



Francis Kemausuor

Current employment:

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Relevant links:

- <https://scholar.google.com/citations?user=NXssq-UAAAAJ&hl=en>
- <https://gh.linkedin.com/in/francis-kemausuor-93665213>
- <https://www.researchgate.net/profile/Francis-Kemausuor>
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- <https://webapps.knust.edu.gh/staff/dirsearch/profile/associations/1bd6420e2725.html>

Short bio:

Francis Kemausuor is an Associate Professor at Kwame Nkrumah University of Science and Technology with expertise in Bioenergy Technology, Energy Planning and Energy Policy. He has coordinated and been part of research and consultancy projects related to bioenergy technology development, energy planning and energy policy in Ghana and across West Africa. At the international level, he has consulted or managed projects for UNIDO, UNDP, European Union Energy Initiative's Partnership Dialogue Facility (EUEI-PDF), UNESCO, UNEP, DANIDA, SNV and the Ghana Energy Commission. He has spent time at the University of Life Sciences in Norway as Visiting Researcher. He has also served as Visiting Lecturer at the Pan African University – Institute of Energy and Water Sciences, Tlemcen, Algeria and the Ecole Supérieure des Métiers des Énergies Renouvelables, Abomi-Calavi, Benin. Francis is a member of the Ghana Institution of Engineering and the American Society of Agricultural and Biological Engineers. Francis holds a PhD in Bioengineering, MPhil in Engineering for Sustainable Development, and BSc in Agricultural Engineering. He has studied at the Denmark Technical University, University of Cambridge, and Kwame Nkrumah University of Science and Technology.

Most recent energy sector-related publications:

- Ezealigo, U. S., Ezealigo, B. N., Plaza, M. G., Dim, E. N., Kemausuor, F., Achenie, L. E. K., & Onwualu, A. P. (2022). Preliminary characterisation and valorisation of *Ficus benjamina* fruits for biofuel application. *Biomass Conversion and Biorefinery*.
<https://doi.org/10.1007/s13399-021-02230-1>
- Ezealigo, U. S., Ezealigo, B. N., Kemausuor, F., Achenie, L. E. K., & Onwualu, A. P. (2021). Biomass Valorization to Bioenergy: Assessment of Biomass Residues' Availability and Bioenergy Potential in Nigeria. *Sustainability*, 13(24), 13806.
<https://doi.org/10.3390/su132413806>
- Selormey, G. K., Barnes, B., Kemausuor, F., & Darkwah, L. (2021). A review of anaerobic digestion of slaughterhouse waste: Effect of selected operational and environmental parameters on anaerobic biodegradability. *Reviews in Environmental Science and Bio/Technology*. <https://doi.org/10.1007/s11157-021-09596-8>
- Offei, F., Koranteng, L. D., & Kemausuor, F. (2021). Integrated bioethanol and briquette recovery from rice husk: A biorefinery analysis. *Biomass Conversion and Biorefinery*.
<https://doi.org/10.1007/s13399-021-01731-3>
- Black, M. J., Roy, A., Twinomunuji, E., Kemausuor, F., Oduro, R., Leach, M., Sadhukhan, J., & Murphy, R. (2021). Bottled Biogas—An Opportunity for Clean Cooking in Ghana and Uganda. *Energies*, 14(13), 3856. <https://doi.org/10.3390/en14133856>
- Chen, K. C., Leach, M., Black, M. J., Tesfamichael, M., Kemausuor, F., Littlewood, P., Marker, T., Mwabonje, O., Mulugetta, Y., Murphy, R. J., Diaz-Chavez, R., Hauge, J., Saleeby, D., Evans, A. W., & Puzzolo, E. (2021). BioLPG for Clean Cooking in Sub-Saharan Africa: Present and Future Feasibility of Technologies, Feedstocks, Enabling Conditions and Financing. *Energies*, 14(13), 3916. <https://doi.org/10.3390/en14133916>
- Ossei-Bremang, R. N., & Kemausuor, F. (2021). A decision support system for the selection of sustainable biomass resources for bioenergy production. *Environment Systems and Decisions*. <https://doi.org/10.1007/s10669-021-09810-6>
- Boafo-Mensah, G., Neba, F. A., Tornyeviadzi, H. M., Seidu, R., Darkwa, K. M., & Kemausuor, F. (2021). Modelling the performance potential of forced and natural-draft biomass cookstoves using a hybrid Entropy-TOPSIS approach. *Biomass and Bioenergy*, 150, 106106. <https://doi.org/10.1016/j.biombioe.2021.106106>