William C. D. Nelson, Dr.

Year of Birth: 1984, Gender: Male, Nationality: British

Department of Crop Sciences, Faculty of Agricultural Sciences, Georg-August-Universität Göttingen

Curriculum Vitae

Academic Education

2009 – 2011	MSc in International Sustainable Agriculture, specialisation: Tropical Agriculture
2006 – 2009	KVL, Copenhagen University, Department of LIFE Sciences
2003 – 2006	BSc in Political Science with a minor in Social Policy, Loughborough University, England

Professional Career

Since 2019	Postdoctoral appointment Synthesis work package of the SALLnet project, Limpopo, South Africa, funded by BMBF, Topical Plant Production and Agricultural Systems Modelling (TROPAGS), Faculty of Agricultural Sciences, Georg-August-University Göttingen
2015 – 2018	Ph.D. candidate: Cropping systems modelling, Tropical Plant Production and Agricultural Systems Modelling (TROPAGS), Faculty of Agricultural Sciences, Georg-August-University Göttingen
2012 – 2014	Agricultural advisor. International Training and Support GmbH (ITS), Bremen, Germany
2011 – 2012	Visiting scientist, ILRI, Nairobi, Kenya
2008 – 2011	Food security research assistant, Oxfam GB

Research Interests

Food security; Investigating resource competition in cereal-legume intercropping systems (PhD topic); Field experimentation and crop model improvement; Linking remote sensing and empirical field data for the mapping and modelling of agroecosystems.

Publications

1. Streit, J., Meinen, C., **Nelson, W.C.D.**, Siebrecht-Schöll, D., Rauber, R. (2018). Above- and belowground biomass in a mixed cropping system with eight novel winter faba bean genotypes and winter wheat using FTIR spectroscopy for root species discrimination. Plant and Soil. DOI: 10.1007/s11104-018-03904-y
2. **W.C.D. Nelson**, M.P. Hoffmann, V. Vadez, R.P. Rötter, A.M. Whitbread (2018). Testing pearl millet and cowpea intercropping systems under high temperatures. F. Crop. Res. 217, 150-166. DOI: 10.1016/j.fcr.2017.12.014
3. Kaufmann, B., **Nelson, W.**, Gudere, R., Canger, V., Golicha, D., Frank, M., Roba, H., Mwai, O., and Hülsebusch, C. (2012): Identifying local innovations in pastoral areas in Marsabit County, Kenya. German Institute for Tropical and Subtropical Agriculture (DITSL), Witzenhausen, Germany, ISBN: 978-3-9801686-9-4
4. Golicha, D., **Nelson, W.**, Canger, V., Gudere, R., Kaufmann, B. (2012): Guide to conduct pastoralists innovations exchange sessions. Report. Kenya Agricultural Research Institute (KARI), Marsabit Research Centre, P.O Box 147-60500, Marsabit, Kenya

Conference Contributions

1. 3rd Agriculture and Climate Change Conference, Budapest, Hungary 24 – 26 March 2019. Poster: **W.C.D. Nelson**, M.P. Hoffmann, V. Vadez, R.P. Rötter, Koch, M., A.M. Whitbread, 2019. Crop model based exploration of the mechanisms underlying pearl millet-cowpea intercropping performance as impacts by irrigation
2. 2nd Agriculture and Climate Change Conference, Sitges, Spain 26 – 28 March 2017. Poster: **W.C.D. Nelson**, M.P.Hoffmann, V. Vadez, R.P. Rötter, A.M. Whitbread, 2017. Performance of pearl millet and cowpea intercropping systems under extreme climatic conditions in Telangana, India
3. Tropentag 2011. Poster: Diogo, R., **Nelson, W.**, Han, E. S., Rukazambuga, D., Buerkert, A., 2011. Degraded land rehabilitation of coltan mining sites in western Rwanda with local organic materials. Organic Plant Production and Agroecosystem Research in the Tropics and Subtropics, University of Kassel, Witzenhausen, Germany

References

1. Prof. Dr. Anthony Whitbread, Research Program Director, Resilient Dryland Systems – International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) a.whitbread@cgiar.org
2. Prof. Dr. Reimund Rötter, Chair and Head of the working group Topical Plant Production and Agricultural Systems Modelling (TROPAGS), Georg-August-Universität Göttingen rroette@gwdg.de