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RESEARCH

Areas: Food Science · Molecular Biology · Plant Science · Small Animals · Parasitology · Complementary and alternative medicine

RESEARCH SUMMARY

23	398	11	12	1.73	22%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 23 publications listed below, 2010–2026. Field-weighted impact is the mean over the 23 works scored for it; 1.00 is the world average for works of the same field, type and year. 5 of the 23 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 21

1. Ahmed Wahab Obeng, Theresa Appiah Agana, Vivian Etsiapa Boamah, Yaw Duah Boakye, Erdi Can Aytar, **Francis Adu**, Christian Agyare (2026). Cryptolepis sanguinolenta and cryptolepine as dual-action therapeutics: enhancing antimicrobial activity and promoting wound repair. *Oriental Pharmacy and Experimental Medicine*. https://doi.org/10.1007/s13596-025-00880-4
2. C. B. Akinmuleya, **F. D. Adu** (2025). Effects of Anthropogenic Activities on Selected Insect Species Orders (Hymenoptera, Orthoptera and Hemiptera) in Afuremo, Oye-Egbo and Faalex Areas of Oye-Ekiti, Ekiti State, Nigeria. *Journal of applied science and environmental management*. https://doi.org/10.4314/jasem.v29i6.35
3. Nembot Fogang Brice Armel, Yaw Duah Boakye, Theresa Appiah Agana, Vivian Etsiapa Boamah, Clement Osei Akoto, Michael Owusu, **Francis Adu**, Christian Agyare (2024). Aspilia africana (Pers.) C.D. Adams and Manihot esculenta Crantz Exhibit Antibacterial Activity against Resistant Salmonella typhi Strains. *Scientifica*. https://doi.org/10.1155/2024/6637904
4. Michael Asah Asiamah, Theresa Appiah Agana, Yaw Duah Boakye, Christian Agyare, **Francis Adu** (2024). Preliminary Screening for the Anthelmintic Activity of Millettia zechiana Harms and Its Modifying Effect on Albendazole. *Journal of Parasitology Research*. https://doi.org/10.1155/2024/5513489
5. Bright Osei-Mensah, Yaw Duah Boakye, William Kofi Anyan, Theresa Appiah Agana, Eugene Agyei Aboagye, Ivy Bentil, Elvis Suatey Lomotey, **Francis Adu**, Christian Agyare (2023). In Vitro Cercaricidal Activity, Acute Toxicity, and GC/MS Analysis of Some Selected Ghanaian Medicinal Plants. *Journal of Parasitology Research*. https://doi.org/10.1155/2023/4589424
6. Philip Asumang, Yaw Duah Boakye Duah Boakye, William Gariba Akanwariwiak Gariba Akanwariwiak, **Francis Adu Adu**, Jibira Yakubu Yakubu, Philomena Entsie Entsie, Emmanuel Oppong Oppong, Job Donkor Donkor, Amihere Cobbinah Emmanuel Amihere, Gadafi Iddrisu Balali Iddrisu, Vera Afua Dela Gobe Gobe (2022). Anthelmintic Properties of Methanol Extract of Bridelia micrantha (Hochst) Baill Leaves. *Applied Microbiology Theory & Technology*. https://doi.org/10.37256/amtt.3220221515
7. Ahmed Wahab Obeng, Yaw Duah Boakye, Theresa Appiah Agana, Vivian Etsiapa Boamah, James Oppong-Kyekyeku, Abena Amponsaa Brobbey, **Francis Adu**, Stephen Yao Gbedema, Christian Agyare (2022). Antitrypanosomal and Anthelminthic Properties of Ethanol Extracts of Carica papaya Linn. and Ceiba pentandra (L) Gaertn. *Journal of Chemistry*. https://doi.org/10.1155/2022/5251930

8. Akosua Dufie Ankomah, Yaw Duah Boakye, Theresah Appiah Agana, Vivian Etsiapa Boamah, Paul Poku Sampene Ossei, **Francis Adu**, Christian Agyare (2022). Evaluation of Dermal Toxicity and Wound Healing Activity of Cnestis ferruginea Vahl ex DC. *Advances in Pharmacological and Pharmaceutical Sciences*. https://doi.org/10.1155/2022/5268613

9. Ahmed Wahab Obeng, Yaw Duah Boakye, Theresa Appiah Agana, Georgina Isabella Djameh, Daniel Boamah, **Francis Adu** (2021). Anti-trypanosomal and anthelminthic properties of ethanol and aqueous extracts of Tetrapleura tetraptera Taub. *Veterinary Parasitology*. https://doi.org/10.1016/j.vetpar.2021.109449

10. Akosua Dufie Ankomah, Yaw Duah Boakye, Theresa Appiah Agana, **Francis Adu**, Christian Agyare (2021). Antimicrobial properties of Cnestis ferruginea Vahl ex DC. *Heliyon*. https://doi.org/10.1016/j.heliyon.2021.e08266

11. Philip Asumang, Yaw Duah Boakye, Theresa Appiah Agana, Jibira Yakubu, Philomena Entsie, William Gariba Akanwariwiak, **Francis Adu**, Christian Agyare (2021). Antimicrobial, antioxidant and wound healing activities of methanol leaf extract of Bridelia micrantha (Hochst.) Baill. *Scientific African*. https://doi.org/10.1016/j.sciaf.2021.e00980

12. Emelia Oppong Bekoe, Christian Agyare, Yaw Duah Boakye, Benedict Mbeah Baiden, Alex Asase, Joseph Sarkodie, Henry Nettey, **Francis Adu**, Priscilla Boatema Otu, Benjamin Agyarkwa, Patrick Amoateng, Isaac Asiedu-Gyekye, Alexander Nyarko (2019). Ethnomedicinal survey and mutagenic studies of plants used in Accra metropolis, Ghana. *Journal of Ethnopharmacology*. https://doi.org/10.1016/j.jep.2019.112309

13. Esther Eyram Agoba, **Francis Adu**, Christian Agyare, Vivian Etsiapa Boamah (2017). Antibiotic Use And Practices In Selected Fish Farms In The Ashanti Region Of Ghana. *Journal of Infectious Diseases and Treatment*. https://doi.org/10.21767/2472-1093.100036

14. Vivian Etsiapa Boamah, Christian Agyare, Hayford Odoi, **Francis Adu**, Stephen Gbedema, Anders Dalsgaard (2017). Prevalence and antibiotic resistance of coagulase-negative Staphylococci isolated from poultry farms in three regions of Ghana. *Infection and Drug Resistance*. https://doi.org/10.2147/idr.s136349

15. John Osei Sekyere, **Francis Adu** (2015). Prevalence of Multidrug Resistance amongSalmonella entericaSerovar Typhimurium Isolated from Pig Faeces in Ashanti Region, Ghana. *International Journal of Antibiotics*. https://doi.org/10.1155/2015/898790

16. John Antwi Apenteng, Christian Agyare, **Francis Adu**, Patrick George Ayande, Yaw Duah Boakye (2014). Evaluation of wound healing potential of different leaf extracts of Pupalia lappacea. *African Journal of Pharmacy and Pharmacology*. https://doi.org/10.5897/ajpp2014.4103

17. Anthonia Ogheneruno Ugboduma, **Francis Adu**, Christian Agyare, Kofi Annan, Samuel Osei-Asante (2013). Phytochemical Screening and Antimicrobial Activity of Entandrophragma angolense. *Journal of Pharmacy and Nutrition Sciences*. https://doi.org/10.6000/1927-5951.2013.03.04.5

18. Duredoh Freeman George, Stephen Yao Gbedema, Christian Agyare, **Francis Adu**, Vivian Etsiapa Boamah, Adelaide Ama Tawiah, Sixtus Bieranye Bayaa Martin Saana (2012). Antibiotic Resistance Patterns of Escherichia coli Isolates from Hospitals in Kumasi, Ghana. *ISRN Microbiology*. https://doi.org/10.5402/2012/658470

19. Adelaide A Tawiah, Stephen Y Gbedema, **Francis Adu**, Vivian E Boamah, Kofi Annan (2012). Antibiotic producing microorganisms from River Wiwi, Lake Bosomtwe and the Gulf of Guinea at Doakor Sea Beach, Ghana. *BMC Microbiology*. https://doi.org/10.1186/1471-2180-12-234

20. Christian Agyare, George Asumeng Koffuor, Vivian Etsiapa Boamah, **Francis Adu**, Kwesi Boadu Mensah, Louis Adu-Amoah (2012). Antimicrobial and Anti-Inflammatory Activities ofPterygota macrocarpaandCola gigantea(Sterculiaceae). *Evidence-based Complementary and Alternative Medicine*. https://doi.org/10.1155/2012/902394

21. K Ofori-Kwakye, A.A Kwapong, **F Adu** (2010). Antimicrobial activity of extracts and topical products of the stem bark of Spathodea campanulata for wound healing. *African Journal of Traditional Complementary and Alternative Medicines*. https://doi.org/10.4314/ajtcam.v6i2.57089

Book chapters 2

1. Yaw Duah Boakye, Newman Osafo, Cynthia Amaning Danquah, **Francis Adu**, Christian Agyare (2019). Antimicrobial Agents: Antibacterial Agents, Anti-biofilm Agents, Antibacterial Natural Compounds, and Antibacterial Chemicals. *IntechOpen eBooks*. https://doi.org/10.5772/intechopen.82560
2. Cynthia Amaning Danquah, Samuel Osei-Djarbeng, Theresah Appiah, Yaw Duah Boakye, **Francis Adu** (2019). Combating Biofilm and Quorum Sensing: A New Strategy to Fight Infections. *IntechOpen eBooks*. https://doi.org/10.5772/intechopen.89227