Anthony Arko-Adjei

Department of Geomatic Engineering
Kwame Nkrumah University of Science and Technology

ORCID 0000-0002-4719-9083 · Google Scholar scholar.google.com/citations?user=pC_Os0oAAAAJ&hl=en · Profile knust.peerford.com/staff/7d3cac73-e41b-47f7-a8ab-aa177662ab30

RESEARCH

Interests	Cadastral Surveying · Engineering Surveying · Land Administration · Geo-information Management
Areas	Global and Planetary Change · Soil Science · Building and Construction · Geography, Planning and Development · Control and Systems Engineering · Ecology

RESEARCH SUMMARY

27	269	8	8	1.16	22%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 27 publications listed below, 1990–2024. Field-weighted impact is the mean over the 9 works scored for it; 1.00 is the world average for works of the same field, type and year. 2 of the 9 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Senior Lecturer 2002–present
Department of Geomatic Engineering, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

EDUCATION AND QUALIFICATIONS

Ph.D 2007–2011
Delft University of Technology, Delft, Netherlands

MSc 1999–2001
Faculty of Geo-information Science and Earth Observation, University of Twente, Enschede, Netherlands

BSc 1992–1997
Department of Geomatic Engineering, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

PUBLICATIONS

Journal articles 22

1. Dorcas Peggy Somuah, Dennis Forkuo, Patrick Opoku, Collins Ayine Nsor, **Anthony Arko-Adjei** (2024). Factors enhancing and restricting the success of SRA compliance on the FLEGT/VPA initiative in Ghana. Insights from Juaso forest district in Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2024.e32368
2. J.N. Marfo, J.A. Quaye-Ballard, S.O. Kwakye, K. Obeng, **A. Arko-Adjei**, N.L. Quaye-Ballard, R.N.A. Quao (2024). Groundwater quality and potential analysis using geospatial techniques: The case of Ashanti Region in Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2024.e27545
3. Seth Kofi Brimpong Dwamena, Jonathan Arthur Quaye-Ballard, **Anthony Arko-Adjei**, Naa Lamkai Quaye-Ballard, Janet Afia Boadu, Harriet Atsufui Ahorsu, Isaac Yidana (2024). Modeling the Geospatial Distribution and Spatial Variability of Naturally Occurring Radioactive Materials on Farmlands. *Journal of*

Science and Technology (Ghana). https://doi.org/10.4314/just.v42i1.1

4. Richard Baidoo, **Anthony Arko-Adjei**, Michael Poku-Boansi, Jonathan Arthur Quaye-Ballard, Dorcas Peggy Somuah (2023). Land use and land cover changes implications on biodiversity in the Owabi catchment of Atwima Nwabiagya North District, Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2023.e15238
5. **A Arko-Adjei** (2023). Mining and Its Implications on Food Security in Amansie West and South Districts, Ghana. *African Journal of Land Policy and Geospatial Sciences*. https://ageconsearch.umn.edu/record/344857/
6. **A Arko-Adjei**, EO Akrofi (2023). SPATIAL ANALYSIS OF LAND DISPUTES IN THE ASHANTI REGION. *African Journal of Land Policy and Geospatial Sciences*. https://ageconsearch.umn.edu/record/334679/
7. **A Arko-Adjei**, EO Akrofi (2023). Spatial Analysis of Land Disputes in the Ashanti Region [Ghana]. *African Journal on Land Policy & Geospatial Sciences*. https://openurl.ebsco.com/contentitem/gcd:164746295?sid=ebsco:plink:crawler-gcd&id=ebsco:gcd:164746295&crl=c&jrnl=26572664
8. Kwabena Asiama, **Anthony Arko-Adjei** (2022). An experiment on the role of participatory GIS in the adjudication process of customary lands. *Survey Review*. https://doi.org/10.1080/00396265.2022.2040869
9. Muhammad Shakir, Zahir Ali, **Anthony Arko-Adjei** (2022). Developing Cost Effective Approach to Integrate Cadastral Map and Land Parcel Data Using RS & GIS Technologies. *Innovation in Science and Technology*. https://doi.org/10.56397/ist.2022.09.02
10. Terah Antwi, J. A. Quaye-Ballard, **A. Arko-Adjei**, William Osei-wusu, Naa Lamkai Quaye-Ballard (2020). Comparing Spatial Accessibility and Travel Time Prediction to Commercial Centres by Private and Public Transport: A Case Study of Oforikrom District. *Journal of Advanced Transportation*. https://doi.org/10.1155/2020/8319089
11. Christian Aboagye Abaidoo, EMO Jnr, **Anthony Arko-Adjei**, Benjamin Eric Kwesi Prah (2019). Monitoring the Extent of Reclamation of Small Scale Mining Areas Using Artificial Neural Networks. *Heliyon*. https://doi.org/10.1016/j.heliyon.2019.e01445
12. EA Gyamera, **A Arko-Adjei** (2018). Land acquisition in Ghana; Dealing with the challenges and the way forward. *Journal of Agricultural Economics, Extension and Rural Development*. https://scholar.google.com/scholar?cluster=3094371593135710824&hl=en&oi=scholarr
13. E. A. Gyamera, **A. Arko-Adjei**, E. E. Duncan, J. S. Y. Kuma (2017). MODELLING PARTICIPATORY GEOGRAPHIC INFORMATION SYSTEM FOR CUSTOMARY LAND CONFLICT RESOLUTION. *ISPRS annals of the photogrammetry, remote sensing and spatial information sciences*. https://doi.org/10.5194/isprs-annals-iv-4-w4-249-2017
14. **A Arko-Adjei** (2012). Negotiating Peace: South Africa's National Peace Accord. *Peace and Conflict Review*.
15. **A Arko-Adjei** (2011). Customary tenure and good governance: implications for land system modelling. *GIM International: the worldwide magazine for geomatics*. https://research.tudelft.nl/en/publications/customary-tenure-and-good-governance-implications-for-land-system/
16. **A Arko-Adjei** (2010). Customary tenure institutions and good governance. *FIG Peer Review Journal*. https://research.utwente.nl/en/publications/customary-tenure-institutions-and-good-governance/
17. **A Arko-Adjei** (2010). Customary tenure institutions and good governance: FIG article of the month, September 2010. *XXIV FIG International congress 2010: facing the challenges: building the capacity. 11-16 April 2010, Sydney, Australia: technical programme and proceedings. 21 p*. https://scholar.google.com/scholar?cluster=8536245688857883958&hl=en&oi=scholarr
18. **A Arko-Adjei** (2010). Developing cost effective approach to integrate cadastral map and land parcel data using RS & GIS technologies. *methodology*.
19. **A Arko-Adjei** (2006). A conceptual approach for enhancing customary land management: Case from Ghana. *5th FIG Regional Conference, Accra, Ghana*. https://scholar.google.com/scholar?cluster=3999338290833975804&hl=en&oi=scholarr
20. **A Arko-Adjei** (2005). Titling Customary Lands: Emerging Challenges Facing the Land. *TS02D-Customary and Group Land Rights, accessed on*.

21. **A Arko-Adjei** (2005). Titling customary lands-emerging challenges facing the land administration society in the New Millennium: case from Ghana. *Conference on Spatial Information for Civil Society-Capacity Building for the International Geoinformation Society, ITC, Enschede, the Netherlands*. https://scholar.google.com/scholar?cluster=17699124845355908855&hl=en&oi=scholarr

22. **A Arko-Adjei** (2001). Progressive titling for customary areas of Ghana: a re-engineering effort in Land Administration (MSc report). *Enschede (ITC)*. https://scholar.google.com/scholar?cluster=5613379823644638043&hl=en&oi=scholarr

Conference papers 1

1. **A Arko-Adjei** (2009). Customary land tenure dynamics at peri-urban Ghana: Implications for land administration system modeling. *FIG Working Week Surveyors Key Role in Accelerated Development (Eliat, Israel)*. https://research.tudelft.nl/en/publications/customary-land-tenure-dynamics-at-peri-urban-ghana-implications-f/

Reports 1

1. **A Arko-Adjei** (2019). Customary land tenure security: Tools and approaches in sub-Saharan Africa (a synthesis report). *UN-HABITAT*. https://scholar.google.com/scholar?cluster=17591816335647835320&hl=en&oi=scholarr

Theses 1

1. **Anthony Arko-Adjei** (2013). Assessment of spatial ecosystem services value for identification of suitable areas for REDD+ based on local perception: Ejisu-Juaben district, Ghana. *University of Twente*.

Other publications 2

1. EA Gyamera, **A Arko-Adjei** (2016). Land conflicts in Ghana, causes, effects, and resolution. *4th UMaT Biennial International Mining and Mineral Conference. Ghana. August ….*

2. **A Arko-Adjei** (1990). Implications of Land Use/Land Cover Change on Food Security in Talensi Rural District of Ghana, 1990–2020. *Land Cover Change on Food Security in Talensi Rural District of Ghana*.