of Paper Presented: Kusimi, J. M. & Yeboah, E. (2015). Anthropogenic and physical landscape perspectives in perennial flooding in Alajo.

- Student Conference on Conservation of Science, Cambridge, 19 – 21 March 2013.

Title of Poster Presented: Kusimi, J. M. (2013). Threats to Atewa Forest Reserve.

- XXII International Society for Photogrammetry & Remote Sensing Congress, Melbourne, Australia, 25 August - 1 September 2012.

Title of Paper Presented: Kusimi, J. M. & Appati, J.W. (2012). Bushfires in the Krachi District: The Socio-Economic and Environmental Implications. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, XXXIX-B8*, 39 – 44.

- XXI International Society for Photogrammetry and Remote Sensing Congress, Beijing, China, 3-11 July 2008.

Title of Paper Presented: Kusimi, J. M. (2008). Stream Processes and Dynamics in the Morphology of the Densu River Channel in Ghana. *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, VXXXVII(Part B8)*, 1177 – 1182.

- Invited Discussant on the Millenium City Project in Accra - Columbia University – New York, 22 November – 7 December, 2010.
- Workshop by RITC Tobacco Control Leadership Institute (Li-T) in Collaboration with CCGHR, Port of Spain – Trinidad, March 3-7, 2008.
- Guest Lecture on Land and Water Management-Royal Institute of Technology (KTH), Sweden, March 23-April 15, 2003.
- Seminar on International Water Management-Department of Geography and Resource Development, Legon, March 23-April 15, 2002.

21. PUBLICATIONS

1. Otoo, D. A., & **Kusimi, J.M.** (2023). Shoreline change analysis of the coastline of Teshie in Accra, Ghana. *Journal of Science and Technology*, 41(2), 16 – 29.
2. Asiedu, E., **Kusimi, J. M.**, Pinto, E. N., Semabiah, C., & Attua, E. M. (2023). Studying Bankline Migration of the Lower Pra Basin using Remote Sensing and GIS. *Ghana Journal of Geography*, 15(2), 88-109.

3. Justice, C., & **Kusimi, J. M.** (2023). Urban Sprawl and Landscape Transition in Awutu Senya East Municipal Assembly. In *Urban Commons, Future Smart Cities and Sustainability* (pp. 225-247). Cham: Springer International Publishing.
4. Peters, M.K., & **Kusimi, J.M.** (2023). Changes in wetland and other landscape elements of the Keta Municipal area of Ghana. *Journal of Coastal Conservation*, 27(1), 1.
5. Yiran, G. A. B., Atubiga, J. A., **Kusimi, J. M.**, Kwang, C., & Owusu, A. B. (2022). Adaptation to perennial flooding and food insecurity in the Sudan Savannah Agroecological Zone of Ghana. *Environmental Research*, 214, 114037. <https://doi.org/10.1016/j.envres.2022.114037>
6. **Kusimi, J. M.**, & Kusimi, B. A. (2021). Hazards of the Densu River Delta in Accra – Ghana. *Natural Hazards*, 107, 831-852.
7. **Kusimi, J. M.**, Kusimi, B. A., & Amisigo, B. A. (2021). Evaluation of sediment yield predicting models of Ghana. *Journal of Geographical Research*, 04(01), 37-47.
8. Kusimi, B. A., Donkor, A. K., Ayivor, J. S., Kyeremeh, K., & **Kusimi, J. M.** (2020). Lifecycle of pottery processes and production in Mpraeso – Ghana. *de arte*, 55(3), 70-94.
9. Adjei-Mensah, K., & **Kusimi, J. M.** (2020). Dwindling water supply and its socio-economic impact in Sekyere Kumawu District in Ashanti Region of Ghana: public opinion on the role of climate change. *Geojournal*, 85,1355-1372.
10. Asiedu, E., & **Kusimi, J. M.** (2020). Impacts of flooding and riverbank erosion on the environment and socio-economic activities in the Lower Pra River Basin. *Ghana Social Science Journal*, 17(2),19-42.
11. **Kusimi, J. M.**, & Yeboah, E. (2019). Flood hazards at Alajo: Causes, impacts and adaptations. *International Journal of Research and Innovation in Social Science*, 3(8), 268-278.
12. Dinko, D. H., Yaro, J., & **Kusimi, J.** (2019). Political ecology and contours of vulnerability to water insecurity in semiarid North-Eastern. Ghana. *Journal of Asian and African Studies*, 54(2), 282–299.
13. **Kusimi, J. M.** (2018). Bank erosion and other channel processes of a tropical forest river basin in Ghana. *Ghana Social Science Journal*, 15(2), 31-56.
14. Dika, J. L., **Kusimi, J. M.**, & Gyekye, K. A. (2018). The coastal environment of Elmina in Ghana - Appraising the causes and effects of coastal pollution. *Annals of Geographical Studies*, 1(1), 103-113.
15. Dabie, P. K., Attua, E. M., **Kusimi, J. M.** (2018). Urban sprawl, agricultural land use and food security in Shai Osudoku District, Ghana. *Researchjournali's Journal of Geography*, 5(1), 2349-5367.
16. **Kusimi, J. M.** (2017). The contribution of bank and surface sediments to fluvial sediment transport of the Pra River. *West African Journal of Applied Ecology*, 25(1), 69-85.

17. **Kusimi, J. M.**, Yiran, G. A. B., Attua, E. M. (2015). Soil erosion and sediment yield modelling in the Pra River Basin of Ghana using the Revised Universal Soil Loss Equation (RUSLE). *Ghana Journal of Geography*, 7(2), 38-57.
18. **Kusimi, J. M.** (2015). Characterizing land disturbance in Atewa Range Forest Reserve and buffer zone. *Land use Policy*, 49, 471-482.
19. McNamara, J., **Kusimi, J. M.**, Rowcliffe, J. M., Cowlishaw, G., Brenyah, A., & Milner-Gulland, E. J. (2015). Long-term spatio-temporal changes in a West African bushmeat trade system. *Conservation Biology*, 29(5), 1446-145.
20. **Kusimi, J. M.**, Amisigo, B. A., & Banoeng-Yakubo, B. K. (2014). Sediment yield of a forest river basin in Ghana. *Catena*, 123, 225-235.
21. Kusimi, B. A., **Kusimi, J. M.**, & Yiran, G. B. (2013). Socio-economic and environmental impacts of mining within the catchment of mining companies at Tarkwa. *Ghana Social Science Journal*, 10(1 & 2), 25-52.
22. **Kusimi, J. M.**, & Awere-Gyekye, K. (2013). Explanations to the evolution of landscapes in Geomorphology. In G. Owusu., P. W. K. Yankson., S. Agyei-Mensah & E. M. Attua (Eds.), *Selected Readings in Geography: Essays in Commemoration of the 65th Anniversary of the University of Ghana* (pp.230-247). Ghana: Woeli Publishing Services.
23. Awere-Gyekye, K., **Kusimi, J. M.**, & Yiran, G. A. B. (2013). Geomorphological processes and landforms of the coastal environment. In G. Owusu, P. W. K. Yankson, S. Agyei-Mensah, & E. M. Attua (Eds.), *Selected Readings in Geography: Essays in Commemoration of the 65th Anniversary of the University of Ghana* (pp.248-264). Woeli Publishing Services: Ghana.
24. **Kusimi, J. M.**, & Dika, J. L. (2012). Sea erosion at Ada Foah: Assessment of impacts and proposed mitigation measures. *Natural Hazards*, 64(2), 983-997.
25. **Kusimi, J. M.**, & Kusimi, B. A. (2012). The hydrochemistry of water resources in selected mining communities in Tarkwa. *Journal of Geochemical Exploration*, 112, 252-261.
26. **Kusimi, J. M.**, & Appati, J. W. (2012). Bushfires in the Krachi District: The socio-economic and environmental implications. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, XXXIX-B8, 39-44.
27. **Kusimi, J. M.**, & Yiran, G. B. (2011). Application of local knowledge in land degradation assessment in the Bawku East Municipality. *Ghana Journal of Geography*, 3, 88-125.
28. Yiran, G. B., **Kusimi, J. M.**, & Kufogbe, S. K. (2011). A synthesis of remote sensing and local knowledge approaches in land degradation assessment in Bawku East District, Ghana. *International Journal of Applied Earth Observation and Geo-information*, 14, 204 – 213.
29. **Kusimi, J. M.** (2008). Analysis of sedimentation rates in the Densu River channel: The result of erosion and anthropogenic activities in the Densu Basin. *West African Journal of Applied Ecology*, 14, 1-14.

30. **Kusimi, J. M.** (2008). Assessing land use and land cover change in the Wassa West District of Ghana using remote sensing. *Geojournal*, 71, 249-259.
 31. **Kusimi, J. M.** (2008). Stream processes and dynamics in the morphology of the Densu River channel in Ghana. *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*. VXXXVII(Part B8), 1177-1182.
 32. **Kusimi, J. M.**, Fobil, J., Atuguba, R., Erawoc, I., & Oduro, F. (2006). The conflicts in Northern Ghana: A mirror of answers to Sub-Regional stability and security questions. *Asteriskos Journal of International and Peace Studies*, 1/2, 209-228.
27. DISSERTATIONS/THESIS
1. **Kusimi, J. M.**, (2014). Sediment Yield and Bank Erosion Assessment of Pra River Basin. PhD Thesis, Dept of Geography and Resource Development, University of Ghana, Legon.
 2. **Kusimi, J. M.** (2007). *Groundwater Hydro-geochemistry and Land cover Change in the Wassa West District of Ghana*. TRITA LWR Masters Thesis 07-05, Royal Institute of Technology (KTH), Stockholm, Sweden; ISSN 1651-064X.
 3. **Kusimi, J. M.**, (2005). *A Geomorphological Study of the Densu Basin*. MPhil Thesis, Dept of Geography and Resource Development, University of Ghana, Legon.
 4. **Kusimi, J. M.**, (2001). *Gender Differentials in Labour Force Participation in Ghana: A Case Study of Saboba*. Long Essay, Department of Geography and Resource Development, University of Ghana, Legon.
-