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RESEARCH

Interests Cerebral Malaria · Neuropsychiatry

Areas Plant Science · Molecular Biology · Public Health, Environmental and Occupational Health · Endocrinology, Diabetes and Metabolism · Food Science · Pharmacology

RESEARCH SUMMARY

35	321	12	13	0.89	4%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 35 publications listed below, 2013–2026. Field-weighted impact is the mean over the 24 works scored for it; 1.00 is the world average for works of the same field, type and year. 1 of the 24 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 32

1. Du-Bois Asante, George Yaw Hadzi, Samuel Naaman, Michael Woode, Timothy Makwo, **Benjamin Aboagye**, Isaac Tabiri Henneh (2026). Comprehensive sub-chronic toxicological profiling of illegal artisanal small-scale mining-polluted river bodies in four regions of Ghana. *Toxicology Reports*. <https://doi.org/10.1016/j.toxrep.2026.102244>
2. George Owusu, Meshack Antwi-Adjei, Yeboaba Kofi Opoku-Yeboah, Barnabas Tuatil, Abigail Adu-Boateng, Frederick Emmanuel Baidoo, Francis Kwame Abrokwhah, **Benjamin Aboagye** (2026). Hydroethanolic root extract of *Ficus capensis* exhibits antiulcerogenic activities in acetic acid-induced colitis rat model. *Journal of Complementary and Integrative Medicine*. <https://doi.org/10.1515/jcim-2025-0389>
3. Ernest A ASIAMAH, Angelina A AMPAH, Francis TAMBO, Moses ADJEI, Jude FORSON, Belinda S AMOAKOA, Andrews F WIAFE, Jake B ADOM-YEBOAH, Denzel OPOKU-KWABI, **Benjamin ABOAGYE** (2026). Unsweetened Theobroma cacaopowder mitigates oxidative stress and preserves hepatic function in ethanol-fed Sprague Dawley rats. *Health Sciences Investigations Journal*. <https://doi.org/10.46829/hsjournal.2026.4.8.2.1456-1467>
4. Benjamin Amoani, **B Aboagye**, E Obese, Elvis Ofori Ameyaw, EA Adakudugu (2025). In vitro antioxidant and antiarthritic effects of *Persicaria lanigera* R. Br. Sojak (Polygonaceae) leaf extract in complete Freund's Adjuvant-induced rheumatoid arthritis model *Pharmacological Research-Natural Products*. <https://www.sciencedirect.com/science/article/pii/S2950199725000114>
5. George Owusu, Meshack Antwi-Adjei, **Benjamin Aboagye**, Roberta Antwi-Adjei, William Adu-Asamoah, Francis Kwame Abrokwhah (2025). Safety Profile and Antiulcerogenic Activities of *Cordia Vignei* Hutch & Dalziel (Boraginaceae) Leaf Extract Against Chronic DSS-Induced Colitis in C57BL/6 Mice. *African Journal of Pharmacy and Alternative Medicine*. <https://doi.org/10.58460/ajpam.v3i01.129>
6. George Owusu, Meshack Antwi-Adjei, Baaba Musa, Caren Achiaa Fosu, Gilbert Nyamed, Amofa Kyere Kwabena, **Benjamin Aboagye**, Newman Osafo (2025). The hepatoprotective effects of hydroethanolic stem bark extract of *Cleistanthus patens* in paracetamol-induced hepatotoxicity in rats. *Journal of Herbs Spices & Medicinal Plants*. <https://doi.org/10.1080/10496475.2025.2528078>
7. Meshack Antwi-Adjei, Ernest Obese, Emmanuel Awintiig Adakudugu, **Benjamin Aboagye**, Daniel

Anokwah, Akua Afriyie Karikari, Roberta Antwi-Adjei, Elvis Ofori Ameyaw (2024). *Persicaria lanigera* (Polygonaceae) leaf extract exhibits antiulcerogenic and antiproliferative activities against acetic acid-induced ulcerative colitis and cotton pellet-induced granuloma tissue in rats. *Asian Pacific Journal of Tropical Biomedicine*. https://doi.org/10.4103/apjtb.apjtb_286_24

8. Ratif Abdulai, Samuel Addo Akwetey, Olayinka Oladunjoye Ogunbode, Benjamin Aboagye (2023). Consequences of Type-2 diabetes mellitus and Malaria co-morbidity on sperm parameters in men; a case-control study in a district hospital in the Ashanti Region of Ghana. *PLoS ONE*. <https://doi.org/10.1371/journal.pone.0286041>
9. Paulina Ampomah, Erica Buadli, Benjamin Aboagye (2023). Identification of high-risk groups of falciparum malaria in western region of Ghana: The predictive value of ABO Blood group typology. *Integrated Health Research Journal*. <https://doi.org/10.47963/ihrj.v1i1.1177>
10. Meshack Antwi-Adjei, Ernest Obese, Emmanuel Awiintig Adakudugu, Isaac Tabiri Henneh, Robert Peter Biney, Benjamin Aboagye, Benjamin Amoani, Daniel Anokwah, Elvis Ofori Ameyaw (2023). Modulating Effects of the Hydroethanolic Leaf Extract of *Persicaria lanigera* R. Br. Soják (Polygonaceae) against Acute Inflammation. *The Scientific World JOURNAL*. <https://doi.org/10.1155/2023/5567410>
11. Lydia Nkuah Nortey, Alberta Serwah Anning, Gideon Kwesi Nakotey, Abdala Mumuni Ussif, Yeboah Kwaku Opoku, Silas Acheampong Osei, Benjamin Aboagye, George Gharthey-Kwansah (2022). Genetics of cerebral malaria: pathogenesis, biomarkers and emerging therapeutic interventions. *Cell & Bioscience*. <https://doi.org/10.1186/s13578-022-00830-6>
12. Michael Buenor Adinortey, Charles Ansah, Jerry Asiedu-Larbi, Samuel Kojo Kwofie, Ansumana Sandy Bockarie, Precious Barnes, Benjamin Aboagye, Gideon Kofi Helegbe, Daniel Boison, Alexander Kwadwo Nyarko (2022). In vivo inhibition of gastric acid secretions and H⁺/K⁺-ATPase activity, and enhancement of mucin activity by *Dissotis rotundifolia* plant extract. *Scientific African*. <https://doi.org/10.1016/j.sciaf.2022.e01317>
13. Alberta Serwah Anning, Emmanuel Baah, Suzzana Dickson Buabeng, Bernice Gloria Baiden, Benjamin Aboagye, Yeboah Kwaku Opoku, Leslie Larry Afutu, George Gharthey-Kwansah (2022). Prevalence and antimicrobial resistance patterns of microbes isolated from individuals attending private diagnostic centre in Cape Coast Metropolis of Ghana. *Scientific Reports*. <https://doi.org/10.1038/s41598-022-18595-w>
14. Isaac Kyei-Barffour, Roselind Kyei Baah Kwarkoh, Desmond Omane Acheampong, Augustine Suurinobah Brah, Samuel Addo Akwetey, Benjamin Aboagye (2021). Alkaloidal extract from *Carica papaya* seeds ameliorates CCl₄-induced hepatocellular carcinoma in rats. *Heliyon*. <https://doi.org/10.1016/j.heliyon.2021.e07849>
15. Isaac Kyei-Barffour, Roselind Kyei Baah Kwarkoh, Ophelia Duke Arthur, Samuel Addo Akwetey, Desmond Omane Acheampong, Benjamin Aboagye, Augustine Suurinobah Brah, Isaac Kingsley Amponsah, Christian Kweku Adokoh (2021). Alkaloidal extract from *Zanthoxylum zanthoxyloides* stimulates insulin secretion in normoglycemic and nicotinamide/streptozotocin-induced diabetic rats. *Heliyon*. <https://doi.org/10.1016/j.heliyon.2021.e07452>
16. Cecilia Krampah, Franklin Nyanzu, Abraham Quaye, Patrick Adu, Emmanuel Akomanin Asiamah, Benjamin Aboagye, David Larbi Simpong (2021). Crude extracts from *Allium cepa* skin and *Sorghum bicolor* seed can provide as non-toxic and eco-friendly cytoplasmic stains. *Practical Laboratory Medicine*. <https://doi.org/10.1016/j.plabm.2021.e00239>
17. Robert Peter Biney, Francis Tanam Djankpa, Silas Acheampong Osei, Daniel Lawer Egbenya, Benjamin Aboagye, Akua Afriyie Karikari, Abdala Ussif, Gideon Akuamoah Wiafe, David Nuerthey (2021). Effects of in utero exposure to monosodium glutamate on locomotion, anxiety, depression, memory and KCC2 expression in offspring. *International Journal of Developmental Neuroscience*. <https://doi.org/10.1002/jdn.10158>
18. B. Aboagye, T. Weber, H. L. Merdian, D. Bartsch, K. P. Lesch, J. Waider (2021). Serotonin deficiency induced after brain maturation rescues consequences of early life adversity. *Scientific Reports*. <https://doi.org/10.1038/s41598-021-83592-4>
19. George Gharthey-Kwansah, Frank Adu-Nti, Benjamin Aboagye, Amandus Ankobil, Edward Eyipe Essuman, Yeboah Kwaku Opoku, Samuel Abokyi, Emmanuel Kwasi Abu, Johnson Nyarko Boampong (2020).

Autophagy in the control and pathogenesis of parasitic infections. *Cell & Bioscience*. <https://doi.org/10.1186/s13578-020-00464-6>

20. George Ghartey-Kwansah, Benjamin Aboagye, Frank Adu-Nti, Yeboah Kwaku Opoku, Emmanuel Kwasi Abu (2020). Clearing or subverting the enemy: Role of autophagy in protozoan infections. *Life Sciences*. <https://doi.org/10.1016/j.lfs.2020.117453>
21. Michael Buenor Adinortey, Charles Ansah, Benjamin Aboagye, Justice Kwabena Sarfo, Orleans Martey, Alexander Kwadwo Nyarko (2020). Flavonoid-Rich Extract of *Dissotis rotundifolia* Whole Plant Protects against Ethanol-Induced Gastric Mucosal Damage. *Biochemistry Research International*. <https://doi.org/10.1155/2020/7656127>
22. Benjamin Aboagye (2020). Serotonin (5-HT) neuron-specific inactivation of Cadherin-13 impacts 5-HT system formation and cognitive function. *Neuropharmacology*. <https://www.sciencedirect.com/science/article/pii/S0028390820300848>
23. Benjamin Aboagye (2019). Serotonin deficiency increases context-dependent fear learning through modulation of hippocampal activity. *Frontiers in neuroscience*. <https://doi.org/10.3389/fnins.2019.00245>
24. George Ghartey-Kwansah, Benjamin Aboagye, Yeboah Kwaku Opoku (2018). Hormetic Effect of Combined Stresses on *Drosophila melanogaster* Cardiac Performance and Mobility: A Comparative Study. *International Journal of Molecular Biotechnology*. <https://biotech.journalspub.info/?journal=IJMB&page=article&op=view&path%5B%5D=356>
25. Benjamin Aboagye (2018). Inducible tryptophan hydroxylase 2 knockout mice as model for anxiety and fear like behaviour. *European Neuropsychopharmacology*. <https://www.academia.edu/download/96932305/j.euroneuro.2017.12.06620230107-1-1rs35ov.pdf>
26. George Ghartey-Kwansah, Benjamin Aboagye, Yeboah Kwaku Opoku (2018). The Pervasiveness of α -Thalassemia in Patients Presenting to Health Facilities in Central and Western Regions of Ghana. *International Journal of Molecular Biotechnology*. <https://biotech.journalspub.info/index.php/IJMB/article/view/365>
27. B Aboagye (2017). Genetically driven brain serotonin deficiency facilitates panic-like escape behavior in mice. *Translational psychiatry*. <https://www.nature.com/articles/tp2017209>
28. Charles Ansah, Michael Buenor Adinortey, Jerry Asiedu-Larbi, Benjamin Aboagye, Du-Bois Asante, Alexander Kwadwo Nyarko (2016). In vivo assessment of the toxic potential of *Dissotis rotundifolia* whole plant extract in Sprague–Dawley rats. *Asian Pacific Journal of Tropical Biomedicine*. <https://doi.org/10.1016/j.apjtb.2016.04.010>
29. George Ghartey-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>
30. B Aboagye (2014). Comparative characteristics of black and Grey chest and selected facial hairs in Negroid males. *Internet J Biol Anthropol*. <https://www.academia.edu/download/77084921/14710.pdf>
31. Benjamin Aboagye, Korantema Mawuena Tsegah, Abdala Mumuni Ussif (2013). Distribution of Hairs on the Phalanges of Hands among Ghanaians. *Journal of Anthropology*. <https://doi.org/10.1155/2013/386819>
32. J. N. Boampong, E. O. Ameyaw, B. Aboagye, K. Asare, S. Kyei, J. H. Donfack, E. Woode (2013). The Curative and Prophylactic Effects of Xylopic Acid on *Plasmodium berghei* Infection in Mice. *Journal of Parasitology Research*. <https://doi.org/10.1155/2013/356107>

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-maskály-sanja-kutnjak-ivković-richmond-afokwah-benjamin-aboagye-patrick-armah-hammond>

Conference papers 1

1. Benjamin Aboagye (2017). Tph2 mutant mice as model for the role of serotonin in anxiety disorders. *JOURNAL OF NEURAL TRANSMISSION*. <https://scholar.google.com/scholar?cluster=569656580592578125&hl=en&oi=scholar>

Theses 1

1. Benjamin Aboagye (2019). Behavioral and physiologic consequences of inducible inactivation of the (Tryptophan)\(hydroxylase\) 2 gene in interaction with early-life adversity. *Universität Würzburg*. <https://opus.bibliothek.uni-wuerzburg.de/frontdoor/index/index/docId/17358>