

Richmond Afoakwah

Senior Lecturer · Department of Forensic Sciences
University of Cape Coast

Google Scholar scholar.google.com/citations?user=ZQNQ7icAAAAJ&hl=en · Profile scholar.ucc.edu.gh/staff/3b75869d-c6c0-41cf-bcff-9f4fc475097d

RESEARCH

Interests Forensic Science · Public Health

Areas Public Health, Environmental and Occupational Health · Parasitology · Genetics · Hematology · Economics and Econometrics · General Health Professions

RESEARCH SUMMARY

31	428	14	15	1.06	11%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 31 publications listed below, 2011–2026. Field-weighted impact is the mean over the 19 works scored for it; 1.00 is the world average for works of the same field, type and year. 2 of the 19 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 28

1. Samuel Kofi Tulashie, Emmanuel Boafo Baidoo, **Richmond Afoakwah**, Dorcas Naa Odarley Ablateye, Francis Tambo, Samira Esinam Elsie Aggor Woananu, Enoch Mbawin Alale, Alvin David Amewuho, Foster Appiah Kubi, Osborne Kwadwo Owusu, Perry Nana Yaw Ahadjie (2026). Comparative spectroscopic characterization of ignitable liquid residues and fire debris using FTIR and XRD. *Spectroscopy Letters*. <https://doi.org/10.1080/00387010.2026.2723261>
2. Maxwell Abedi, **Richmond Afoakwah**, Reagan Appiah, Ebenezer Asante, Fredrick Arthur, Sweta Khariyal (2023). Optimization of the Superglue Fuming and Powder Technique for the Enhancement of Latent Fingerprints from Objects Submerged in Water: An Experimental Study in Ghana. *Journal of Forensic Science and Medicine*. https://doi.org/10.4103/jfsm.jfsm_15_22
3. Abdou Matinou Ogbon, **Richmond Afoakwah**, Kwadwo Kesse Mireku, Nounagnon Darius Tossavi, Ken MacKenzie (2023). Parasites of *Sardinella maderensis* (Lowe, 1838) (Actinopterygii: Clupeidae) and Their Potential as Biological Tags for Stock Identification along the Coast of West Africa. *Biology*. <https://doi.org/10.3390/biology12030389>
4. Maxwell Abedi, Dan O. M. Bonsu, Isaac K. Badu, **Richmond Afoakwah**, Pooja Ahuja (2021). Spectroscopic (analytical) approach to gunshot residue analysis for shooting distance estimation: a systematic review. *Egyptian Journal of Forensic Sciences*. <https://doi.org/10.1186/s41935-021-00253-3>
5. **Richmond Afoakwah**, E Effah (2018). A guide on illegal fishing activities in Ghana. *USAID/Ghana Sustainable Fisheries Management Project*. Narragansett, RI: Coastal Resources Center, Graduate School of Oceanography, University of Rhode Island. Prepared by the University of Cape Coast, Ghana. GH2014_SCI048_UCC. http://www.crc.uri.edu/download/GH2014_SCI048_UCC_FIN508.pdf
6. Andreas A Kudom, R Afoakwah, Christian K Adokoh (2018). Relating high insecticide residues in larval breeding habitats in urban residential areas to the selection of pyrethroid resistance in *Anopheles gambiae* sl (Diptera: Culicidae) *Journal of Medical Entomology*. <https://academic.oup.com/jme/article-abstract/55/2/490/4756456>
7. Andreas A Kudom, Leticia N Anane, **Richmond Afoakwah**, Christian K Adokoh (2017). Relating High Insecticide Residues in Larval Breeding Habitats in Urban Residential Areas to the Selection of Pyrethroid Resistance in *Anopheles gambiae* s.l. (Diptera: Culicidae) in Akim Oda, Ghana. *Journal of Medical*

Entomology. <https://doi.org/10.1093/jme/tjx223>

8. Emmanuel Kwasi Abu, Johnson N. Boampong, Samuel Kyei, Richmond Afoakwah, Irene Ayi (2016). Associations between Polymorphisms within Interferon Gamma and Tumor Necrosis Factor Genes and Toxoplasma Retinochoroiditis in Ghanaian Patients. *Ocular Immunology and Inflammation*. <https://doi.org/10.3109/09273948.2016.1159315>
9. James Prah, Elvis Ameyaw, Richmond Afoakwah, Andreas Kudom (2016). Factors affecting birth weight in Cape Coast, Ghana. *International Journal of Reproduction Contraception Obstetrics and Gynecology*. <https://doi.org/10.18203/2320-1770.ijrcog20161319>
10. Verner N Orish, Onyekachi S Onyeabor, Johnson N Boampong, Richmond Afoakwah, Ekene Nwaefuna, Samuel Acquah, Adekunle O Sanyaolu, Nnaemeka C Iriemenam (2016). Prevalence of intermittent preventive treatment with sulphadoxine-pyrimethamine (IPTp-SP) use during pregnancy and other associated factors in Sekondi-Takoradi, Ghana. *African Health Sciences*. <https://doi.org/10.4314/ahs.v15i4.6>
11. James Prah, Elvis Ofori Ameyaw, Richmond Afoakwah, Patrick Fiawoyife, Ernest Oppong-Danquah, Johnson Nyarko Boampong (2016). Quality Assessment of Artemether-Lumefantrine Samples and Artemether Injections Sold in the Cape Coast Metropolis. *Journal of Tropical Medicine*. <https://doi.org/10.1155/2016/8602619>
12. Danny F. Yeboah, Richmond Afoakwah, Ekene K. Nwaefuna, Orish Verner, Johnson N. Boampong (2016). Quality of Sulfadoxine-Pyrimethamine Given as Antimalarial Prophylaxis in Pregnant Women in Selected Health Facilities in Central Region of Ghana. *Journal of Parasitology Research*. <https://doi.org/10.1155/2016/9231946>
13. Richmond Afoakwah, Edmond Aubyn, James Prah, Ekene Kwabena Nwaefuna, Johnson N. Boampong (2016). Relative Susceptibilities of ABO Blood Groups to Plasmodium falciparum Malaria in Ghana. *Advances in Hematology*. <https://doi.org/10.1155/2016/5368793>
14. Kwame K. Asare, Johnson N. Boampong, Nancy O. Duah, Richmond Afoakwah, Rakesh Sehgal, Neils B. Quashie (2016). Synergism between Pfcr1 and Pfmdr1 genes could account for the slow recovery of chloroquine sensitive Plasmodium falciparum strains in Ghana after chloroquine withdrawal. *Journal of Infection and Public Health*. <https://doi.org/10.1016/j.jiph.2016.02.004>
15. Ekene K. Nwaefuna, Richmond Afoakwah, Verner N. Orish, Alexander Egyir-Yawson, Johnson N. Boampong (2015). Effectiveness of Intermittent Preventive Treatment in Pregnancy with Sulphadoxine-Pyrimethamine against Submicroscopic falciparum Malaria in Central Region, Ghana. *Journal of Parasitology Research*. <https://doi.org/10.1155/2015/959427>
16. George Gharthey-Kwansah, Johnson N. Boampong, Benjamin Aboagye, Richmond Afoakwah, Elvis O. Ameyaw, Neils B. Quashie (2015). The Prevalence of α -Thalassemia and Its Relation to Plasmodium falciparum Infection in Patients Presenting to Clinics in Two Distinct Ecological Zones in Ghana. *Hemoglobin*. <https://doi.org/10.3109/03630269.2015.1095207>
17. EK Abu, JN Boampong, R Afoakwah, Elvis Ofori Ameyaw, M Ntodie (2015). Visual outcome in ocular toxoplasmosis: A case series of 30 patients from Ghana. *J Clin Exp Ophthalmol*. https://www.researchgate.net/profile/Emmanuel-Abu-2/publication/283047189_Visual_Outcome_in_Ocular_Toxoplasmosis_A_Case_Series_of_30_Patients_from_Ghana/links/5627788b08ae2ebf92275625/Visual-Outcome-in-Ocular-Toxoplasmosis-A-Case-Series-of-30-Patients-from-Ghana.pdf
18. Richmond Afoakwah, Johnson N. Boampong, Alexander Egyir-Yawson, Ekene K. Nwaefuna, Orish N. Verner, Kwame K. Asare (2014). High prevalence of PfCRT K76T mutation in Plasmodium falciparum isolates in Ghana. *Acta Tropica*. <https://doi.org/10.1016/j.actatropica.2014.03.030>
19. E. K. ABU, J. N. BOAMPONG, I. AYI, G. GHARTEY-KWANSAH, R. AFOAKWAH, P. NSIAH, E. BLAY (2014). Infection risk factors associated with seropositivity for Toxoplasma gondii in a population-based study in the Central Region, Ghana. *Epidemiology and Infection*. <https://doi.org/10.1017/S0950268814002957>
20. Samuel Acquah, Johnson N Boampong, R Afoakwah (2014). Influence of education on HIV infection among pregnant women attending their antenatal care in Sekondi-Takoradi metropolis, Ghana. *Journal of*

21. Kwame Kumi Asare, Johnson Nyarko Boampong, Elvis Ofori Ameyaw, Ama Kyeraa Thomford, Richmond Afoakwah, Godwin Kwakye-Nuako, Kwesi Prah Thomford, Neils Ben Quashie (2014). Microscopic identification of possible Clonorchis/Opisthorchis infection in two Ghanaian women with undiagnosed abdominal discomfort: two case reports. *Journal of Medical Case Reports*. <https://doi.org/10.1186/1752-1947-8-369>
22. Kwame K Asare, Johnson N Boampong, Richmond Afoakwah, Elvis O Ameyaw, Rakesh Sehgal, Neils B Quashie (2014). Use of proscripted chloroquine is associated with an increased risk of pfcrT76 mutation in some parts of Ghana. *Malaria Journal*. <https://doi.org/10.1186/1475-2875-13-246>
23. R. Afoakwah, J.N. Boampong, E. Aubyn (2012). Association of ABO blood groups and complicated Plasmodium falciparum malaria in Accra, Ghana. *International Journal of Infectious Diseases*. <https://doi.org/10.1016/j.ijid.2012.05.340>
24. Richmond Afoakwah, Denis W Aheto, Johnson N Boampong (2011). Available online at www.pelagiaresearchlibrary.com. *European Journal of Experimental Biology*. <https://ir.ucc.edu.gh/server/api/core/bitstreams/37f8837f-45fc-420e-bd64-78b62c47e344/content>
25. Richmond Afoakwah, JN Boampong (2011). Efficacy of rapid diagnostic test (RDT) in diagnosing Plasmodium falciparum malaria in some selected health facilities in the Cape Coast Metropolis of Ghana. *Advances in Applied Science Research*.
26. R Afoakwah, PK Feglo, Johnson N Boampong (2011). Pelagia Research Library. *European Journal of Experimental Biology*. <https://ir.ucc.edu.gh/server/api/core/bitstreams/9e0fac04-c21b-4769-b23e-96eed8746371/content>
27. DO Acheampong, R Afoakwah, JN Boampong (2011). Predonation testing of potential blood donors for hepatitis B virus infection: Approach to blood safety in Cape Coast, Ghana. *Arch Appl Sci Res*. https://www.researchgate.net/profile/Richmond-Afoakwah-2/publication/215980624_Predonation_testing_of_potential_blood_donors_for_hepatitis_B_virus_infection_approach_to_blood_safety_in_Cape_Coast_Ghana/links/0deec514a0be0f2f1f000000/Predonation-testing-of-potential-blood-donors-for-hepatitis-B-virus-infection-approach-to-blood-safety-in-Cape-Coast-Ghana.pdf
28. R Afoakwah, Desmond O Acheampong, JN Boampong (2011). Typhoid-Malaria Co-infection in Ghana. *European Journal of Experimental Biology*.

Book chapters 1

1. CO Kwakye-Nuako, Richmond Afoakwah, B Aboagye (2022). Do "the Best and the Brightest" of the Ghanaian Police Need Further Integrity Education? *Exploring Contemporary Police Challenges*. <https://doi.org/10.4324/9781003136965-9/best-brightest-ghanaian-police-need-integrity-education-charlotte-kwakye-nuako-jon-maskaly-sanja-kutnjak-ivković-richmond-afoakwah-benjamin-aboagye-patrick-armah-hammond>

Reports 1

1. JN Boampong, Elvis Ofori Ameyaw, R Afoakwah, ND Darko (2015). Evaluation of antimalarial, anti-inflammatory and antipyretic activities of leaves extracts of Haematostaphis barteri. *University of Cape Coast*. <https://ir.ucc.edu.gh/items/adf09dba-a482-4326-b50e-0812491f0b71>

Theses 1

1. Richmond Afoakwah (2013). High Prevalence of Plasmodium Falciparum Drug Resistance Markers in Ghana, An Artemisinin-Based Combination Therapy (Act) Setting. *University of Cape Coast*. <https://ir.ucc.edu.gh/items/808bb144-a102-4e83-9731-df6ea1150e58>