

Dr Milan Župunski

Work address

Heinrich Heine University
 Institute of Cell and Interaction Biology
 Universitätstrasse 1
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Date and place of birth

December 4th, 1986, Ruma, Republic of Serbia

Assignments

Nov 2021 - Present

Postdoc in the Group of Prof. Dr. Guido Grossmann,
 Heinrich Heine University, Düsseldorf, Germany

2020 - Present

Dozent (Assistant Professor), Faculty of Science,
 University of Novi Sad, Republic of Serbia (on leave)

Previous assignments

01.07.2012. – 31.12.2013.

Research trainee, Faculty of Science, University of
 Novi Sad, Republic of Serbia

01.01.2014. – 31.12.2016.

Teaching assistant, Faculty of Science, University of
 Novi Sad, Republic of Serbia

01.01.2017. – 31.12.2019.

Teaching assistant, Faculty of Science, University of
 Novi Sad, Republic of Serbia

Fellowships/Research visits

01.01.2019. – 30.04.2019.

01.11.2019. – 07.03.2020.

Guest Scientist in the Group of Dr. Guido
 Grossmann, Centre for Organismal Studies,
 University of Heidelberg, Germany: calcium
 signaling in plant-environment interactions (8
 months and 7 days in total).

Dissertation

2010 - 2017

Dissertation at the University of Novi Sad, under
 mentorship of Prof. Dr Milan Borišev
 "Potential of black locust (*Robinia pseudoacacia* L. 1753)
 in phytoextraction of Cd, Ni and Pb"
 Grade: 9.50 (out of 10 max)

Tertiary education

2005 - 2009

University of Novi Sad, Faculty of Science, Diploma
 in Biology

2009 - 2010

University of Novi Sad, Faculty of Science, Master in
 Biology

Skills

Molecular biology and biochemistry assays;
 Microscopy: fluorescence microscopy
 (epifluorescent and spinning-disk confocal);
 Image analysis in FIJI;

Skills (continued)

Programming language:

R

EDA tools: tidyverse

Dataviz tools: ggplot2

Programmatic reporting: RMarkdown

Exploratory and inferential statistical methods, ML (random forest), multivariate analyses, RNA-seq workflow (DESeq3, edgeR, limma).

Python

matplotlib

pandas

RNAseq analysis

Awards and Grants

An awardee of the Travelling Fellowship granted by The Company of Biologists/J. Cell Science (1901.00 EUR): research visit to Dr G. Grossmann Lab, University of Heidelberg, Germany; Oct-Dec 2019

Teaching

2012 - 2021

Teaching assistant/Dozent at University of Novi Sad, Faculty of Science, Department of biology and ecology:

Plant physiology courses for undergraduate students (lectures, course supervision, and exams)

2019

University of Heidelberg, Germany, HBIGS Core Course "Principal component analysis in Biosciences" (16 hours of teaching; 0.5 credit points)

Scientific outreach

2011-2019 Workshops for science promotion at "Night of Biology" (yearly)

Referee activity

Journals:


Ecotox Environ Safe,
J Soils Sediments,
Int J Phytoremediat,
Photosynthetica
Food Chemistry

Funding Agencies:

NCN, Poland (full length proposal)

Memberships

Serbian Society for Plant Physiology (SPPS), The Federation of European Societies of Plant Biologists (FESPB), Society for Experimental Biology (SEB), Deutsche Botanische Gesellschaft (DBG).



Novi Sad, April 20th 2022

(Milan Župunski)

References

Prof. Dr **Milan Borišev** (PhD supervisor)
University of Novi Sad
Faculty of Sciences
Department of Biology and Ecology
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21000 Novi Sad, R. of Serbia
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Prof. Dr **Guido Grossmann** (Postdoc Advisor)
Heisenberg Professor
Heinrich-Heine-Universität Düsseldorf
Institute of Cell and Interaction Biology
Geb. 26.44 U1
Universitätsstraße 1
40225 Düsseldorf
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Prof. Dr **Ivana Maksimović** (Advisor/Collaborator)
University of Novi Sad
Faculty of Agriculture
Department of Field and Vegetable Crops
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