Francis Kwame Abrokwah

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RESEARCH

Interests	Molecular biology · virology · food biochemistry · food safety · Phylogeny
Areas	Plant Science · Horticulture · Molecular Biology · Biochemistry · Cancer Research · Pharmacology

RESEARCH SUMMARY

20	196	7	7	2.63	33%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 20 publications listed below, 2009–2026. Field-weighted impact is the mean over the 12 works scored for it; 1.00 is the world average for works of the same field, type and year. 4 of the 12 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Senior Lecturer
Department of Biochemistry, University of Cape Coast, Cape Coast, Ghana

PUBLICATIONS

Journal articles 15

1. Albert Achirofi, Daniel Sakyi Agyirifo, Meshack Antwi-Adjei, Elvis Awuni, **Francis Kwame Abrokwah** (2026). Combined antibacterial effects of turmeric and cinnamon ethanolic extracts with ampicillin against resistant-microbial strains: in vitro and molecular docking approaches. *Discover Applied Sciences*. https://doi.org/10.1007/s42452-026-08319-4
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. Helena Quayson, Joseph Humphrey Kofi Bonney, Daniel Sam, Gloria Francisca Nuer-Allornuvor, Roland Osei Saahene, Nicholas Ekow Thomford, Benjamin Amoani, **Francis Abrokwah**, Karen Pomeyie, Musah Kalaamullah Salisu, Prince Amoah Barnie (2025). Expression patterns of plasma microRNAs in patients with cervical cancer from two teaching hospitals in Ghana. *Journal of Cancer Research and Clinical Oncology*. https://doi.org/10.1007/s00432-025-06281-z
4. Karen Pomeyie, Joseph Humphrey Kofi Bonney, Benjamin Amoani, Roland Osei Saahene, Nicholas Ekow Thomford, Wishwell Pomeyie, **Francis Abrokwah**, Helena Quayson, Salisu Kalaamullah Musah, Selina Appiah, Deborah Pratt, Magdalene Sarah Ofori, Alexander Owusu-Ansah, Prince Amoah Barnie (2025). HIV-1 diagnostic, prognostic and ART-resistance detection potential of selected MiRNAs. *BMC Infectious Diseases*. https://doi.org/10.1186/s12879-025-11135-7
5. Karen Pomeyie, **Francis Abrokwah**, Daniel Boison, Benjamin Amoani, Foster Kyei, Cynthia A. Adinortey, Prince Amoah Barnie (2025). Macrophage immunometabolism dysregulation and inflammatory disorders. *Biomedicine & Pharmacotherapy*. https://doi.org/10.1016/j.biopha.2025.118142
6. 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

7. **Francis Kwame Abrokwah**, Kwabena Dabie, Felix Adulley (2021). Genome variability, species diversity, phylogenetic relationships, origin, and geographical distribution of badnaviruses involved in the cacao swollen shoot disease: the case of West Africa. *Tropical Plant Pathology*. https://doi.org/10.1007/s40858-021-00475-9
8. **Francis Kwame Abrokwah** (2019). Effect of traditional fermentation process on the nutrient and anti-nutrient content of maize and African locust beans. *Journal of Food Science and Nutrition Research*. https://fortunescholar.org/articles/effect-of-traditional-fermentation-process-on-the-nutrient-and-antinutrient-content-of-maize-and-african-locust-beans.html
9. Sika Abrokwah, Bernard Ekumah, **Francis Kwame Abrokwah** (2019). Microbial assessment of plastic bottles reused for packaging food products in Ghana. *Food Control*. https://doi.org/10.1016/j.foodcont.2019.106956
10. **Francis Kwame Abrokwah** (2019). Phytochemical Constituents and in-vitro Antioxidant Activity of Aqueous Extracts of Mushrooms (Pleurotus ostreatus & Agaricus sp). *Research Journal of Food and Nutrition*. https://scholar.google.com/scholar?cluster=7166258732307656000&hl=en&oi=scholarr
11. Williams Kweku Darkwah, Yanhui Ao, Micheal Buenor Adinortey, Alexander Weremfo, **Francis Kwame Abrokwah**, Emmanuel Afriyie (2018). Total Phenolic, Flavonoid and Alkaloid Contents, Oxidative DNA Damage Protective and Antioxidant Properties of Methanol and Aqueous Extracts of Dissotis rotundifolia Whole Plant. *Free Radicals and Antioxidants*. https://doi.org/10.5530/fra.2018.2.13
12. E. Muller, S. Ravel, C. Agret, **F. Abrokwah**, H. Dzahini-Obiatey, I. Galyuon, K. Kouakou, E.C. Jeyaseelan, J. Allainguillaume, A. Wetten (2017). Next generation sequencing elucidates cacao badnavirus diversity and reveals the existence of more than ten viral species. *Virus Research*. https://doi.org/10.1016/j.virusres.2017.11.019
13. **Francis Abrokwah**, Henry Dzahini-Obiatey, Isaac Galyuon, Francis Osae-Awuku, Emmanuelle Muller (2016). Geographical Distribution of Cacao swollen shoot virus Molecular Variability in Ghana. *Plant Disease*. https://doi.org/10.1094/pdis-01-16-0081-re
14. **FK Abrokwah**, A Ocloo (2013). Studies on factors which predispose fermented cocoa (Theobroma cacao) beans to mycotoxin contamination. *Journal of Experimental Biology*. https://www.academia.edu/download/68267405/STUDIES_ON_FACTORS_WHICH_PREDISPOSE_FERM20210723-420-14u15oa.pdf
15. **F K Abrokwah**, K A Asamoah, P K A Esubonteng (2009). Effects of the intake of natural cocoa powder on some biochemical and haematological indices in the rat. *PubMed*.

Conference papers 1

1. **Francis Abrokwah** (2019). Next Generation Sequencing elucidates cacao badnavirus diversity and reveals the existence of nine viral species associated with cacao swollen shoot disease.[P. 46]. *17. Rencontres de Virologie Végétale (RVV 2019)*. https://hal.science/hal-05173719/

Reports 4

1. **Francis Abrokwah** (2017). A Next Generation Sequencing approach to elucidate CSSV species profiles. *ICCO*. https://www.academia.edu/download/104855302/ID586665_Complet.pdf
2. **Francis Kwame Abrokwah** (2016). Study on the origin of Cacao swollen shoot virus (CSSV) and its dispersal on cacao trees in West Africa. *University of Cape Coast*. https://www.sidalc.net/search/Record/dig-cirad-fr-592006/Description
3. **Francis Abrokwah** (2016). Understanding the origin and spread of the complex of viral species responsible for cocoa swollen shoot disease. *Penn State University*. https://www.sidalc.net/search/Record/dig-cirad-fr-583157/Description
4. **Francis Abrokwah** (2015). Study on the origin of cacao swollen shoot virus and its dispersal on cacao trees in West Africa. *INRA*. https://www.sidalc.net/search/Record/dig-cirad-fr-581596/Description