Mr. Michael Owusu

Faculty of Electrical and Computer Engineering
Kwame Nkrumah University of Science and Technology

ORCID 0000-0001-5066-150X · Homepage knust.edu.gh · linkedin linkedin.com/in/michael-owusu-32962962/?skipRedirect=true · Google Scholar scholar.google.com/citations?user=IPTvRYcAAAAJ&hl=en · Profile knust.peerford.com/staff/211957a2-b084-4f66-9577-c1c92e21c84e

RESEARCH

Interests	Clinical Microbiology
Areas	Infectious Diseases · Epidemiology · Public Health, Environmental and Occupational Health · Hepatology · Food Science · Endocrinology

RESEARCH SUMMARY

150	2,720	26	62	2.80	20%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 150 publications listed below, 1979–2026. Field-weighted impact is the mean over the 130 works scored for it; 1.00 is the world average for works of the same field, type and year. 26 of the 130 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Lecturer 2018–present
Medical Diagnostics, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

Postdoctoral Research Scientist 2014–2017
Microbiology, Kumasi Centre for Collaborative Research in Tropical Medicine, Kumasi, Ghana

Biomedical Scientist 2007–2017
Microbiology, Komfo Anokye Teaching Hospital, Kumasi, Ghana

EDUCATION AND QUALIFICATIONS

Certificate Infectious Disease Modelling and Epidemiology 2025
Imperial College London, London, United Kingdom

Certificate in Leadership and Management in Clinical Laboratory 2023
University of Washington, Washington, United States

MSc Applied Statistics 2018–2020
Statistics, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

PhD 2011–2014
Clinical Microbiology, Kwame Nkrumah University of Science and Technology, Ghana and Institute of Virology, Bonn Medical Center, Germany, Kumasi, Ghana

Professional Diploma 2008–2009
Project Design and Management, Liverpool School of Tropical Medicine and Komfo Anokye Teaching Hospital, UTAH/Kumasi, Ghana

MPhil 2007–2010
Clinical Microbiology, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

BSc 2001–2005
Medical Laboratory Technology, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

PUBLICATIONS

Journal articles 141

1. Dorcas Ohui Owusu, Bright Afriyie Owusu, Augustine Yeboah, Melody Ama Antwi, Enusah Nandonfali, Sampson Agyapong Abakah, **Michael Owusu** (2026). A multi-perspective assessment of knowledge, attitudes, and barriers to viral hepatitis care in Ghana. *Frontiers in Cellular and Infection Microbiology*. https://doi.org/10.3389/fcimb.2026.1776176
2. Addae, Ebenezer Kojo, Awortwe-Quaicoe, Theophilus, Sackey, Benedict, Ansah, Richard Owusu, Larbi, Richard, Dazangapai, Kinako Denis Elia, Frimpong, James Opoku, Amoako, Thelma Owusuaa Ofori, Asamoah, Alexander, Ayisi-Boateng, Nana, Nkrumah, Bernard, Bekoe, Franklin Asiedu, **Owusu, Michael** (2026). Additional file 4 of Evaluating the diagnostic performance of miLab™ for detection of malaria parasites using nPCR as reference standard. *Figshare*. https://doi.org/10.6084/m9.figshare.31374831
3. KA Tutu, **M Owusu**, MF Baidoo (2026). Advancing Stone Matrix Asphalt Sustainability Through Full Replacement of Conventional Aggregates with Steel Slag and Palm Kernel Shell Ash: KA Tutu et al. *International Journal of Pavement Research and Technology*.
4. Oliver Nangkuu Deberu, Ebenezer Kojo Addae, David Eklu Zeyeh, Christian Owusu Nyantakyi, Kennedy Mensah Osei, Fredrick Gyilbagr, Asamoah Ampong, Ahmed Alhassan, Joseph Lartey, Bernard Bobzah, Felicia Owusu Amoa, Bernard Nkrumah, Beverly Egyir, **Michael Owusu** (2026). An uncommon case of Chromobacterium violaceum urinary tract infection in a tertiary hospital in Ghana: a case report. *Journal of Medical Case Reports*. https://doi.org/10.1186/s13256-026-05855-w
5. Philip El-Duah, Richmond Yeboah, Julia Melchert, William Tasiame, Emmanuella Nyarko-Afriyie, Augustina Angelina Sylverken, **Michael Owusu**, Yaw Adu-Sarkodie, Christian Drosten, Victor Max Corman (2026). Detection and complete genome characterisation of bat coronaviruses from Ghana. *Archives of Virology*. https://doi.org/10.1007/s00705-026-06628-y
6. Houriiyah Tegally, Simon Dellicour, Jenicca Poongavanan, Carla Mavian, Graeme Dor, Vagner Fonseca, Massimiliano S. Tagliamonte, Marcel Dunaiski, Monika Moir, Eduan Wilkinson, … **Michael Owusu** and 61 others (2026). Dynamics and ecology of a multistage expansion of Oropouche virus in Brazil. *Nature Ecology & Evolution*. https://doi.org/10.1038/s41559-026-03042-0
7. Eric Darko, Debora Akortia, Gifty Nkrumah, Francis Opoku Agyapong, Sampson Twumasi-Ankrah, Michael Owusu-Ansah, Rosanna Glazik, Alexander Shaw, Nicholas Grassly, Ellis Owusu-Dabo, Yaw Adu-Sarkodie, **Michael Owusu** (2026). Environmental surveillance of pathogens in Africa. *Applied and Environmental Microbiology*. https://doi.org/10.1128/aem.01932-25
8. James Opoku Frimpong, Ahmed Alhassan, Richard Owusu Ansah, Richard Larbi, Philip El-Duah, Dorcas Ohui Owusu, Thirumalaisamy P. Velavan, **Michael Owusu** (2026). Epidemiology and genotypic profiling of hepatitis B virus among febrile individuals in a high-endemic Ghanaian setting. *BMC Infectious Diseases*. https://doi.org/10.1186/s12879-026-12756-2
9. Ebenezer Kojo Addae, Theophilus Awortwe-Quaicoe, Benedict Sackey, Richard Owusu Ansah, Richard Larbi, Kinako Denis Elia Dazangapai, James Opoku Frimpong, Thelma Owusuaa Ofori Amoako, Alexander Asamoah, Nana Ayisi-Boateng, Bernard Nkrumah, Franklin Asiedu Bekoe, **Michael Owusu** (2026). Evaluating the diagnostic performance of miLab™ for detection of malaria parasites using nPCR as reference standard. *Malaria Journal*. https://doi.org/10.1186/s12936-026-05801-7
10. Brice Armel Nembot Fogang, Kathrin Arndts, Tomabu Adjobimey, **Michael Owusu**, Vera Serwaa Opoku, Derrick Adu Mensah, John Boateng, Jubin Osei-Mensah, Julia Meyer, Ute Klarmann-Schulz, Sacha Horn, Inge Kroidl, Alexander Y. Debrah, Achim Hoerauf, Manuel Ritter, Linda B. Debrah (2026). Helminth Antigens Modulate Virus-Induced Activation of CD154 (CD40L) Expression on T Cells in Onchocerca volvulus-Infected Individuals. *Pathogens*. https://doi.org/10.3390/pathogens15010093
11. Henrietta Dede Tetteh, Sherihane Naa Ayeley Aryeetey, Richmond Gorman, Henry Acheampong, Ernest

Oppong, Sylvia Baffour Awuah, Jesse Addo Asamoah, Emmanuella Nyarko-Afriyie, Manuella Hayford, Constance Adu-Gyamfi, Richmond Yeboah, Patrick Amponsah Mensah, **Michael Owusu**, Richard Odame Phillips, Sascha Knauf, Augustina Angelina Sylverken (2026). No evidence of zoonotic viruses in selected captive and wild-caught grasscutters (Thryonomys swinderianus) in the ashanti region of ghana: a cross-sectional study. *BMC Veterinary Research*. https://doi.org/10.1186/s12917-026-05413-y

12. Manuella Hayford, Henry Kyeramateng Acheampong, Richmond Gorman, Annie Animwaa Sarpong, Abigail Akoto, Constance Adu-Gyamfi, Jesse Addo Asamoah, Sherihane Naa Ayeley Aryeetey, Emmanuella Nyarko-Afriyie, Henrietta Dede Tetteh, Portia Boakye Okyere, Veronica Barnor, Richmond Yeboah, **Michael Owusu**, Richard Odame Phillips, Augustina Angelina Sylverken (2026). Prevalence, associated factors and treatment prescriptions for community-acquired pneumonia: a cross-sectional study at the largest children's hospital in the Ashanti Region, Ghana. *BMC Infectious Diseases*. https://doi.org/10.1186/s12879-026-13576-0

13. George Agyei, Philip El-Duah, Rexford Mawunyo Dumevi, Therese Muzeniek, Sherihane Aryeetey, Brice Armel Nembot Fogang, Jonathan M. Gmanyami, Augustina Angelina Sylverken, Yaw Adu-Sarkodie, Richard Odame Phillips, **Michael Owusu**, Christian Drosten (2026). Serological responses to SARS-CoV-2 in urban and rural Ghana: Antibody waning and implications for long-term population immunity. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0348281

14. Sampson Twumasi-Ankrah, **Michael Owusu**, Michael Owusu-Ansah, Seidu Amenyaglo, Caleb Osei-Wusu Sarfo, Eric Darko, Portia Okyere Boakye, Christopher B. Uzzell, Isobel M. Blake, Nicholas C. Grassly, Yaw Adu-Sarkodie, Ellis Owusu-Dabo (2026). Statistical methods for predicting the presence of Salmonella Typhi in wastewater samples at Asante Akyem Agogo, Ghana. *PLoS neglected tropical diseases*. https://doi.org/10.1371/journal.pntd.0013973

15. Gideon Kwarteng Acheampong, Fortress Yayra Aku, John Amuasi, Sylvia Annang, Silvia Argimon, Ernest Konadu Asiedu, Joseph Humphrey Kofi Bonney, Reinhard Busse, Benjamin Emikpe, Esteban Garcia-Gallo, Jonathan Mawutor Gmanyami, Anne Meierkord, Sam Kofi Newton, Bernard Nkrumah, Benjamin Nyakutsey, Daniel Opoku, Paul Elvis Onyango Ouma, **Michael Owusu**, Wilm Quentin (2026). West African Policy Dialogue—impulse for better data: progress towards better analytics and better decisions. *BMC Proceedings*. https://doi.org/10.1186/s12919-026-00362-8

16. Mohamed MUTOCHELUH, Charles ANSAH, Kwame Ohene BUABENG, Sampson TWUMASI-ANKRAH, Seth Agyei DOMFEH, **Michael OWUSU**, Michae OWUSU-ANSAH, Lawrence Sheringha BORQUAYE, Evans ADEI, Christiana DUAH, Daniel BOAMAH, Mavis BOAKYE-YIADOM, Kofi Bobi BARIMAH, Ellis OWUSU-DABO (2025). A CRYPTOLEPIS SANGUINOLENTA-BASED PREPARATION REDUCED HOSPITAL STAY AND MORTALITY OF COVID-19 PATIENTS DURING THE PANDEMI. *African Journal of Traditional Complementary and Alternative Medicines*. https://doi.org/10.21010/ajtcamv21i1.1

17. Anton Spadar, Jaspreet Mahindroo, Catherine Troman, **Michael Owusu**, Yaw Adu-Sarkodie, Ellis Owusu-Dabo, Dilip Abraham, Blossom Benny, Karthikeyan Govindan, Venkata Raghava Mohan, Zoe A. Dyson, Nicholas Grassly, Kathryn E. Holt (2025). AmpliconTyper – a tool for analysing ONT multiplex PCR data from environmental and other complex samples. *Microbial Genomics*. https://doi.org/10.1099/mgen.0.001421

18. **Michael Owusu**, EA Adjei (2025). Assessing livelihood and environmental implications of artisanal and small-scale mining: a case of Akango mining, Nzema East Municipality, Western Region, Ghana: K. Cudjoe et al. *Environment*.

19. George Agyei, Philip El-Duah, Jonathan Mawutor Gmanyami, Oscar Lambert, Brice Armel Nembot Fogang, Sherihane Aryeetey, Augustina Sylverken, Rexford Mawunyo Dumevi, Yaw Adu-Sarkodie, Richard Odame Phillips, Christian Drosten, **Michael Owusu** (2025). Atypical causes of respiratory virus infections in Sub-Saharan Africa from 2013– 2023: a systematic review and meta-analysis. *BMC Infectious Diseases*. https://doi.org/10.1186/s12879-025-11028-9

20. Princess R. Acheampong, Aliyu Mohammed, Sampson Twumasi-Ankrah, Augustina A. Sylverken, **Michael Owusu**, Timothy K. Adjei, Emmanuel Acquah-Gyan, Ellis Owusu-Dabo (2025). Effect of a mobile phone-based interactive voice response on common childhood illnesses in Ghana: a quasi-experimental study. *Reproductive Health*. https://doi.org/10.1186/s12978-025-01985-4

21. Carlo Fischer, Tongai Gibson Maponga, Anges Yadouleton, Nuro Abílio, Emmanuel Aboce, Praise Adewumi, Pedro Afonso, Jewelna Akorli, Soa Fy Andriamandimby, Latifa Anga, … **Michael Owusu** and 83 others (2025). Emergence and spread of the SARS-CoV-2 omicron (BA.1) variant across Africa: an observational study. *The Lancet Global Health*. https://doi.org/10.1016/s2214-109x(24)00419-4

22. **Michael Owusu**, Eric Darko, Debora Akortia, Gifty Nkrumah, Sampson Twumasi-Ankrah, Michael Owusu-Ansah, Christopher B. Uzzell, Jonathan Rigby, Catherine M. Troman, Nicolette A. Zhou, John Scott Meschke, Alexander G. Shaw, Nicholas C. Grassly, Yaw Adu-Sarkodie, Ellis Owusu-Dabo (2025). Evaluation of Moore and grab sampling method for Salmonella Typhi detection in environmental samples in Ghana. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0318840

23. **Michael Oluyemi Owusu**, Abdulrahman Muhammad (2025). Factors Influencing Family Planning Method Choice among Women of Reproductive Age 18-45 Years in Gombe Metropolis, North Eastern Nigeria. *World Journal of Advanced Research and Reviews*. https://doi.org/10.30574/wjarr.2025.25.3.0778

24. Brice Armel Nembot Fogang, Linda Batsa Debrah, **Michael Owusu**, George Agyei, Julia Meyer, Jonathan Mawutor Gmanyami, Manuel Ritter, Kathrin Arndts, Derrick Adu Mensah, Tomabu Adjobimey, Achim Hörauf, Alexander Yaw Debrah (2025). Helminth Coinfections Modulate Disease Dynamics and Vaccination Success in the Era of Emerging Infectious Diseases. *Vaccines*. https://doi.org/10.3390/vaccines13050436

25. Brice Armel Nembot Fogang, Julia Meyer, Linda B. Debrah, **Michael Owusu**, George Agyei, Derrick Adu Mensah, John Boateng, Jubin Osei Mensah, Ute Klarmann-Schulz, Sacha Horn, Inge Kroidl, Ezekiel Bonwin Ackah, Richard O. Phillips, Augustina Sylverken, Alexander Y. Debrah, Achim Hoerauf, Tomabu Adjobimey (2025). Helminth Seropositivity Inversely Correlated with Th1 and Th17 Cytokines and Severe COVID-19. *Vaccines*. https://doi.org/10.3390/vaccines13030252

26. **Michael Owusu**, Bernard Nkrumah, Godfred Acheampong, Stephen Opoku Afriyie, Ebenezer Kojo Addae, George Senyo Owusu, David Sambian, Joseph Asamoah Frimpong, Aliyu Mohammed, Abbas Abdul-Karim Komei, Gifty Boateng, Eunice Baiden Laryea, Pawan Angra, Farida Njelba Abdulai, Franklin Asiedu-Bekoe, Danielle T. Barradas (2025). Implementation of an Integrated Sample Referral System (ISRS) in Ghana: Successes and Lessons Learnt from a Pilot Study in the Northern and Greater Accra Regions. *PLOS Global Public Health*. https://doi.org/10.1371/journal.pgph.0004735

27. Nembot Fogang Brice Armel, Vincent Findeiss, Philip El-Duah, Jonathan Mawutor Gmanyami, Andrzej Jarynowski, Rexford Mawunyo Dumevi, Johanna Wildemann, Daniel Opoku, Vitaly Belik, **Michael Owusu**, Wilm Quentin, Christian Drosten, Johanna Hanefeld, John Amuasi, Reinhard Busse, Hanna-Tina Fischer (2025). Improving epidemiological projections for infectious diseases in Ghana: addressing methodological challenges. *Global Health Research and Policy*. https://doi.org/10.1186/s41256-025-00449-3

28. Nembot Fogang Brice Armel, Richmond Gorman, Philip El-Duah, James Osei-Mensa, Henry Kyeremateng Acheampong, Emmanuella Nyarko-Afriyie, **Michael Owusu**, Yaw Ampem Amoako, Kwasi Obiri-Danso, Richard Odame Phillips, Victor Max Corman, Christian Drosten, Augustina Angelina Sylverken (2025). Next-generation sequencing reveals viral aetiologies of encephalitis in Ghana: a prospective cross-sectional study. *BMC Infectious Diseases*. https://doi.org/10.1186/s12879-025-11436-x

29. **Michael Owusu**, G Nkrumah (2025). Optimising Wastewater Sample Processing for Multiple Pathogen Detection. *International Journal of Infectious Diseases*. https://www.sciencedirect.com/science/article/pii/S1201971224004600

30. Nembot Fogang Brice Armel, **M Owusu** (2025). P0130 Assessment of macrophage types in the intestinal tissue of treatment naïve Inflammatory Bowel Disease patients in relation to their disease and activation of the CCL2 …. *Journal of Crohn's and Colitis*. https://academic.oup.com/ecco-jcc/article-abstract/19/Supplement_1/i515/7967401

31. Nembot Fogang Brice Armel, **M Owusu** (2025). P0401 The IBD-disk accurately assesses disability and psychological burden at IBD diagnosis and predicts adverse outcomes in both UC and Crohn's disease during the first year …. *Journal of Crohn's and Colitis*. https://academic.oup.com/ecco-jcc/article-abstract/19/Supplement_1/i897/7967443

32. **Michael Owusu**, Bernard Nkrumah, Godfred Acheampong, Stephen Opoku Afriyie, Ebenezer Kojo Addae,

Richard Larbi, Richard Owusu Ansah, Chrysantus Kubio, Farouk Saeed, Nana Kwame Ayisi-Boateng, Eric Darko, Jacob Amonoo-Neizer, Abena Gyawu Owusu-Ansah, Frederick Ayensu, Peter Kojo Brenya, Veronica Bannor, Pawan Angra, Danielle Thompson Barradas (2025). Performance of novel digital real-time PCR for detection of SARS-CoV-2, respiratory syncytial viruses, and influenza viruses in Ghana. *Microbiology Spectrum*. https://doi.org/10.1128/spectrum.03219-24

33. Constance Adu-Gyamfi, Jesse Addo Asamoah, James Opoku Frimpong, Richard Larbi, Richard Owusu Ansah, Sherihane Naa Ayeley Aryeetey, Richmond Gorman, Henry Kyeremateng Acheampong, Emmanuella Nyarko-Afriyie, Manuella Hayford, … **Michael Owusu** and 10 others (2025). Prevalence of common respiratory viruses in children: insights from post-pandemic surveillance. *BMC Infectious Diseases*. https://doi.org/10.1186/s12879-025-11201-0

34. Nembot Fogang Brice Armel, Philip El-Duah, Jonathan Mawutor Gmanyami, George Agyei, Augustina Angelina Sylverken, Rexford Mawunyo Dumevi, William Tasiame, Yaw Adu-Sarkodie, Richard Odame Phillips, Christian Drosten, **Michael Owusu** (2025). Viral zoonotic disease outbreaks and response strategies in Sub-Saharan Africa: a scoping review. *One Health Outlook*. https://doi.org/10.1186/s42522-025-00186-0

35. **Michael Owusu**, K Buabeng, S Twumasi-Ankrah, S Domfeh (2024). A CRYPTOLEPIS SANGUINOLENTA-BASED PREPARATION REDUCED HOSPITAL STAY AND MORTALITY OF COVID-19 PATIENTS DURING THE PANDEMIC. *African Journal of Traditional, Complementary and Alternative Medicines*. https://journals.athmsi.org/index.php/ajtcam/article/view/6146

36. **Michael Owusu**, Eric Adu, Lotenna Elsie Kalu, Eugene Martey, Godfred Acheampong, Anthony Enimil, John Adabie Appiah, Augustina Badu-Peprah, Justice Sylverken, Augustina Angelina Sylverken, Samuel Blay Nguah, Emilie Westeel, Stephane Pouzol, Christian Drosten, Yaw Adu-Sarkodie (2024). Aetiological agents of pneumonia among HIV and non-HIV infected children in Ghana: A case-control study. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0299222

37. 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

38. Nembot Fogang Brice Armel, Emmanuel Kwesi Nyantakyi, Emmanuel Appiah-Adjei, Nana Osei Bonsu Ackerson, Saeed Ibn Idris Kofi Yeboah, Julius Kwame Borkloe, Martin Kyereh Domfeh, Ebenezer K. Siabi, Clement Apuri Wezenamo, **Michael Owusu**, Felix Adu-Tutu (2024). Assessment of Health Impacts of Rock Blasting Activities on Ntotoroso and Gyedu Communities, Ahafo Region, Ghana. *Transactions of Indian National Academy of Engineering*. https://doi.org/10.1007/s41403-024-00485-4

39. Lyndon N. A. Sackey, Lawrencia S. Y. Agyemang, Patrick E. Acheampong, **Michael Afriyie Owusu**, Jennifer Amoah (2024). Assessment of Noise Levels and Perceptions of Its Health Impact at Kejetia Market in Ghana. *The Scientific World JOURNAL*. https://doi.org/10.1155/2024/7658837

40. Nembot Fogang Brice Armel, Richmond Gorman, Henry Kyeremateng Acheampong, Emmanuella Nyarko-Afriyie, Sherihane Aryeetey, Henrietta Dede Tetteh, **Michael Owusu**, Eric Smart Yeboah, Titus Adade, Joseph Bonney, Yaw Ampem Amoako, Philip El-Duah, Kwasi Obiri-Danso, Christian Drosten, Richard Odame Phillips, Augustina Angelina Sylverken (2024). Clinical epidemiology, determinants, and outcomes of viral encephalitis in Ghana; a cross-sectional study. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0297277

41. Nicholas C Grassly, Alexander G Shaw, **Michael Owusu** (2024). Global wastewater surveillance for pathogens with pandemic potential: opportunities and challenges. *The Lancet Microbe*. https://doi.org/10.1016/j.lanmic.2024.07.002

42. Ezekiel B. Ackah, **Michael Owusu**, Benedict Sackey, Justice K. Boamah, Japhet S. Kamasah, Albert A. Aduboffour, Debora Akortia, Gifty Nkrumah, Andrews Amaniampong, Nicholas Klevor, Lawrence D. Agyemang, Nana K. Ayisi-Boateng, Augustina Sylverken, Richard O. Phillips, Ellis Owusu-Dabo (2024). Haematological Profile and ACE2 Levels of COVID-19 Patients in a Metropolis in Ghana. *COVID*. https://doi.org/10.3390/covid4020011

43. Florian Marks, Justin Im, Se Eun Park, Gi Deok Pak, Hyon Jin Jeon, Lady Rosny Wandji Nana, Marie-

France Phoba, Lisette Mbuyi-Kalonji, Ondari D Mogeni, Biruk Yeshitela, … **Michael Owusu** and 68 others (2024). Incidence of typhoid fever in Burkina Faso, Democratic Republic of the Congo, Ethiopia, Ghana, Madagascar, and Nigeria (the Severe Typhoid in Africa programme): a population-based study. *The Lancet Global Health*. https://doi.org/10.1016/s2214-109x(24)00007-x

44. Ovokeraye H. Oduaran, Moréniké Oluwátóyìn Foláyan, Arox W. Kamng'ona, Annettee Nakimuli, Lamech M. Mwapagha, Mathabatha E. Setati, **Michael Owusu**, Nicola Mulder, Thulani P. Makhalanyane, Soumaya Kouidhi (2024). Microbiome research in Africa must be based on equitable partnerships. *Nature Medicine*. https://doi.org/10.1038/s41591-024-03026-2

45. Moses Musah Kabanunye, Benjamin Noble Adjei, Daniel Gyaase, Emmanuel Kweku Nakua, Stephen Opoku Afriyie, Yeetey Enuameh, **Michael Owusu** (2024). Risk factors associated with meningitis outbreak in the Upper West Region of Ghana: A matched case-control study. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0305416

46. Kingsford Cudjoe, Emmanuel Kwesi Nyantakyi, Julius Kwame Borkloe, Emmanuel Appiah Adjei, Ebenezer K. Siabi, Nana Osei Bonsu Ackerson, Saeed Ibn Idris Kofi Yeboah, Martin Kyereh Domfeh, Clement Apuri Wezenamo, **Michael Owusu**, Felix Adu-Tutu, Amanda Owusu (2023). Assessing livelihood and environmental implications of artisanal and small-scale mining: a case of Akango mining, Nzema East Municipality, Western Region, Ghana. *Environment Development and Sustainability*. https://doi.org/10.1007/s10668-023-04339-x

47. Emmanuel Atule Aberikae, Emmanuel Kwesi Nyantakyi, David Okoh Kpeglo, Maruf Abubakar, Gustav Gbeddy, Nana Osei Bonsu Ackerson, Saeed Ibn Idris Kofi Yeboah, Martin Kyereh Domfeh, Thomas Atta-Darkwa, Emmanuel Amankwah, **Michael Owusu** (2023). Baseline assessment of naturally occurring radionuclides in borehole water of Asikam-gold mining community in Ghana. *Scientific African*. https://doi.org/10.1016/j.sciaf.2023.e01730

48. Megan Birkhold, Shrimati Datta, Gi Deok Pak, Justin Im, Olakayode O Ogundoyin, Dare I Olulana, Taiwo A Lawal, Oludolapo O Afuwape, Aderemi Kehinde, Marie-France Phoba, … **Michael Owusu** and 24 others (2023). Characterization of Typhoid Intestinal Perforation in Africa: Results From the Severe Typhoid Fever Surveillance in Africa Program. *Open Forum Infectious Diseases*. https://doi.org/10.1093/ofid/ofad138

49. **A Amaniampong**, E Akowuah, M.A. Boasiako, J.A. Asamoah, C. Adu-Gyamfi, S Aryeetey, G Acheampong, G Agyei, N.K. Ayisi-Boateng, F.O. Agyapong, J.S. Kamasah, M Mutocheluh, A.A. Sylverken, R.O. Phillips (2023). Comparative Analysis of SARS-Cov-2 Detection Using Viral Swab in Viral Transport Medium Against Cotton Swab in 0.9% Normal Saline. *GET Journal of Biosecurity and One Health*. https://doi.org/10.36108/gjoboh/3202.20.0240

50. Alexander G. Shaw, Catherine Troman, Joyce Odeke Akello, Kathleen M. O'Reilly, Jillian Gauld, Stephanie Grow, Nicholas Grassly, Duncan Steele, David Blazes, Supriya Kumar, … **Michael Owusu** and 79 others (2023). Defining a research agenda for environmental wastewater surveillance of pathogens. *Nature Medicine*. https://doi.org/10.1038/s41591-023-02457-7

51. Patrick Kwame Akwaboah, **Michael Owusu** (2023). Do People Screen for Non-Communicable Diseases? A Cross-Sectional Survey in a Peri-Urban Community in Ghana. *European Journal of Medical and Health Sciences*. https://doi.org/10.24018/ejmed.2023.5.4.1826

52. Benjamin Afotey, **Michael Owusu**, Samuel Kwasi Appiah, Kofi Mensah, Simon Bannison Bani, Felix Osei-Boakye, Lawrence Duah Agyemang, Ezekiel Bonwin Ackah, Gabriel Abbam, Samira Daud and 17 others (2023). Effects of COVID-19 disease on PAI-1 antigen and haematological parameters during disease management: A prospective cross-sectional study in a regional Hospital in Ghana. *PLOS Global Public Health*. https://doi.org/10.1371/journal.pgph.0001866

53. Albert Martey Addo, Emmanuel Kwesi Nyantakyi, Emmanuel Appiah-Adjei, Nana Osei Bonsu Ackerson, Saeed Ibn Idris Kofi Yeboah, Julius Kwame Borkloe, Martin Kyereh Domfeh, Ebenezer K. Siabi, Clement Apuri Wezenamo, **Michael Owusu** (2023). Environmental and health impacts of mining: a case study in Kenyasi-Ahafo Region, Ghana. *Arabian Journal of Geosciences*. https://doi.org/10.1007/s12517-023-11424-y

54. Nembot Fogang Brice Armel, Godfred Acheampong, Bernard Nkrumah, Nana Kwame Ayisi-Boateng,

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