

Prof. Dr. Kerstin Wydra: Publications

Part 1: Peer-reviewed, international journal articles

Part 2: Book Chapters, Reports/Studies

Part 3: Monographs

Part 4: Conference Papers

Part 1: Peer-reviewed, international journal articles

Denis Nsubuga, Isa Kabenge, Ahamada Zziwa, Allan J. Komakech, Kevin G. Harding and **Kerstin D. Wydra**. Life Cycle Assessment of Anaerobic digestion and Slow pyrolysis as strategies for management of agricultural waste.: A review. In submission.

Mibulo T., Kabenge I., Banadda N. and **Wydra, K.** (2021). Characterization of briquettes developed from banana peels, pineapple peels and water hyacinth. In submission.

Denis Nsubuga, Mibula Tadeo., Ahamada Zziwa, Isa Kabenge, Noble Banadda and **Kerstin D. Wydra** (2022). Anaerobic co-digestion of jackfruit waste with cow dung and poultry droppings: Assessment of biogas production and agricultural re-use potential of the digestates. *Environmental Science and Pollution Research*. Under review

Ulmer, N., Divine, N., **Wydra, K.** 2023. Lost in translation? Tanzanian students' views on sustainability and language, and the implications for the pledge to leave no one behind. *International Journal of Sustainability in Higher Education*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/IJSHE-09-2022-0287>

Nsubuga D., Mibulo T., Zziwa A., Kabenge I., Banadda N. and **Wydra, K.** 2023. Assessment of agricultural re-use potential of digestates from anaerobic co-digestion of jackfruit waste with cow dung and poultry droppings. Under review in the *Journal of Biomass conversion and Biorefinery*.

Ulmer, N., **Wydra, K.** 2022. The connection of education for sustainable development and language in African educational institutions – a Systematic literature review. *Journal of Contemporary Issues in Education 17 (1)*, <https://doi.org/10.20355/jcie29484>

Nsubuga D., Mibulo T., Zziwa A., Kabenge I., Banadda N. and **Wydra, K.** 2023. Assessment of agricultural re-use potential of digestates from anaerobic co-digestion of jackfruit waste with cow dung and poultry droppings. Under review in the *Journal of Biomass conversion and Biorefinery*.

Agnassim Banito, Essotina Kossi Kpémoua, Ekanao Tedihou, Badating Bissang and **Kerstin Wydra** 2022. Evaluation of *Xanthomonas campestris* pv. *axonopodis* population in infected stems of cassava varieties and the impact on new sprouts. *Int. J. Adv. Res.* 10(09), 39-44. DOI: 10.21474/IJAR01/15319 DOI URL: <http://dx.doi.org/10.21474/IJAR01/15319>

Agnassim Banito, Essotina Kossi Kpémoua, Ekanao Tedihou and **Kerstin Wydra** 2022. Effect of intercropping on cassava bacterial blight caused by *Xanthomonas axonopodis* pv. *manihotis* in Togo *Journal of Agricultural Science* Vol. 10(4), pp. 66-71, October 2022 DOI: 10.30918/NJAS.104.22.021

Mibulo T., Kabenge I., Kiggundu N. and **Wydra, K.** (2021). Comparative study of biogas production from jackfruit waste, banana peels, and pineapple peels co-digested with cow dung. *Journal of Sustainable Bioenergy Systems*, Vol.13 No.1,

<https://www.scirp.org/journal/JSBS/>.

- Nsubuga, D., Kabenge, I., Zziwa, A., Yiga, V.A., Mpendo, Y., Harbert, M., Kizza, R., Banadda, N., Wydra, K. 2023. Optimization of adsorbent dose and contact time for the production of jackfruit waste nutrient-enriched biochar. Vol.:(0123456789)1,3 *Waste Disposal & Sustainable Energy*. <https://doi.org/10.1007/s42768-022-00123-1>
- Nsubuga, D., Kabenge, I., Banadda, N., **Wydra, K.** 2021. Potential of jackfruit waste as anaerobic digestion and slow pyrolysis feedstock. *Journal of Biosystems Engineering*. <https://doi.org/10.1007/s42853-021-00096-9>
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- Ulmer, N., **Wydra, K.** 2019. Sustainability in African Higher Education Institutions (HEIs): Shifting the focus from researching the gaps to existing activities. *International Journal of Sustainability in Higher Education*. <https://www.emerald.com/insight/content/doi/10.1108/IJSHE-03-2019-0106/full/html?skipTracking=true>
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Part 2: Book chapters, Reports/Studies

- Wydra, K.**, Vera Vollmer, Sabine Schmidt, Susann Prichta, Rahel Kunze, Hubert Aulich 2022. Potential der Agri-Photovoltaik in Thüringen. Funded by Thüringen Ministry of Environment and Energy (TMUEN). <https://www.fh-erfurt.de/fileadmin/Dokumente/Personen/LGF/Wydra/APV-Studie.pdf>
- Onaga, G., **K. Wydra** 2021: Recent understanding on molecular mechanisms of plant abiotic stress response and tolerance. In: Molecular Breeding in Wheat, Maize and Sorghum: Strategies for Improving Abiotic Stress Tolerance and Yield. M. Anwar et al. (eds.). CABI Publishing. Pp. 1-23
- Wydra, K.** 2019: Transformation of economy and society towards sustainability in MENA and Sub-Sahara Africa: concepts for education, research and implementation networks. Proceedings of the Third International Conference on Solar Energy Solutions for Electricity and Water Supply in Rural Areas. 7th-10th of October 2018, The American University in Cairo, Cairo. 19 pages
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