

Gennady Bracho Mujica

Year of Birth: 1981, Gender: Female, Nationality: Venezuelan

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

Curriculum Vitae

Academic Education

2013 – 2018 Ph.D. in Sciences, The University of Adelaide, Australia

2006 – 2009 M.Sc., Agricultural Engineering, Universidad Central de Venezuela, Venezuela

1999 – 2005 B.Sc. Hons, Agricultural Engineering, Universidad Central de Venezuela, Venezuela

Professional Career

Since 8/2018 Postdoctoral researcher, Tropical Plant Production and Agricultural Systems Modelling (TROPAGS), Faculty of Agricultural Sciences, Georg-August-University Göttingen

2013 – 2017 Researcher, Spatial Information Group, School of Biological Sciences, The University of Adelaide, Australia

2006 – 2018 Lecturer and researcher, Agroclimatology, Universidad Central de Venezuela, Venezuela

2005 Climate information analyst

2001 – 2005 Teaching assistant, Agroclimatology, Universidad Central de Venezuela, Venezuela

Fellowships, Awards, and Honours

2013 – 2018 Ph.D. scholarship, Australia Awards

2002 – 2004 B.Sc. scholarship, Fundayacucho Awards

Professional Activities

Since 2018 Referee for the International Journals: Crop & Pasture, and Field Crops Research

Research Interests

My current research interest is on understanding and quantifying climate risk in agricultural systems. This include: the use of process-based crop models to explore the impacts of extreme weather events on crop productivity and farm management, the development of tools aimed to reduce climate uncertainty and supporting decision-making in agriculture. I am also interested in quantification of agro-climate risks and their effects in tropical and sub-tropical agricultural lands with limited access to high-quality environmental data.

Publications

1. **Bracho-Mujica G.**, Hayman P. T. & Ostendorf B. 2019, *Modelling long-term risk profiles of wheat grain yield with limited climate data*, Agricultural Systems (173): 393-402. DOI: <https://doi.org/10.1016/j.agsy.2019.03.010>
2. **Bracho-Mujica G.**, Hayman P. T., Sadras V. O. & Ostendorf B. 2019, *Simple scaling of climate inputs allows robust extrapolation of modelled wheat yield risk at a continental scale*, Climate Risk Management (23): 101-113. DOI: <https://doi.org/10.1016/j.crm.2018.11.002>

3. Lobo, D., Verbist, K., Gabriels, D., Puche, M., **Bracho, G.**, Soto, G., & Santibañez, F. 2012, *Zonation of hydric regimens in Venezuela based on rainfall characteristics*, EGU General Assembly Conference Abstracts, vol. 14, p. 378.
4. **Bracho-Mujica, G**, 2010, *Estimation of global solar radiation in Venezuela*, Master's Thesis, Agricultural Engineering degree, Faculty of Agronomy, The Central University of Venezuela, Maracay.
5. **Bracho-Mujica, G** 2005, *Characterisation of the thermal regime of the experimental stations of the Faculty of Agronomy*, Honours thesis, Faculty of Agronomy, The Central University of Venezuela, Maracay.