

MARCO HARTL

Date & place of birth	7th of June 1987, Schladming, Austria
Citizenship	Austria
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Main Research Interests

- Ecological engineering; constructed wetlands and bioelectrochemical systems
- Sustainable sanitation; especially source separation and compost toilets
- Biogeochemical cycles; soil, water and environmental sciences in general

Academic Experience

PhD	
10/2016 – present	Universitat Politècnica de Catalunya. BarcelonaTech, Spain (UPC) and Ghent University, Belgium (UGent) Joint doctorate programme “Sustainable Product, Energy and Resource Recovery from Wastewater” (SuPER-W) Thesis: “Coupling bioelectrochemical systems and phytotechnologies for wastewater treatment used in rural areas towards recovery of (micro)nutrients & water reuse”
Additional Courses	
10/2015	Aarhus University (AU) PhD course: “Constructed Wetlands for Water Pollution Control”
MSc	
10/2011 – 03/2014	University of Natural Resources and Life Sciences, Vienna (BOKU) And Lincoln University, New Zealand (LU) International Joint Master (whole program in English): Natural Resources Management and Ecological Engineering (NARMEE) Thesis: „Performance of a two-stage constructed wetland in the alpine region of Austria under peak loads”
BSc	
10/2007 – 07/2011	University of Natural Resources and Life Sciences, Vienna (BOKU) Bachelor program: Environment and Bio-Resources Management Thesis: “Pathways and data availability of selected water-relevant substances” (in German)
01/2010 – 06/2010	Norwegian University of Life Sciences (NMBU) ERASMUS exchange semester

List of Publications

Conference paper

Stefanakis A., Prigent S., Hartl M., Warnt-Murray M. and Headley T. (2016) *Growth characteristics of five plant species in Surface Flow Constructed Wetlands treating produced water from an oil field*. IWA Specialist Conference on Wetland Systems for Water Pollution Control, At Gdansk, Poland, Volume: II.

Internet publication without peer review process

Hartl M. (2014) *Performance of a two-stage constructed wetland in the alpine region of Austria under peak loads*. Master thesis. University of Natural Resources and Life Sciences (BOKU), Vienna.

Work Experience

03/2016 – 08/2016	<p>BIOTOP Landscape Design Ecological Engineer, full-time, Vienna Consultation of international partners on ecological, hydraulic and technical matters regarding BIOTOP (chlorine- and chemical-free) swimming ponds and natural pools, as well as:</p> <ul style="list-style-type: none"> • Project planning and drawing (AutoCAD 2D) • Analysis of water and substrate samples with following interpretation • R&D, e.g. column filtration tests for water quality improvement
11/2014 – 02/2016	<p>BAUER Constructed Wetland Competence Centre Wetland Engineer, full-time, Sultanate of Oman Project and research coordinator investigating effects of polymer (HPAM) contaminated produced water on five different wetland plant species in a pilot-scale surface flow treatment wetland system. In general:</p> <ul style="list-style-type: none"> • Supervision of final construction works at the research facility • Coordination and planning of operation and monitoring • Sampling, laboratory analysis and data preparation as well as reporting to the BAUER management and the project's client • General environmental monitoring at the Nimr water treatment plant's large-scale surface flow constructed wetland (area of 350ha)
02/2014 – 04/2014	<p>GLOBAL 2000 – Friends of the Earth Austria Sustainability Team, internship Ecological auditing for agricultural products</p>
08/2012 – 09/2012	<p>Kommunalkredit Public Consulting Department of Climate and Environment, internship Pre-audit of grant applications and evaluation of funding rates</p>
04/2011 – 06/2011	<p>GLOBAL 2000 – Friends of the Earth Austria Campaigning Team, internship Research on thermal rehabilitation and climate protection law in Austria</p>
08/2010 – 09/2010 08/2009 – 09/2009	<p>via donau – Austrian Waterway Company Team Development and Infrastructure, internships Investigation on effects of climate change on inland navigation</p>

Languages

German	Mother tongue
English	Full working competency
Spanish	Basic knowledge