Michael Akrofi Anang

Associate Professor · Department of Chemistry
University of Cape Coast

ORCID 0000-0003-1685-8741 · Google Scholar scholar.google.com/citations?user=FmCeuFwAAAAJ&hl=en · Profile scholar.ucc.edu.gh/staff/2f6db9ab-6af1-4c49-960f-e0580997a880

RESEARCH

Interests	Environmental and Process Engineering
Areas	Water Science and Technology · Food Science · Organic Chemistry · Biomaterials · Biomedical Engineering · Building and Construction

RESEARCH SUMMARY

17	189	7	7	1.79	9%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 17 publications listed below, 2011–2023. Field-weighted impact is the mean over the 11 works scored for it; 1.00 is the world average for works of the same field, type and year. 1 of the 11 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

University of Cape Coast
Industrial Chemistry, Cape Coast, Ghana

PUBLICATIONS

Journal articles 16

1. Michael Oteng-Peprah, Peter Appiah Obeng, Mike Agbesi Acheampong, **Michael Akrofi Anang** (2023). Fixed-bed column sorption kinetic rates on the removal of both biochemical oxygen demand (BOD5) and chemical oxygen demand (COD) in domestic greywater by using palm kernel activated carbon. *Water Practice & Technology*. https://doi.org/10.2166/wpt.2023.097
2. Andy Kofi Agoe, **Michael Akrofi Anang**, Emmanuel Siaw (2022). Determination of Sulphate Ion Concentration in Some Ground Water in the Cape Coast Metropolitan Area, Central Region, Ghana and Its Effects on Concrete Brick with Admixture of Sawdust Ash. *International Research Journal of Pure and Applied Chemistry*. https://doi.org/10.9734/irjpac/2022/v23i130445
3. Emmanuel Siaw, **Michael Akrofi Anang**, Andy Kofi Agoe (2021). Comparing the Effectiveness of Activated Carbons Synthesized from Palm Kernel Shell for the Removal of Rhodamine B Dye from an Aqueous Solution. *The International Journal of Science & Technoledge*. https://doi.org/10.24940/theijst/2021/v9/i8/165730-401460-1-sm
4. **Michael Akrofi Anang**, Ruphino Zugle, B Sefa-Ntiri (2021). Photodegradation Efficiencies of MIL-53 (Al) of Dyes. *Journal of Materials Science Research and Reviews*. https://www.researchgate.net/profile/Michael-Anang/publication/358118289_Photodegradation_Efficiencies_of_MIL-53Al_of_Dyes/links/61f0ff325779d35951d48930/Photodegradation-Efficiencies-of-MIL-53Al-of-Dyes.pdf
5. **Michael Akrofi Anang**, Ruphino Zugle, Baah Sefa-Ntiri (2020). Assessing the Adsorptive and Photodegradative Efficiencies of ZSM-11 Synthesized from Rice Husk Ash. *Journal of Chemistry*. https://doi.org/10.1155/2020/6094126
6. **Michael Akrofi Anang**, Ruphino Zugle, Baah Sefa- Ntiri (2020). Comparing the Efficiencies of the Removal of Cadmium from Industrial Wastewater Using Zeolites. *International Research Journal of Pure and Applied Chemistry*. https://doi.org/10.9734/irjpac/2020/v21i530166

7. **Michael Akrofi Anang**, Daniel Dodoo, Baah-Sefa Ntiri, Ruphino Zugle, Gertrude Ellen Fynn (2020). Improving the Quality of Locally Produced Vegetable Oils in Ghana Using Zeolite ZSM-11. *Chemical Science International Journal*. https://doi.org/10.9734/csji/2019/v28i430150
8. **Michael A. Anang**, Michael Oteng-Peprah, Kwasi Opoku-Boadu (2019). Extraction and Characterisation of African Star Apple (Chrysophyllum albidum) Seed Oil and the Adsorptive Properties of the Fruit Shell in Ghana. *International Journal of Food Science*. https://doi.org/10.1155/2019/4959586
9. Samuel Tetteh, Andrews Quashie, **Michael Akrofi Anang** (2018). Purification, Characterization, and Time-Dependent Adsorption Studies of Ghanaian Muscovite Clay. *Journal of Chemistry*. https://doi.org/10.1155/2018/6252913
10. **Michael Akrofi Anang** (2017). Chemical Characterization of Shea Butter Oil Soap (Butyrospermum parkii Don.G). *international journal of development and sustainability*. https://www.researchgate.net/profile/Michael-Anang/publication/321213768_Chemical_characterization_of_shea_butter_oil_soap_Butyrospermum_parkii_G_Don/links/5a15503e0f7e9b925cd53997/Chemical-characterization-of-shea-butter-oil-soap-Butyrospermum-parkii-G-Don.pdf
11. **Michael Akrofi Anang**, Samuel Kofi Tulashie, Michael Oteng-Peprah, Kankam Boadu, A. K. Wofesor (2015). Physico-Chemical Assessment of the Quality of Water of the Amansure River in the Western Region of Ghana. *Journal of Basic & Applied Sciences*.
12. **Michael Akrofi Anang**, & Boadu. (2013). Occupational Hazards and Environmental Health Associated with the Traditional Palm Kernel Oil Extraction Method(A Case Study of the Abura Palm Kernel Oil Industry in the .... *Der Chemica Sinica*.
13. **Michael Akrofi Anang**, SK Tulashie, KO Boadu (2012). Evaluation of the strength of concrete slabs using bamboo-mesh in place of iron rod mesh with palm-kernel shells as additives. *Der Chemica Sinica*. https://doi.org/10.5555/20123148222
14. J.K. Bentum, **M. Anang**, K.O. Boadu, E.J. Koranteng-Addo, E. Owusu Antwi (2011). Assessment of heavy metals pollution of sediments from Fosu lagoon in Ghana. *Bulletin of the Chemical Society of Ethiopia*. https://doi.org/10.4314/bcse.v25i2.65869
15. **KOB Michael Akrofi Anang**, Samuel Kofi Tulashie, KO Boadu (2011). Effect of additives on the mechanical properties of some cement products. *University of Cape Coast*. https://ir.ucc.edu.gh/items/fc8f4700-4650-41d5-a569-0f9ca8d1661a
16. Opoku Boadu, Kwasi, Kofi Tulashie, Samuel, **MA Anang** (2011). Production of natural insecticide from Neem leaves (Azadirachta indica). *HAL (Le Centre pour la Communication Scientifique Directe)*.

Reports 1

1. KO Boadu, Samuel Kofi Tulashie, **MA Anang** (2011). Toxicological analysis of the effect of neem tree extract in an organism. *University of Cape Coast*. https://ir.ucc.edu.gh/items/febe98d6-700c-441f-854a-739134864d91