Du-Bois Asante

Lecturer · Department of Forensic Sciences
University of Cape Coast

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PROFILE

Currently a Lecturer and a Biomedical Science researcher at University of Cape Coast, Ghana.

RESEARCH

Interests	Oncology · Liquid Biopsy · Medicinal plants · Toxicology
Areas	Plant Science · Molecular Biology · Pharmacology · Endocrinology, Diabetes and Metabolism · Cancer Research · Oncology

RESEARCH SUMMARY

43	633	12	12	1.04	13%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 43 publications listed below, 2015–2026. Field-weighted impact is the mean over the 30 works scored for it; 1.00 is the world average for works of the same field, type and year. 4 of the 30 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Casual Academic 2021–present
School of Medical and Health Sciences, Edith Cowan University, Perth, Australia

Access Only 2018–present
School of Medical and Health Sciences, Edith Cowan University, Perth, Australia

Lecturer 2014–present
Biomedical Science, University of Cape Coast, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

PhD 2018–2022
School of Health and Medical Scinces, Edith Cowan University, Joondalup, Australia

MPhil Pathology 2011–2013
Pathology, University of Ghana, Legon, Ghana

PUBLICATIONS

Journal articles 41

1. Roland Osei Saahene, Precious Barnes, F. A. Yeboah, **Du-Bois Asante**, Elvis Agbo, Samuel Kofi Arhin, Sylvester Ackah Famieh (2026). Clinicopathological Features and Anatomical Patterns of Head and Neck Tumors From Cape Coast Teaching Hospital and Komfo Anokye Teaching Hospital in Ghana: A Cross-Sectional Study. *Health Science Reports*. https://doi.org/10.1002/hsr2.72395
2. **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

3. Michael Woode, Mark Akuamoah Appah, Emmanuel Kpalakuso Alhassan, Timothy Makwo, **Du-Bois Asante**, Daniel Sakyi Agyirifo (2026). Gene expression profiling of ovarian cancer reveals candidate diagnostic and prognostic biomarkers: An integrated bioinformatics approach. *Cancer Biomarkers*. https://doi.org/10.1177/18758592261468586
4. Francis Ackah Armah, Denzel Opoku-Kwabi, Isaac Tabiri Henneh, **Du-Bois Asante** (2026). Hepatoprotective Effect of Methyl Angolensate Against Paracetamol-Induced Hepatotoxicity in Sprague-Dawley Rats. *Pharmacological Research-Natural Products*. https://www.sciencedirect.com/science/article/pii/S2950199726003939
5. Roland Osei Saahene, Precious Barnes, **Du-Bois Asante**, Sylvester Famieh, Elvis Agbo (2026). Molecular Mechanisms of FAT Atypical Cadherin 1 (FAT1), the Hippo Pathway, and the Yes-Associated Protein (YAP) Signaling Pathways in Some Cancers. *Asian Pacific Journal of Cancer Prevention*. https://doi.org/10.31557/apjcp.2026.27.3.793
6. John Alake, Wisdom Ahlidja, Isaac Tabiri Henneh, Augustine Kwabil, Kwabena Darko Adu, Samuel Ansong Asiamah, **Du-Bois Asante**, Francis Ackah Armah (2025). Bioprospecting the antidiabetic potential of aqueous seed extract of Allanblackia floribunda Oliv. (Clusiaceae). *Food Chemistry Advances*. https://doi.org/10.1016/j.focha.2025.101071
7. **Du-Bois Asante**, Domenico Tierno, Gabriele Grassi, Bruna Scaggiante (2025). Circulating Tumour DNA for Ovarian Cancer Diagnosis and Treatment Monitoring: What Perspectives for Clinical Use? *International Journal of Molecular Sciences*. https://doi.org/10.3390/ijms26051889
8. **Du-Bois Asante**, Christian Kweku Adokoh, Elvis Ofori Ameyaw, Desmond Omane Acheampong, Ebenezer Afrifa-Yamoah, Precious Barnes, Gideon Agyeah, Ruben Phillips, Julie Sartori (2025). Evaluation of the wound healing and anti-microbial activity of hydroethanolic extracts of young and old leaves of Vernonia amygdalina Delile. *Clinical Traditional Medicine and Pharmacology*. https://doi.org/10.1016/j.ctmp.2025.200221
9. **Du-Bois Asante**, Domenico Tierno, Michael Woode, Bruna Scaggiante (2024). Angiogenesis and Ovarian Cancer: What Potential Do Different Subtypes of Circulating Endothelial Cells Have for Clinical Application? *International Journal of Molecular Sciences*. https://doi.org/10.3390/ijms25116283
10. I. K. Badu, **D. Asante**, E. D. Agyemang, K. Kwaku Duah, C. K. Adokoh, E. Girela-Lopez (2024). Diatoms in maggots; a potential tool for drowning diagnosis – A preliminary study. *Medicine Science and the Law*. https://doi.org/10.1177/00258024241241374
11. Roland Osei Saahene, Precious Barnes, F. A. Yeboah, Elvis Agbo, **Du-Bois Asante**, Samuel Kofi Arhin (2024). Expression of RAS and RAB interactor 1 (RIN1) in head and neck tumors at selected hospital in Ghana. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0301295
12. Duduyemi, Babatunde Moses, **Asante, Du-Bois**, Titiloye, Nicholas Akinwale, Ohene-Nketia, Benedicta, Adams, Abdul (2024). Molecular Analysis of HBV in Histologically Confirmed Hepatocellular Carcinoma in a Tertiary Hospital in Ghana. *PubMed*. https://doi.org/10.60787/nmj-63-2-85
13. **Du-Bois Asante** (2023). Genetic analysis of heterogeneous subsets of circulating tumour cells from high grade serous ovarian carcinoma patients. *Scientific Reports*. https://www.nature.com/articles/s41598-023-29416-z
14. **Du-Bois Asante** (2023). Powering single-cell genomics to unravel circulating tumour cell subpopulations in non-small cell lung cancer patients. *Journal of Cancer Research and Clinical Oncology*. https://doi.org/10.1007/s00432-022-04202-y
15. **Du-Bois Asante**, Gideon Akuamoah Wiafe (2023). Therapeutic Benefit of Vernonia amygdalina in the Treatment of Diabetes and Its Associated Complications in Preclinical Studies. *Journal of Diabetes Research*. https://doi.org/10.1155/2023/3159352
16. **Du-Bois Asante**, Gideon Akuamoah Wiafe, Korantema Mawuena Tsegah, Nelson Kwabla Domey (2023). Therapeutic Benefits of Vernonia amygdalina in the Treatment of Inflammation and Its Associated Diseases. *Clinical Complementary Medicine and Pharmacology*. https://doi.org/10.1016/j.ccmp.2023.100122

17. **Du-Bois Asante**, Patrick Kafui Akakpo (2023). and Nasopharyngeal Carcinoma. *Tonsils and Adenoids*. https://books.google.com/books?hl=en&lr=&id=92EHEQAAQBAJ&oi=fnd&pg=PA71&dq=info:nzox4NkJ6HMJ:scholar.google.com&ots=7qOCTlfC_Y&sig=o-FBdwtc0YxGwSSS_ou5kCeJx2c

18. **Du-Bois Asante** (2022). Evaluation of PD-L1 expression on circulating tumour cells in small-cell lung cancer. *Translational Lung Cancer Research*. https://pmc.ncbi.nlm.nih.gov/articles/PMC8988079/

19. **Du-Bois Asante**, Korantema M. Tsegah, Ebenezer Afrifa-Yamoah, Samuel Kyei, Dunyah J. Dzidzor, Reindolf Anokye (2022). Facial dermatosis papulosa nigra, a risk for the development of pterygium and myopia: a descriptive cross-sectional study in Ghana. *Journal of Public Health in Africa*. https://doi.org/10.4081/jphia.2022.1757

20. Elvis Ofori Ameyaw, Ernest Obese, **Du-Bois Asante**, Robert P. Biney, Akua A. Karikari, Emmanuel A. Adakudugu, Bright G. Dzotefe, Maddison Adanusa (2021). Effect of xylopic acid on alloxan-induced diabetic neuropathy in rats. *International Journal of Basic & Clinical Pharmacology*. https://doi.org/10.18203/2319-2003.ijbcp20211011

21. **Du-Bois Asante** (2021). Multi-marker immunofluorescent staining and PD-L1 detection on circulating tumour cells from ovarian cancer patients. *Cancers*. https://www.mdpi.com/2072-6694/13/24/6225

22. **Du-Bois Asante** (2020). Liquid biopsy in ovarian cancer using circulating tumor DNA and cells: Ready for prime time? *Cancer letters*. https://www.sciencedirect.com/science/article/pii/S0304383519305117

23. **Du-Bois Asante**, Isaac Tabiri Henneh, Desmond Omane Acheampong, Foster Kyei, Christian Kweku Adokoh, Eric Gyamerah Ofori, Nelson Kwabla Domey, Emmanuel Adakudugu, Lokeswari Prathyusha Tangella, Elvis Ofori Ameyaw (2019). Anti-inflammatory, anti-nociceptive and antipyretic activity of young and old leaves of Vernonia amygdalina. *Biomedicine & Pharmacotherapy*. https://doi.org/10.1016/j.biopha.2018.12.147

24. Christian K. Adokoh, **Desmond O Asante** (2019). Chemical profile and. *Toxicology reports*. https://cir.nii.ac.jp/crid/1872835442639094016

25. Christian K. Adokoh, **Du-Bois Asante**, Desmond O. Acheampong, Yohei Kotsuchibashi, Francis A. Armah, Ignatius H. Sirikyi, Keisuke Kimura, Edward Gmakame, Sey Abdul-Rauf (2019). Chemical profile and in vivo toxicity evaluation of unripe Citrus aurantifolia essential oil. *Toxicology Reports*. https://doi.org/10.1016/j.toxrep.2019.06.020

26. A. T. Asare, T. A. Mensah, S. M.A. Tagoe, **D. K.A. Asante** (2019). Identification of New Sources of Rust Resistance in Cowpea (Vigna Unguiculata L. Walp) Germplasm Using Simple Sequence Repeat Markers. *Legume Research - An International Journal*. https://doi.org/10.18805/lr-488

27. Precious Barnes, **Du-Bois Asante** (2018). Effect of Reheated Oil on Serum Lipid and Histological Changes of the Liver of Sprague-Dawley Rats and Possible Treatment with Vernonia Amygdalina. *International Journal of Advances in Science Engineering and Technology,*. https://ir.ucc.edu.gh/items/8408546b-cc2e-453a-a545-8496cabfa18e

28. David Larbi Simpong, Richard Harry Asmah, Cecilia Krampah, Patrick Kafui Akakpo, Patrick Adu, **Du-Bois Asante**, Simon Naporo, Andrew Anthony Adjei, Richard Kwasi Gyasi (2018). HER-2 Protein Overexpression in Patients with Gastric and Oesophageal Adenocarcinoma at a Tertiary Care Facility in Ghana. *The Scientific World JOURNAL*. https://doi.org/10.1155/2018/1564150

29. **D Asante**, N Titiloye (2018). Molecular analysis of HBV in histologically confirmed hepatocellular carcinoma in a tertiary hospital in Ghana. *Cancer Research*.

30. C.A. Adinortey, D.H.A.K. Amewowor, E.P. Otwe, I.K.A. Galyuon, **D.K.A. Asante** (2017). Antibiotic Susceptibility Profile and Occurrence of Escherichia coli Isolated from Clinical and Environmental Samples in Cape Coast, Ghana. *Research Journal of Microbiology*. https://doi.org/10.3923/jm.2017.170.176

31. **Du-Bois Asante**, Richard Harry Asmah, Andrew Anthony Adjei, Foster Kyei, David Larbi Simpong, Charles Addoquaye Brown, Richard Kwasi Gyasi (2017). Detection of Human Papillomavirus Genotypes and Epstein-Barr Virus in Nasopharyngeal Carcinomas at the Korle-Bu Teaching Hospital, Ghana. *The Scientific World JOURNAL*. https://doi.org/10.1155/2017/2721367

32. Joshua Djabanor, Elvis Quansah, **Du-Bois Asante** (2017). Effects of Malaria in Pregnancy (MiP) on Pregnancy Development and its Outcome: a Critical Review. *Journal of Applied Biology & Biotechnology*.

https://doi.org/10.7324/jabb.2017.50202

33. Desmond O. Acheampong, Christian K. Adokoh, **Du-Bois Asante**, Ernest A. Asiamah, Prince A. Barnie, Dan O.M. Bonsu, Foster Kyei (2017). Immunotherapy for acute myeloid leukemia (AML): a potent alternative therapy. *Biomedicine & Pharmacotherapy*. https://doi.org/10.1016/j.biopha.2017.10.100
34. Foster Kyei, **Du-Bois Asante**, Esther Sarpong, Juliet Ama Mawusi Edekor, Daniels Konja, Edem Gavor (2017). Over-expression of Id2 and Id3 Proteins Regulates Growth and Survival of Human Colon Carcinoma (HCT116) Cells. *Journal of Applied Biology & Biotechnology*. https://doi.org/10.7324/jabb.2017.50102
35. **Du-Bois Asante**, Emmanuel Effah-Yeboah, Precious Barnes, Heckel Amoabeng Abban, Elvis Ofori Ameyaw, Johnson Nyarko Boampong, Eric Gyamerah Ofori, Joseph Budu Dadzie (2016). Antidiabetic Effect of Young and Old Ethanolic Leaf Extracts of Vernonia amygdalina : A Comparative Study. *Journal of Diabetes Research*. https://doi.org/10.1155/2016/8252741
36. **Du-Bois Asante**, AR Adams, B Amoani (2016). Correlation between koilocytes and human papilloma virus in nasopharyngeal Carcinomas. *International Journal of Current Research*. https://ir.ucc.edu.gh/server/api/core/bitstreams/adf0b770-edc4-4924-bbe2-902393e29dba/content
37. Foster Kyei, **Du-Bois Asante**, Juliet Ama Mawusi Edekor, Esther Sarpong, Edem Gavor, Daniels Konja (2016). Down-regulation of Id1 and Id3 genes affects growth and survival of Human Umbilical Vein Endothelial Cells (HUVECs). *Journal of Applied Biology & Biotechnology*. https://doi.org/10.7324/jabb.2016.40204
38. 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
39. Benjamin Amoani, Elvis Ofori Ameyaw, **Du-Bois Asante**, Francis Ackah Armah, James Prah, Collins Paa Kwesi Botchey, Johnson Nyarko Boampong (2015). Effect of pre-existing Schistosoma haematobium infection on Plasmodium berghei multiplications in imprinting control region mice. *Asian Pacific Journal of Tropical Biomedicine*. https://doi.org/10.1016/j.apjtb.2015.03.007
40. **D Asante**, Elvis O Ameyaw, E Effah-Yeboah (2015). Hepatoprotective Effect of Ethanolic Leaf Extracts of Abrus Precatorius in Plasmodium Berghei Infected Imprinting Control Region (ICR) Mice; A Histopathological Perspective. *International Journal of Biological and Pharmaceutical Research*. https://ir.ucc.edu.gh/items/4ca4127f-2f53-43d0-90e1-80d702ee7173
41. Samuel Kyei, George Asumeng Koffuor, Paul Ramkissoon, **Du-Bois Asante** (2015). Oral and Ocular Safety Profile of Whole Plant Aqueous Extract of Heliotropium indicum L. in Rodents. *Research Journal of Medicinal Plant*. https://doi.org/10.3923/rjmp.2015.321.330

Book chapters 1

1. **Du-Bois Asante**, Patrick Kafui Akakpo, Gideon Akuamoah Wiafe (2023). The Link Between Adenoids and Nasopharyngeal Carcinoma. *IntechOpen eBooks*. https://doi.org/10.5772/intechopen.1001347

Reports 1

1. **Du-Bois Asante** (2022). Development and evaluation of methodologies for analysis of CTC and ctDNA in patients with ovarian carcinoma. *Edith Cowan University*. https://ro.ecu.edu.au/theses/2570/