

Prof. Dr. Kerstin Wydra: Publications

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Part 4: Conference Papers (pages 8-12)

Part 1: Peer-reviewed, international journal articles

- Nsubuga, D., Banadda, N., Kabenge, I., **Wydra, K.** 2020. Potential of jackfruit waste for biogas, briquettes and as a Carbondioxide sink - a review. *Journal of Sustainable Development* 13: 60-75
- Wydra, K.**, Fatima, T., Jaskolski, T., Tzoupanos, N. 2019. Solar Energy Solutions for Electricity and Water Supply in Rural Areas. Editorial. *Journal of Photonics for Energy* 9 (4). Guest editorial. <https://www.spiedigitallibrary.org/journals/journal-of-photonics-for-energy/volume-9/issue-04?SSO=1>
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- Wydra, K.**, Becker, P, Aulich, H. 2019. Sustainable solutions for solar energy driven drinking water supply for rural settings in Sub-Saharan Africa: a case study of Nigeria. *Journal of Photonics for Energy* 9 (4). 043106 . <https://doi.org/10.1117/1.JPE.9.043106>
- Wydra, K.**, Jaskolski, M., Wagner, L. Mohamed, E. Sh. 2019. Nexus approach to solar technology for energy and water supply for sustainable rural development in Egypt: a review. *Journal of Photonics for Energy* 9 (4), 043108, <https://doi.org/10.1117/1.JPE.9.043108>
- Dossa, G.S., Quibod' I., Atienza-Grande' G., Oliva' R., Maiss' E., Vera Cruz' C., **Wydra, K.** 2019. Transcriptome profile reveals insight in rice IRBB67 homeostasis for better response to combined high temperature and bacterial blight. *Scientific Reports* 10, 683 <https://europepmc.org/article/med/31959799>
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- Zinsou, V.A., Afouda, L.A.C., Ahohuendo, B.C., **Wydra, K.** 2017. Importance of fungal root rot pathogens of cassava in Benin. *Pak. J. Bot.*, 49 : 2023-2028
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- Dossa, G.S., Torres, R., Henry, A., Oliva, R., Maiss, E., Vera Cruz, C., **Wydra, K.** 2017. Rice response to simultaneous bacterial blight and drought stress during compatible and incompatible interactions. *European Journal of Plant Pathol* 147: 115-127
- Onaga, G., **Wydra, K.**, Koopmann, B., Chebotarov, D., Séré, Y., von Tiedemann, A. 2017. Elevated temperature increases in planta expression levels of virulence related genes in *Magnaporthe oryzae* and compromises resistance in *Oryza sativa* cv. Nipponbare. *Functional Plant Biology*, <http://dx.doi.org/10.1071/FP16151>
- Onaga, G., **Wydra, K.**, Koopmann, B., Séré, Y., von Tiedemann, A. 2017. High temperature effects on Pi54 conferred resistance to *Magnaporthe oryzae* in two genetic backgrounds of *Oryza sativa*. *Journal of Plant Physiology* 212: 80–93
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- Fanou, A.A., **Wydra, K.** 2015. Physical and chemical treatments for the control of *Xanthomonas axonopodis* pv. *manihotis* in cassava seeds. *Journal of Experimental Biology and Agriculture* 3: 54-59
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- Ayana, G., Fininsa, C. Seid Ahmed, S. **Wydra, K.** 2011. Effects of soil amendment on bacterial wilt caused by *Ralstonia solanacearum* and tomato yields in Ethiopia. *Journal of Plant Protection Research* 51: 71-75
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Part 2: Book chapters

- 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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- Wydra, K.** 2011. Consultation on Land Tenure and International Investments in Agriculture. Proceedings No. 66. Committee on World Food Security. High Level Panel of Experts, pp. 74-80. (http://typo3.fao.org/fileadmin/user_upload/fsn/docs/HLPE/PROCEEDINGS_Land_tenure.pdf)

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Part 3: Monographs

- Wydra, K.** 2004. Development of integrated control of bacterial diseases of cassava, cowpea and tomato. Habilitation thesis. Faculty of Horticulture, University of Hannover. 478 pages
- Wydra, K.** 1992. Analysis of toxic extracellular polysaccharides. MSc thesis. Institute of Plant Pathology and Plant Protection, Faculty of Agricultural Sciences, University of Göttingen
- Wydra, K.** 1991. Interaktionen zwischen Zellwandpolymeren von Bohnenpflanzen und Zellen von *Pseudomonas syringae* pv. *phaseolicola* sowie deren extrazellulären, polymeren Produkten. PhD thesis. Institute of Plant Pathology and Plant Protection, Faculty of Agricultural Sciences, University of Göttingen
- Wydra, K.** 1985. Untersuchungen zur P-Effizienz tropischer Futterleguminosen. Diploma thesis. Institute of Agricultural Chemistry, Fac. Agriculture, University of Göttingen.

Part 5: Conference Papers (non-refereed, selection)

- Karl, L., **Wydra, K.** 2019. KlimaGaLa – Verbundprojekt ‚Berufsbegleitende Weiterbildung zur Anpassung an die Folgen des Klimawandels und zum Klimaschutz für Akteure in den Fachbereichen Landschaftsarchitektur, Garten- und Landschaftsbau sowie Produktionsgartenbau‘. Vorstellung bei diversen Workshops. <https://www.gruen-ist-leben.de/detail/klimagalala-verbundprojekt-zur-entwicklung-einer-berufsbegleitenden-weiterbildung-zur-anpassung-an-d/>
- Onaga, G., **Wydra, K.**, Koopmann, B., von Tiedemann A. 2014. High temperature induced changes in the rice transcriptome under infection with *Magnaporthe oryzae*. 59. Deutsche Pflanzenschutztagung, 23.-26. September 2014, Freiburg. Kurzfassungen der Beiträge, Julius-Kühn-Archiv 447, S.490.
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