Louis Addae-Wireko

Lecturer · Department of Wildlife and Range Management
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RESEARCH

Interests	Conservation biology · wildlife and range management · GIS and Remote sensing · Spatial ecology
Areas	Ecology · Global and Planetary Change · Ecological Modeling · Media Technology · Developmental Biology · Economics and Econometrics

RESEARCH SUMMARY

8	96	5	2	1.96	25%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 8 publications listed below, 2014–2026. Field-weighted impact is the mean over the 8 works scored for it; 1.00 is the world average for works of the same field, type and year. 2 of the 8 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Lecturer 2009–present
Wildlife and Range Management Dept, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

EDUCATION AND QUALIFICATIONS

Texas A&M University 2014–present
Ecosystem Science and Management, College Station, United States

Master of Science in Geo-Information Science and Earth Observation, Specialization: GIS for Natural Resources Management 2006–2008
Natural Resources Dept., International Institute for Geo-Information Science and Earth Observation, Enschede, Netherlands

PUBLICATIONS

Journal articles 8

1. Collins Ayine Nsor, Racheal Opoku-Afriyie, Micheal Asigbaase, Dorcas Peggy Somuah, Frederick Gyasi Damptey, **Louis Addae-Wireko**, Frank Osei Danquah (2026). Assessing urban riparian degradation, using an indicator-based species approach in a West African suburban area. *Urban Ecosystems*. https://doi.org/10.1007/s11252-026-02004-5
2. Collins Ayine Nsor, Michael Perry-Amissah, John Nkrumah Mensah, Samuel Boadi, Micheal Asigbase, **Louis Addae-Wireko**, Rockson Acolatse (2025). Birds' co-occurrence is mediated by diet, habitat type, and anthropogenic disturbances in Ghana's Central Region. *Avian Research*. https://doi.org/10.1016/j.avrs.2025.100251
3. Michael Asiedu Kumi, Jinyan Zhan, Linyu Xu, **Louis Addae-Wireko**, Wei Liu, Zheng Yang, Fredrick Kwame Yeboah, Samuel Yeboah, Susana Addae-Wireko, Dakurah Collins Kyefondeme (2025). Harnessing nature: Evaluating cost-effective and globally sustainable solutions for Africa's environmental resilience. *Environmental Impact Assessment Review*. https://doi.org/10.1016/j.eiar.2025.108064

4. Samuel Yeboah, Jerome Agbesi Dogbatse, Michael Asiedu Kumi, Roberto Xavier Supe Tulcan, **Louis Addae-Wireko** (2024). Heavy metal status in cocoa (Theobroma cacao L.) soils and beans: the case of Abuakwa North Municipality of Eastern Region, Ghana. *Environmental Monitoring and Assessment*. https://doi.org/10.1007/s10661-024-12334-6

5. Michael Asiedu Kumi, Zheng Yang, Jinyan Zhan, Wei Liu, Huihui Wang, Yufei He, **Louis Addae-Wireko**, Susana Addae-Wireko, Samuel Yeboah, Emmanuel Kombiok, Han Ze (2023). Conservation or deforestation: Households attitudinal analysis of forest resources for sustainable development of the Tain (II) Forest Reserve, Ghana. *Environmental Science & Policy*. https://doi.org/10.1016/j.envsci.2023.103664

6. Bright Obeng Kankam, Prosper Antwi-Bosiako, **Louis Addae-Wireko**, Christopher Dankwah (2023). Growing population of the critically endangered white-thighed colobus monkey (Colobus vellerosus) from forest fragments in Ghana. *Journal of Tropical Ecology*. https://doi.org/10.1017/s0266467423000214

7. Meshal M. Abdullah, **Louis Addae-Wireko**, Georgina A. Tena-Gonzalez (2017). Assessing native desert vegetation recovery in a war-affected area using multispectral and hyperspectral imagery: a case study of the Sabah Al-Ahmad Nature Reserve, Kuwait. *Restoration Ecology*. https://doi.org/10.1111/rec.12527

8. I.K. Nooni, A.A. Duker, I. Van Duren, **L. Addae-Wireko**, E.M. Osei Jnr (2014). Support vector machine to map oil palm in a heterogeneous environment. *International Journal of Remote Sensing*. https://doi.org/10.1080/01431161.2014.930201