





Urška Zadel




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 Not married, no children

 Schachtelhalmweg 2, 70599 Stuttgart, Germany



05/2021-12/2021

Researcher; Microbial Phytate Degradation in Chicken Gastrointestinal Tract
Department of Functional Microbiology of Livestock, University of Hohenheim, Germany

- Identification of microorganisms and enzymes involved in phytate degradation
- Method development for detection of microbial phytases (PCR, qPCR)

02/2019-04/2021

Doctoral Thesis

- Doctoral thesis and scientific publication
- German language course

04/2015-01/2019

Researcher; Bacteria with Plant Growth-Related Properties in Phytoremediation of Heavy Metal Polluted Sites
Research Unit Comparative Microbiome Analysis, Helmholtz Zentrum München, Germany

- Minimum Inhibitory Concentration (MIC) analysis (metals, antibiotics)
- Soil physico-chemical analysis
- Design and performance of greenhouse pot experiments with heavy metals
- Data analysis: R, QIIME, QuantAnalysis
- Root exudates extraction and composition analysis
- DNA and RNA extraction, library preparation
- Bacterial 16S rRNA gene amplicon sequencing
- Transcriptomics
- Bacteria culturing and preservation

05/2013-11/2013

Intern; Microbial Communities in Metal-Contaminated Soil
Research Unit Comparative Microbiome Analysis, Helmholtz Zentrum München, Germany

- Soil remediation using EDTA
- Design of a microcosm experiment
- Enzyme activity assay
- T-RFLP analysis for bacteria, fungi and archaea
- Microbial biomass determination
- Soil physico-chemical analysis, Tessier sequential extractions

10/2011-06/2012

Student Assistant in Cell Laboratory
Biotechnical Faculty, Chair of Animal Science, University of Ljubljana, Slovenia

- Dot Immunobinding Assay (DIBA)
- Enzyme-Linked Immunosorbent Assay (ELISA)



Speech Data Specialist & Evaluator on Technology Development Project
07/2014–08/2014

Google Slovakia, Slovenia
Collection and evaluation of speech samples

Host at Registration Desk
06/2008-06/2011

Karst Research Institute, Slovenia
Host and administrative support at International Karstological School

Diet design, Internship
08/2009

Nursing Home Ilirska Bistrica, Slovenia
Diet design and monitoring of critical control points

Survey Specialist for Customer Profiles
06/2008

Valicon, Slovenia
Collection of survey data

EDUCATION



present

2015-

Doctoral Candidate

Technische Universität München and
Research Unit Comparative Microbiome Analysis, Helmholtz Zentrum München, Germany

2011-16

Master of Science in Biotechnology

Biotechnical Faculty, University of Ljubljana, Slovenia
Thesis: Microbial Community Structure and Model Organic Matter Mineralization After
Remediation of Metal Contaminated Soil

2007-11

Bachelor of Science in Food Science and Nutrition

Biotechnical Faculty, University of Ljubljana, Slovenia

2003-07

High School

Škofijska gimnazija Vipava, Slovenia

LANGUAGES

**Slovenian** Native speaker**English** Excellent command (C1)**German** Good command (B1)**Croatian** Good command (A2/B1)**Spanish** Beginner (A1)

AWARDS

**The best poster presentation award, 1st place**

6th International Symposium on Biosorption
and Biodegradation/Bioremediation, BioBio,
Prague, Czech Republic, 2017

SKILLS & COMPETENCIES



- Molecular biology
- Bacterial communities analyses
- Plant growth promoting bacteria
- Data analysis
- Laboratory work
- Computer skills: R, QIIME, QuantAnalysis, Sigma Plot, MS Office
- Organisational skills
- Critical thinking
- Attention to detail
- Creativity
- Teamwork & collaboration
- Writing and oral communication skills
- Volunteer experience

INTERESTS



Sustainability

Sustainable
agriculture

Green energy

Recycling
loopsBio-based
chemicals &
materials