Emmanuel G. Ankudey

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RESEARCH

Interests	Bioprocess Engineering · Separations · Petrochemical Processing
Areas	Biomedical Engineering · Mechanical Engineering · Automotive Engineering · Health, Toxicology and Mutagenesis · Materials Chemistry · Plant Science

RESEARCH SUMMARY

13	83	4	3	1.30	25%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 13 publications listed below, 2008–2025. Field-weighted impact is the mean over the 4 works scored for it; 1.00 is the world average for works of the same field, type and year. 1 of the 4 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Senior Lecturer
Chemical Engineering, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

PUBLICATIONS

Journal articles 11

1. **EG Ankudey** (2025). Effect of Immobilization on the Activity of Alpha-amylase from Naara Pearl Millet. *International Journal of Modern Research in Engineering and Technology*.
2. Emmanuela Kwao-Boateng, **Emmanuel Godwin Ankudey**, Lawrence Darkwah, Kwabena Owusu Danquah (2024). Assessment of diesel fuel quality. *Heliyon*. https://doi.org/10.1016/j.heliyon.2024.e24733
3. E Kwao-Boateng, KO Danquah, **EG Ankudey**, L Darkwah (2024). Desulfurization Capabilities of Indigenous Bacteria Isolates for Enhanced Sulfur Removal. *Journal of Chemical and Petroleum Engineering*. https://jchpe.ut.ac.ir/article_88267.htmlhttps://jchpe.ut.ac.ir/article_97510.html
4. Emmanuela Kwao-Boateng, **Emmanuel Godwin Ankudey**, Lawrence Darkwah, Kwabena Owusu Danquah, Derrick Boateng Kontoh (2024). Evaluating the Health and Environmental Consequences of Sulphur-Related Diesel Emissions. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v1i1.1s
5. B Afotey, **EG Ankudey**, DA Anang (2024). Fuel Properties and Emission Characteristics of Biodiesel Fuel Produced from Waste Cooking Oil Using CaO/CaFe2O4 catalyst. *Journal of Ghana Science Association*. https://scholar.google.com/scholar?cluster=4608353449147547154&hl=en&oi=scholarr
6. Tawakalitu AbdulRasheed, Benjamin Afotey, **Emmanuel Godwin Ankudey**, Daniel Adjah Anang (2023). Synthesis and Characterization of Novel Calcium Oxide/Calcium Ferrite, CaO/CaFe2O4 Composite Nanocatalyst for Biodiesel Production. *ES Materials & Manufacturing*. https://doi.org/10.30919/esmm922
7. **EG Ankudey** (2019). Liquefied petroleum gas (LPG) transportation and storage in Ghana: the safety perspective. *Asian J Sci Technol [Internet]*. https://scholar.google.com/scholar?cluster=12240814994614366379&hl=en&oi=scholarr
8. **EG Ankudey** (2014). Assessment and characterization of peroxidase activity in locally grown bean varieties from Ghana. *Int J Sci Res Publ*. https://www.academia.edu/download/35919617/ijsrp-p3062.pdf

9. **EG Ankudey** (2014). Investigating Crude Potash as Activating Agent for the Production of Activated Carbon for Gold Adsorption Operations–A Preliminary Study. *International Journal of Engineering and Technology*. https://www.researchgate.net/profile/Benjamin-Meteku/publication/340331614_Investigating_Crude_Potash_as_Activating_Agent_for_the_Production_of_Activated_Carbon_for_Gold_Adsorption_Operations_-A_Preliminary_Study/links/5e83ff3f92851c2f5270e52a/Investigating-Crude-Potash-as-Activating-Agent-for-the-Production-of-Activated-Carbon-for-Gold-Adsorption-Operations-A-Preliminary-Study.pdf
10. **EG Ankudey** (2014). Pervaporative Separation of Ethanol-Water Mixture using Composite Membranes with Hydrophilic Zeolite fillers made from Ghanaian Clay deposits. *International Journal of Scientific & Engineering Research*. https://scholar.google.com/scholar?cluster=12291666815055593267&hl=en&oi=scholarr
11. **E Ankudey** (2014). Solid state fermentation of aspergillus Niger MENA1E and Rhizopus MENACO11A for Glucoamylase production on agricultural residues. *International Journal of Scientific and Research Publications*. https://www.academia.edu/download/35919851/ijsrp-p3073.pdf

Book chapters 1

1. **Emmanuel G. Ankudey**, Martin Y. Woode (2024). Assessment of Peroxidase Activity and its Characterization in Local Bean Varieties from Ghana. https://doi.org/10.9734/bpi/cpstr/v9/6874b

Theses 1

1. **EG Ankudey** (2008). Biocatalyst and bioprocess engineering for alkene epoxidation. *The University of Iowa*. https://search.proquest.com/openview/f5124af1f93fc4d93ed16fc6b83f6fb4/1?pq-origsite=gscholar&cbl=18750