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RESEARCH

Interests: Renewable Energy · Bioenergy · Energy Planning and Ploicy

Areas: Pollution · Biomedical Engineering · Energy Engineering and Power Technology · Renewable Energy, Sustainability and the Environment · Electrical and Electronic Engineering · Waste Management and Disposal

RESEARCH SUMMARY

145	3,780	31	76	1.60	21%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 145 publications listed below, 2007–2026. Field-weighted impact is the mean over the 117 works scored for it; 1.00 is the world average for works of the same field, type and year. 24 of the 117 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Professor 2007–present
The Brew-Hammond Energy Centre / Agricultural and Biosystems Engineering, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

EDUCATION AND QUALIFICATIONS

PhD Bioengineering 2011–2015
Bioengineering, Denmark Technical University / Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

MPhil Engineering for Sustainable Development 2005–2006
Engineering, University of Cambridge, Cambridge, United Kingdom

BSc Agricultural Engineering 2000–2004
Agricultural Engineering, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

PUBLICATIONS

Journal articles 128

1. F Adusah-Poku, PB Frimpong, **F Kemausuor** (2026). Adoption and Use of Residential Solar PV Systems in Ghana: Insights from a Mixed-Methods Study in Ghana. *Scientific African*. https://www.sciencedirect.com/science/article/pii/S2468227626003984
2. David Kabutey Akuaku, Kodwo Miezah, Shadrack Kwadwo Amponsah, Jerome Dela Lavie, **Francis Kemausuor** (2026). Composting dynamics and quality Characterization of cocoa husk Biochar–Based organic fertilizer. *Waste Management Bulletin*. https://doi.org/10.1016/j.wmb.2026.100312
3. Paula Edze, Ulrich Elmer Hansen, Imoro Braimah, **Francis Kemausuor**, Akosua Baah Kwarteng Amaka-Otchere (2026). Decent work and career development in the green transition: Insights from the solar

value chain in Ghana. *Energy Sustainable Development/Energy for sustainable development*. https://doi.org/10.1016/j.esd.2026.101980

4. **Francis Kemausuor**, P Boakye, PA Akaba, JO Akowuah (2026). National-Scale Screening of Enhanced Rock Weathering in Ghana: Environmental Suitability and Geological Prospectivity. *Environmental Research Communications*. https://doi.org/10.1088/2515-7620/aeb0f7
5. Laari Philip Yaro, **Francis Kemausuor**, Michael Kweku Commeh, Ibrahim Hamidu, Jerome Dela Lavie (2026). Optimization Of Hydrochar Yield and Energy Content from Cassava and Plantain Peels Via Co-Hydrothermal Carbonisation. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v44i2.3
6. Seth A. Mahu, Flavio Odoi-Yorke, Akwasi Adu-Poku, Richard K. Avuglah, Emmanuel A. Frimpong, David A. Quansah, **Francis Kemausuor** (2026). Overcoming Technical and Operational Barriers in Low-Voltage Mini-Grids: Two Decades of Research Trends, Progress, and Pathways for Accelerated Rural Electrification (2005–2025). *Energies*. https://doi.org/10.3390/en19040933
7. Julius Adinkrah, Griffith Selorm Klogo, **Francis Kemausuor**, Eliel Keelson, Eric Tutu Tchao, Henry Nunoo-Mensah, Andrew Selasi Agbemenu, Akwasi Adu-Poku, Albert Dede, Amina Salifu, Matthew Cobbinah, Frank Kofi Owusu, Jerry John Kponyo (2026). Transfer learning framework for rural electrification: A GRU-based approach with custom loss for demand prediction. *Results in Engineering*. https://doi.org/10.1016/j.rineng.2026.109421
8. Mubarick Issahaku, Nana Sarfo Agyemang Derkyi, **Francis Kemausuor** (2025). An assessment of a solar PV-powered IoT monitoring system for small-scale biogas digesters. *Discover Internet of Things*. https://doi.org/10.1007/s43926-025-00223-4
9. M. Issahaku, N. Sarfo Agyemang Derkyi, **F. Kemausuor** (2025). Assessing small-scale biogas digester adoption challenges and prospects in Ghana: Challenges and prospects of biogas adoption in Ghana. *International Journal of Energy and Water Resources*. https://doi.org/10.1007/s42108-025-00345-z
10. Jerome Dela Lavie, **Francis Kemausuor**, Kwabena Owusu-Osei, Philip Y. Laari (2025). Assessment and characterisation of refuse-derived fuel biochar briquettes. *Journal of the Ghana Institution of Engineering (JGhIE)*. https://doi.org/10.56049/jghie.v25i1.242
11. Mubarick Issahaku, Nana Sarfo Agyemang Derkyi, **Francis Kemausuor** (2025). Assessment of the biogas potential of a small-scale biodigester using ASPEN plus simulation. *Discover Energy*. https://doi.org/10.1007/s43937-025-00099-z
12. Yen Adams Sokama-Neuyam, Edmond Ankamah, Christabel Boatemaa Kusi, Prosper Dadzie, Franklin Baafi, Joseph Oppong Akowuah, **Francis Kemausuor** (2025). Campus as a Living Lab (CALL): empowering university campuses to lead Africa's decarbonisation efforts. *Journal of the Ghana Institution of Engineering (JGhIE)*. https://doi.org/10.56049/jghie.v25i1.304
13. Jerome Dela Lavie, **Francis Kemausuor**, Isaac Boye, Mathias Kwamena Anderson, Philip Yaro Laari, Ato Bart-Plange, Michael Kwesi Commeh (2025). Catalytic pyrolysis of refuse derived fuels with biomass-based and mineral catalysts. *Next Sustainability*. https://doi.org/10.1016/j.nxsust.2025.100177
14. Benjamin K. Kokloku, Johannes A.M. Awudza, Michael B. Mensah, Mizpah A.D. Rockson, **Francis Kemausuor** (2025). Characterization of Ghanaian clays as raw materials for the synthesis of ZSM-5 zeolite. *Scientific African*. https://doi.org/10.1016/j.sciaf.2025.e02570
15. Sylvester Mawusi, Prabin Shrestha, Daniel Nukpezah, **Francis Kemausuor** (2025). Clean cooking transition in Ghana: Challenges, opportunities, and strategic pathways for sustainable development. *Energy Sustainable Development/Energy for sustainable development*. https://doi.org/10.1016/j.esd.2025.101727
16. Theophilus Frimpong Adu, Lena Dzifa Mensah, Mizpah Ama Dziedzorm Rockson, **Francis Kemausuor** (2025). Decision support systems for waste-to-energy technologies: A systematic literature review of methods and future directions for sustainable implementation in Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2025.e42353
17. Jerome Dela Lavie, **Francis Kemausuor**, Philip Yaro Laari, Janet Akohene, Lydia Asante-Mensah, Randy Joshua Sefa, Williams Mbaa, Michael Kweku Commeh (2025). Effects of Pyrolytic Char as A Soil Amendment on Soil Properties and Plant Growth. *Journal of Science and Technology (Ghana)*. https://

doi.org/10.4314/just.v43i3.2

18. Ekua Afrakoma Armoo, Theophilus Baidoo, Mutala Mohammed, Francis Boateng Agyenim, **Francis Kemausuor**, Satyanarayana Narra (2025). Environmental Assessment of Hybrid Waste-to-Energy System in Ghana. *Energies*. https://doi.org/10.3390/en18030595
19. Theophilus Frimpong Adu, Lena Dzifa Mensah, Mizpah Ama Dziedzorm Rockson, **Francis Kemausuor** (2025). Forecasting municipal solid waste generation and composition using machine learning and GIS techniques: A case study of Cape Coast, Ghana. *Cleaner Waste Systems*. https://doi.org/10.1016/j.clwas.2025.100218
20. Akwasi Adu-Poku, Ivy Gladys Appiah, **Francis Kemausuor** (2025). Geographical Disparities in Energy Access: Challenges and Opportunities for Ghana's Energy Transition. *The Professional Geographer*. https://doi.org/10.1080/00330124.2025.2582789
21. I. K. Duah, C. K. K. Sekyere, **F. Kemausuor**, K. A. Amaning (2025). Micro hydropower research and practice over the last decade for advancing decentralized energy access. *Discover Sustainability*. https://doi.org/10.1007/s43621-025-02375-3
22. Theophilus Frimpong Adu, Emmanuel Papa Brew, Lena Dzifa Mensah, Mizpah Ama Dziedzorm Rockson, **Francis Kemausuor** (2025). Optimal siting of waste-to-energy facilities in cape coast metropolis using an integrated GIS-based MCDA and waste characterization approach. *Cleaner Waste Systems*. https://doi.org/10.1016/j.clwas.2025.100353
23. Yen A. Sokama-Neuyam, Emperor Amedeka, Emmanuel O. Ofori, Stephen Adjei, Patrick Boakye, Peter O. Tawiah, **Francis Kemausuor** (2025). Predictive Modelling of the Energy and Climate Cost of Ghana's Economic Growth. *Greenhouse Gases Science and Technology*. https://doi.org/10.1002/ghg.2373
24. Yen A. Sokama-Neuyam, Emperor Amedeka, David A. Quansah, Joseph O. Akowuah, Stephen Adjei, Patrick Boakye, Jonathan A. Quaye, Mustapha Abdul Hameed, Jonathan Narh-Dometey, **Francis Kemausuor** (2025). Probabilistic Assessment of Carbon Intensity in Selected Oil and Gas Fields in Ghana. *Greenhouse Gases Science and Technology*. https://doi.org/10.1002/ghg.2361
25. Francis Oppong, Xiaolu Li, Chen Yuan, Sven Eckart, Abdellatif M. Sadeq, **Francis Kemausuor**, Martinson A. Nartey, Xu Cangsu, Li Yuntang (2025). Recent developments on ethyl levulinate as a promising bio-based transportation fuel. *Biomass and Bioenergy*. https://doi.org/10.1016/j.biombioe.2025.107964
26. Shitong Yu, Zhitong Ge, Haowei Huang, Julian A. Steele, **Francis Kemausuor**, Emad M. Hafez, Obid Tursunov, Zhicheng Luo (2025). Sustainable production of C6 phenols from lignin via sequential CO and CC bond cleavage over Ni-MgO/hydroxyapatite catalyst. *Chemical Engineering Journal*. https://doi.org/10.1016/j.cej.2025.164669
27. **F Kemausuor**, A Adu-Poku (2025). The Role of Bioenergy in Achieving SDG 7 in Africa. *DOI: https://doi.org/10.17758/URUAE29. UA1125373*. https://uruae.org/siteadmin/upload/UA11253731.pdf
28. Theophilus Frimpong Adu, Lena Dzifa Mensah, Mizpah Ama Dziedzorm Rockson, **Francis Kemausuor** (2025). Trends and challenges in waste-to-energy technologies: A bibliometric analysis focused on developing countries. *Cleaner Waste Systems*. https://doi.org/10.1016/j.clwas.2025.100438
29. Jerry John Kponyo, **Francis Kemausuor**, Eric Tutu Tchao, Henry Nunoo-Mensah, Rachel Yayra Adjoe (2025). We need Afrocentric datasets for inclusive AI growth. *Nature Human Behaviour*. https://doi.org/10.1038/s41562-025-02140-6
30. Mubarick Issahaku, Nana Sarfo Agyemang Derkyi, **Francis Kemausuor** (2024). A systematic review of the design considerations for the operation and maintenance of small-scale biogas digesters. *Heliyon*. https://doi.org/10.1016/j.heliyon.2024.e24019
31. Ekua Afrakoma Armoo, Mutala Mohammed, Satyanarayana Narra, Essossinam Beguedou, Francis Boateng Agyenim, **Francis Kemausuor** (2024). Achieving Techno-Economic Feasibility for Hybrid Renewable Energy Systems through the Production of Energy and Alternative Fuels. *Energies*. https://doi.org/10.3390/en17030735
32. Julius Adinkrah, **Francis Kemausuor**, Eric Tutu Tchao, Henry Nunoo-Mensah, Andrew Selasi Agbemenu, Akwasi Adu-Poku, Jerry John Kponyo (2024). Artificial intelligence-based strategies for sustainable

energy planning and electricity demand estimation: A systematic review. *Renewable and Sustainable Energy Reviews*. https://doi.org/10.1016/j.rser.2024.115161

33. Chidiebele Uzoagba, Abdulhakeem Bello, Marzieh Kadivar, Edmund Okoroigwe, Uchechi S Ezealigo, Vitalis C Anye, **Francis Kemausuor**, Peter A Onwualu (2024). Bioenergy Potential Assessment of Crop Residue Biomass Resources in Africa Towards Circular Economy. *Cureus Journal of Engineering*.. https://doi.org/10.7759/1

34. Rejoice Ntiriwaa Ossei-Bremang, Fabian Eze, Kwame Anane-Fenin, **Francis Kemausuor** (2024). Choice modelling of eCooking adoption by households in Ghana. *International Journal of Sustainable Engineering*. https://doi.org/10.1080/19397038.2024.2327832

35. Gilbert Ayine Akolgo, **Francis Kemausuor**, Eric Osei Essandoh, Thomas Atta-Darkwa, Ato Bart-Plange, Claudia Maria Branco de Freitas Maia (2024). Design, fabrication and performance evaluation of a multi-feed gasifier stove for low income earners in Ghana. *Cogent Engineering*. https://doi.org/10.1080/23311916.2024.2366079

36. John Bosco Dramani, Kwame Ansere Ofori-Mensah, Nathaniel Oppong Otchere, Prince Boakye Frimpong, Akwasi Adu-Poku, **Francis Kemausuor**, Mashael Yazdanie (2024). Estimating and forecasting suppressed electricity demand in Ghana under climate change, the informal economy and sector inefficiencies. *Heliyon*. https://doi.org/10.1016/j.heliyon.2024.e36001

37. Ebenezer K. Siabi, Akwasi Adu-Poku, Nathaniel Oppong Otchere, Edward A. Awafo, Amos T. Kabo-bah, Nana S. A. Derkyi, Komlavi Akpoti, Geophrey K. Anornu, Eunice Akyereko Adjei, **Francis Kemausuor**, Mashael Yazdanie (2024). Flood risk assessment under the shared socioeconomic pathways: a case of electricity bulk supply points in Greater Accra, Ghana. *Discover Water*. https://doi.org/10.1007/s43832-024-00140-7

38. Ekua Afrakoma Armoo, Satyanarayana Narra, Mutala Mohammed, Belinda Boahemaa, Essossinam Beguedou, **Francis Kemausuor**, Francis Boateng Agyenim (2024). Hybrid Waste-to-Energy Solutions within a Circular Economy Framework Directed towards Sustainable Urban Waste Management in Ghana. *Sustainability*. https://doi.org/10.3390/su16124976

39. Akwasi Adu-Poku, Ebenezer K. Siabi, Nathaniel Oppong Otchere, Francis B. Effah, Edward A. Awafo, **Francis Kemausuor**, Mashael Yazdanie (2024). Impact of drought on hydropower generation in the Volta River basin and future projections under different climate and development pathways. *Energy and Climate Change*. https://doi.org/10.1016/j.egycc.2024.100169

40. Romain Akpahou, Lena D. Mensah, David A. Quansah, **Francis Kemausuor** (2024). Long-term energy demand modeling and optimal evaluation of solutions to renewable energy deployment barriers in Benin: A LEAP-MCDM approach. *Energy Reports*. https://doi.org/10.1016/j.egyr.2024.07.055

41. Romain Akpahou, Flavio Odoi-Yorke, Lena D. Mensah, David A. Quansah, **Francis Kemausuor** (2024). Strategizing towards sustainable energy planning: Modeling the mix of future generation technologies for 2050 in Benin. *Renewable and Sustainable Energy Transition*. https://doi.org/10.1016/j.rset.2024.100079

42. Chidiebele Uzoagba, Michael Mozie, Abdulhakeem Bello, Rejoice N. Ossei-Bremang, Edmund Okoroigwe, Marzieh Kadivar, Fayen Odette Ngasoh, Vitalis C. Anye, **Francis Kemausuor**, Peter Azikiwe Onwualu (2024). Valorization and optimization of Prosopis africana pod and cowpea husk wastes for densified hybrid briquette production. *Biofuels*. https://doi.org/10.1080/17597269.2024.2414150

43. R.N. Ossei-Bremang, E. Akyereko Adjei, **F. Kemausuor** (2023). A novel framework for the simultaneous assessment and uptake of clean cooking technologies by food processing enterprises. *Cleaner and Responsible Consumption*. https://doi.org/10.1016/j.clrc.2023.100141

44. A Addo, **F Kemausuor** (2023). Development of Integrated QFD/MCDM Framework for Optimal Selection of Gasifier Reactor for Crop Residue Gasification in Ghana. *Ghana Mining Journal*. https://journals.umat.edu.gh/index.php/gmj/article/view/674

45. R.N. Ossei-Bremang, E.A. Adjei, **F. Kemausuor**, T. Mockenhaupt, T. Bar-Nosber (2023). Effects of compression pressure, biomass ratio and binder proportion on the calorific value and mechanical integrity of waste-based briquettes. *Bioresource Technology Reports*. https://doi.org/10.1016/j.biteb.2023.101724

46. Patience Afi Seglah, Komikouma Apelike Wobuibe Neglo, Hongyan Wang, Dan Cudjoe, **Francis**

Kemausuor, Chunyu Gao, Yuyun Bi, Yajing Wang (2023). Electricity generation in Ghana: Evaluation of crop residues and the associated greenhouse gas mitigation potential. *Journal of Cleaner Production*. https://doi.org/10.1016/j.jclepro.2023.136340

47. Gilbert Ayine Akolgo, Felix Uba, Edward A. Awafo, Killian Asampana Asosega, **Francis Kemausuor**, Francis Kumi, Kofi Asamoah Adu-Poku (2023). Energy analysis for efficient mechanisation of palm oil extraction in Ghana: Targeting circular economy. *Energy Reports*. https://doi.org/10.1016/j.egyr.2023.11.018
48. Romain Akpahou, Lena D. Mensah, David A. Quansah, **Francis Kemausuor** (2023). Energy planning and modeling tools for sustainable development: A systematic literature review. *Energy Reports*. https://doi.org/10.1016/j.egyr.2023.11.043
49. **F Kemausuor** (2023). Integrated bioethanol and briquette recovery from rice husk: a biorefinery analysis. *Biomass Conversion and Biorefinery*.
50. Isaac Osei, Ahmad Addo, **Francis Kemausuor** (2023). Multi-level framework for optimal operation of gasifier system utilising crop residues from small and medium-scale farms. *Journal of the Ghana Institution of Engineering (JGhIE)*. https://doi.org/10.56049/jghie.v23i4.114
51. R.N. Ossei-Bremang, E.A. Adjei, **F. Kemausuor** (2023). Multivariate decisions: Modelling waste-based charcoal briquette formulation process. *Bioresource Technology Reports*. https://doi.org/10.1016/j.biteb.2023.101483
52. A Addo, **F Kemausuor** (2023). Optimal Design of Gasifier Reactor for Crop Residues Gasification Using Integrated MCDM Techniques/QFD Approach. *Ghana Mining Journal*. https://journals.umat.edu.gh/index.php/gmj/article/view/675
53. Isaac Osei, Ahmad Addo, **Francis Kemausuor** (2023). Optimal evaluation of crop residues for gasification in Ghana using integrated multi-criterial decision making techniques. *Heliyon*. https://doi.org/10.1016/j.heliyon.2023.e20553
54. Rejoice Ntiriwaa Ossei-Bremang, Eunice Akyereko Adjei, Thomas Mockenhaupt, Tobias Bar-Nosber, **Francis Kemausuor** (2023). Optimisation of Physio-chemical Properties of Blended Palm Kernel Shell and Decanter Cake Briquettes. *Materials Circular Economy*. https://doi.org/10.1007/s42824-023-00079-5
55. Kokouvi Edem N'TSOUKPOE, Sara Claude LEKOMBO, **Francis KEMAUSUOR**, Gaëlle Kafira KO, El Hadji Bamba DIAW (2023). Overview of solar thermal technology development and applications in West Africa: Focus on hot water and its applications. *Scientific African*. https://doi.org/10.1016/j.sciaf.2023.e01752
56. Akwasi Adu-Poku, God'sable Sitsofe Koku Aidam, Godfrey Atta Jackson, Kokouvi Edem N'tsoukpoe, Jerry John Kponyo, Adamah Messan, Ozioma Ikonne, Wofa Kwarteng, **Francis Kemausuor** (2023). Performance assessment and resilience of solar mini-grids for sustainable energy access in Ghana. *Energy*. https://doi.org/10.1016/j.energy.2023.129431
57. Rejoice Ntiriwaa Ossei-Bremang, Eunice Akyereko Adjei, **Francis Kemausuor**, Eric Kwesi Gyenin (2023). Promoting industrial symbiosis and circularisation by optimising waste-based briquette shelf life. *Discover Energy*. https://doi.org/10.1007/s43937-023-00020-6
58. Yacob Mulugetta, Youba Sokona, Philipp A. Trotter, Samuel Fankhauser, Jessica Omukuti, Lucas Somavilla Croxatto, Bjarne Steffen, Meron Tesfamichael, Edo Abraham, Jean-Paul Adam, … **Francis Kemausuor** and 43 others (2022). Africa needs context-relevant evidence to shape its clean energy future. *Nature Energy*. https://doi.org/10.1038/s41560-022-01152-0
59. Flavio Odoi-Yorke, Nicholas Abofra, **Francis Kemausuor** (2022). Decision-Making approach for evaluating suitable hybrid renewable energy system for SMEs in Ghana. *International Journal of Ambient Energy*. https://doi.org/10.1080/01430750.2022.2068068
60. Gilbert Kofi Selormey, Benedict Barnes, Edward A. Awafo, **Francis Kemausuor**, Lawrence Darkwah (2022). Development of mathematical model for predicting methane-to-carbon dioxide proportion in anaerobic biodegradability of cattle blood and rumen content. *Energy Conversion and Management X*. https://doi.org/10.1016/j.ecmx.2022.100250
61. Dramani Bukari, David A. Quansah, **Francis Kemausuor**, Muyiwa S. Adaramola (2022). Ex-post design, operations and financial cost-benefit analysis of mini-grids in Ghana: What can we learn? *Energy*

Sustainable Development/Energy for sustainable development. https://doi.org/10.1016/j.esd.2022.04.009

62. Philipp A. Trotter, Imran Mannan, Aoife Brophy, Delight Sedzro, Abdulmutalib Yussuff, **Francis Kemausuor**, Yacob Mulugetta (2022). How climate policies can translate to tangible change: Evidence from eleven low- and lower-middle income countries. *Journal of Cleaner Production*. https://doi.org/10.1016/j.jclepro.2022.131014

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64. Oriol Gavaldà, Arnau González, Mariana Raya, Matthew Owen, **Francis Kemausuor**, Pol Arranz-Piera (2022). Life Cycle Cost analysis for industrial bioenergy projects: Development of a simulation tool and application to three demand sectors in Africa. *Energy Reports*. https://doi.org/10.1016/j.egyr.2022.02.016

65. **F Kemausuor** (2022). Operation and Maintenance of Small-Scale Biogas Digesters: Scoping Review and Bibliometric Analysis of Literature. *Am. Acad. Sci. Res. J. Eng.* https://www.researchgate.net/profile/Mubarick-Issahaku/publication/363478137_Operation_and_Maintenance_of_Small-Scale_Biogas_Digesters_Scoping_Review_and_Bibliometric_Analysis_of_Literature/links/636e87292f4bca7fd05097db/Operation-and-Maintenance-of-Small-Scale-Biogas-Digesters-Scoping-Review-and-Bibliometric-Analysis-of-Literature.pdf

66. Uchechukwu Stella Ezealigo, Blessing Nonye Ezealigo, Marta González Plaza, Ebubechukwu Nnamdi Dim, **Francis Kemausuor**, Luke Ekem Kweku Achenie, Azikiwe Peter Onwualu (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

67. Mubarick Issahaku, **Francis Kemausuor** (2022). Techno-economic comparison of standalone solar PV and hybrid power systems for remote outdoor telecommunication sites in northern Ghana. *Ghana Journal of Science Technology and Development*. https://doi.org/10.47881/371.967x

68. R. N. Ossei-Bremang, **F. Kemausuor** (2021). A decision support system for the selection of sustainable biomass resources for bioenergy production. *Environment Systems & Decisions*. https://doi.org/10.1007/s10669-021-09810-6

69. Gilbert Kofi Selormey, Benedict Barnes, **Francis Kemausuor**, Lawrence Darkwah (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

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73. Louis Azaare, Michael Kweku Commeh, Aidan Mark Smith, **Francis Kemausuor** (2021). Co-hydrothermal carbonization of pineapple and watermelon peels: Effects of process parameters on hydrochar yield and energy content. *Bioresource Technology Reports*. https://doi.org/10.1016/j.biteb.2021.100720

74. Isaac Osei, Ahmad Addo, **Francis Kemausuor** (2021). Crop Residues Utilisation for Renewable Energy Generation in Ghana: Review of Feedstocks Assessment Approach, Conversion Technologies and Challenges.

75. Felix Offei, Lilian D. Koranteng, **Francis Kemausuor** (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

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