

Moreen Willaredt

Curriculum Vitae

Personal Data

Name Moreen Willaredt
Date of Birth 15.09.1988
Nationality German

Contact

Technische Universität Berlin
Institute of Ecology
Dept. Ecohydrology and Landscape Evaluation, Sek. BH-8-1
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Education and Qualifications

- since October 2016 **PhD cand.**, Technische Universität Berlin, BIMoS - Berlin international Graduate School on Model and Simulation based Research.
Dept. of Ecohydrology and Landscape Evaluation, Research Topic: Modelling Hydraulic Properties of Soil-like Substrates Upcycled from Urban Waste Material
- 2013 – 2016 **MSc, *Urban Ecosystem Science***, Technische Universität Berlin.
Institute of Ecology, Thesis (Dept. of Soil Conservation): Testing artificial soil-like substrates in a plant pot experiment (*Lolium perenne*)
- 2011 – 2013 **Master Course, *Renewable Energy Systems***, Technische Universität Berlin.
selected courses studied, related to environmental impacts and sustainability
- 2012 **Semester Abroad**, Universidade Federal de Pernambuco, Recife, Brazil.
Centro de Tecnologia e Geosciencias, Energy Engineering
- 2008 – 2012 **BSc, *Energy & Process Engineering***, Technische Universität Berlin.
Thesis: Modelling and Simulating a solid high Temperature Heat Storage Unit, made from Salt, for Solar Thermal Power Plants

Professional Appointments

- since 2016 Doctoral Candidate at Department Ecohydrology and Landscape evaluation at Technical University Berlin
- 2015 – 2016 Student Employee and Tutor at Department for Soil Protection at Technical University Berlin

Publications

Peer-reviewed

- 2020 Willaredt, M & Nehls, T. 2020. Investigation of water retention functions of artificial soil-like substrates for a range of mixing ratios of two components. *Soils ad Sediments*. 1-12.
- 2020 Ulrich, S.; Willaredt, M.; Nehls, T. & van Schaik, L., (2020). Do earthworms (*D. veneta*) influence plant-available water in technogenic soil-like substrate from bricks and compost?. *Soils ad Sediments*. 1-12.

Fellowships, Fundings

- 2016 PhD-Fellowship Berlin International Graduate School in Model and Simulation based Research (BIMoS) at *Technische Universität Berlin*
- 2015 Grant for Attica Training School Urban Agriculture in Athens awarded by COST Action Urban Agriculture Europe
- 2015 Grant for Short Term Scientific Mission awarded by COST Action Urban Agriculture Europe
- 2012 PROMOS grant for studying at UFPE (Universidade Federal de Pernambuco), Recife, Brasil

Workshops & Courses

- 2019 HYDRUS and HP1 course/workshop, Prague, Czech Republic
- 2018 International Project Workshop „Optimierung von Erdbauwerken: Material, Modellierung, Vegetation & Technik“, *University of Applied Science Zittau/Görlitz*
- 2016 Summer School on Flow and Transport in Terrestrial Systems, *TU Clausthal*, Germany
- 2015 Attica Training School Urban Agriculture, *Agricultural University of Athens*, Greece

Professional societies

DBG Member of German Soil Science Association