Levi Yafetto

Senior Lecturer · Molecular Biology & Biotechnology
University of Cape Coast

ORCID 0000-0001-5075-2508 · Google Scholar scholar.google.com/citations?user=ABjuR1AAAAAJ&hl=en · Profile scholar.ucc.edu.gh/staff/c89af24f-5eea-401b-8332-66d714f5e695

RESEARCH

Interests	Mycology · Microbiology · Fermentation · Fungal Biotechnology · Environmental Microbiology
Areas	Nutrition and Dietetics · Food Science · Biotechnology · Molecular Biology · Plant Science · Pollution

RESEARCH SUMMARY

24	774	14	15	4.50	29%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 24 publications listed below, 2008–2025. Field-weighted impact is the mean over the 14 works scored for it; 1.00 is the world average for works of the same field, type and year. 4 of the 14 papers scored for it are among the world's most cited tenth for their field, type and year.

EDUCATION AND QUALIFICATIONS

MPhil 2019–2021
Department of Molecular Biology and Biotechnology, University of Cape Coast, Cape Coast, Ghana

PUBLICATIONS

Journal articles 24

1. **Levi Yafetto** (2025). Effect of solid-state fermentation on protein enhancement of pearl millet (Pennisetum glaucum (L.)) using Saccharomyces cerevisiae and Lactobacillus bulgaricus after .... *Ghana Journal of Science*. https://openurl.ebsco.com/contentitem/gcd:193472946?sid=ebsco:plink:crawler-gcd&id=ebsco:gcd:193472946&crl=c&jrnl=00169544
2. **Levi Yafetto** (2025). Two-step fermentation technique using Saccharomyces cerevisiae and Lactobacillus bulgaricus to enhance the nutritional value of malted and unmalted maize (Zea mays L.) meal. *Ghana Journal of Science*. https://openurl.ebsco.com/contentitem/gcd:189361938?sid=ebsco:plink:crawler-gcd&id=ebsco:gcd:189361938&crl=c&jrnl=00169544
3. Emuobonuvie G. Ayeta, **Levi Yafetto**, George Lutterodt, Joel F. Ogbonna, Michael Miyittah (2024). Groundwater governance and a snapshot of associated issues in selected coastal communities in Ghana. *Groundwater for Sustainable Development*. https://doi.org/10.1016/j.gsd.2024.101164
4. Emuobonuvie G. Ayeta, **Levi Yafetto**, George Lutterodt, Joel F. Ogbonna, Michael K. Miyittah (2024). Groundwater in the coastal areas of Ghana: Quality and associated health risks. *Heliyon*. https://doi.org/10.1016/j.heliyon.2024.e31652
5. Charles Abimbola Faseyi, Michael K. Miyittah, **Levi Yafetto** (2023). Assessment of environmental degradation in two coastal communities of Ghana using Driver Pressure State Impact Response (DPSIR) framework. *Journal of Environmental Management*. https://doi.org/10.1016/j.jenvman.2023.118224
6. Ephraim Ekloh, **Levi Yafetto** (2023). Fermentation and valorization of watermelon (Citrullus lanatus) rind wastes into livestock feed using Aspergillus niger and Mucor sp. *Scientific African*. https://doi.org/10.1016/j.sciaf.2023.e02035
7. Emuobonuvie G. Ayeta, **Levi Yafetto**, George Lutterodt, Joel F. Ogbonna, Michael K. Miyittah (2023).

Seasonal variations and health risk assessment of microbial contaminations of groundwater in selected coastal communities of Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2023.e18761

8. **Levi Yafetto**, George Tawia Odamtten, Michael Wiafe-Kwagyan (2023). Valorization of agro-industrial wastes into animal feed through microbial fermentation: A review of the global and Ghanaian case. *Heliyon*. https://doi.org/10.1016/j.heliyon.2023.e14814
9. **Levi Yafetto** (2022). Application of solid-state fermentation by microbial biotechnology for bioprocessing of agro-industrial wastes from 1970 to 2020: A review and bibliometric analysis. *Heliyon*. https://doi.org/10.1016/j.heliyon.2022.e09173
10. **Levi Yafetto**, Christiana Naa Atsreh Nsiah-Asamoah, Emmanuel Birikorang, George Tawia Odamtten (2022). Biotechnological Application of Saccharomyces cerevisiae and Lactobacillus delbrueckii sp. bulgaricus for Protein Enrichment of Fermented Unmalted and Malted Sorghum (Sorghum bicolor (L.) Moench). *International Journal of Food Science*. https://doi.org/10.1155/2022/2264993
11. C.A. Faseyi, M.K. Miyittah, **L. Yafetto**, A.A. Sowunmi, G. Lutterodt (2022). Pollution fingerprinting of two southwestern estuaries in Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2022.e10337
12. C.A. Faseyi, M.K. Miyittah, A.A. Sowunmi, **L. Yafetto** (2022). Water quality and health risk assessments of illegal gold mining-impacted estuaries in Ghana. *Marine Pollution Bulletin*. https://doi.org/10.1016/j.marpolbul.2022.114277
13. **L. Yafetto**, G. T. Odamtten, E. Birikorang, S. Adu (2021). Protein Enhancement of Yam (Dioscorea rotundata) Peels with Single-or Co-Inoculation of Aspergillus niger Van Tieghem and Trichoderma viride Pers Ex Fr. Under Solid-State Fermentation. *Ghana Journal of Science*. https://doi.org/10.4314/gjs.v61i2.3
14. **Levi Yafetto**, Emelia Hornam Adator, Abena Ahema Ebuako, Ephraim Ekloh, Francis Yao Afeti (2019). Microbial Quality of Raw Beef and Chevon From Selected Markets in Cape Coast, Ghana. *Journal of Biology and Life Science*. https://doi.org/10.5296/jbls.v10i1.14022
15. **L. Yafetto**, E. Ekloh, B. Sarsah, E. K. Amenumey, E. H. Adator (2019). Microbiological Contamination of some Fresh Leafy Vegetables Sold in Cape Coast, Ghana. *Ghana Journal of Science*. https://doi.org/10.4314/gjs.v60i2.2
16. Adinortey Cynthia Ayefoumi, Amewowor Damian H.A, Galyuon Isaac K.A., Otwe Emmanuel Plas, Asante Daniel K.A, **Yafetto Levi**, Adinortey Michael Buenor (2019). Molecular Characterization of Antibiotic Resistance Genes in Escherichia coli from Clinical and Environmental Samples in Ghana. *Asian Journal of Biological Sciences*. https://doi.org/10.3923/ajbs.2019.356.363
17. **L Yafetto** (2019). The biotechnological potential of using mono– and co–cultures of Aspergillus niger van Tieghem and Trichoderma viride Pers ex Fr. to enhance the protein content of cassava …. *Studies in Fungi*. https://doi.org/10.5943/sif/4/1/14
18. **L Yafetto** (2018). Fungal contaminations of indoor and outdoor air of buildings of the University of Cape Coast, Ghana. *Studies in Fungi*. https://doi.org/10.5943/sif/3/1/33
19. **L Yafetto** (2018). Protein enrichment of cassava pulp by solid-state fermentation using Aspergillus niger. *Studies in Fungi*. https://www.studiesinfungi.org/pdf/SIF_3_1_2.pdf
20. **L Yafetto** (2018). The structure of mycelial cords and rhizomorphs of fungi: a mini-review. *Mycosphere*. https://mycosphere.org/pdf/MYCOSPHERE_9_5_3.pdf
21. **L Yafetto** (2017). Ethnomycological survey of cape coast metropolis, Ghana. *Current Research in Environmental and Applied Mycology*. https://www.researchgate.net/profile/Levi_Yafetto/publication/321704087_Ethnomycological_survey_of_Cape_Coast_Metropolis_Ghana/links/6421cb8592cfd54f84332944/Ethnomycological-survey-of-Cape-Coast-Metropolis-Ghana.pdf
22. **L Yafetto**, Isaac KA Galyuon (2016). Towards genetically engineered crops in ghanaian agriculture: Confined field trials and the „next-door neighbor effect" theory. *AgBioForum*. http://agbioforum.org/wp-content/uploads/2021/02/AgBioForum-19-1-66.pdf
23. **Levi Yafetto** (2009). Biomechanics of invasive growth by Armillaria rhizomorphs. *Fungal Genetics and Biology*. https://www.sciencedirect.com/science/article/pii/S1087184509000917
24. **Levi Yafetto** (2008). The fastest flights in nature: high-speed spore discharge mechanisms among fungi.

PLoS One. https://doi.org/10.1371/journal.pone.0003237