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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 Abrokwah, **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/hsijournal.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 Abrokwah (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 Nyamedi, Amofa Kyere Kwabena, **Benjamin Aboagye**, Newman Osafo (2025). The hepatoprotective effects of hydroethanolic stem bark extract of cleistopholis 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 Buadii, **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 Ghartey-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 Ghartey-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 Nuertey (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 Ghartey-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 ofα-Thalassemia and Its Relation toPlasmodium falciparumInfection in Patients Presenting to Clinics in Two Distinct Ecological Zones in Ghana. *Hemoglobin*. https://doi.org/10.3109/03630269.2015.1095207
30. **B Aboagye**, J Ahenkorah, F Addai (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 onPlasmodium bergheiInfection 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-afoakwah-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=5696565805925781 25&hl=en&oi=scholarr

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