

Dr Milan Župunski

Work address

Institute of Science and Technology
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Date and place of birth

December 4th, 1986, Ruma, Republic of Serbia

Assignments

01.10.2025 - present

Researcher, Group of Prof. Dr. Jiří Friml, ISTA, Klosterneuburg, Austria

Previous assignments

01.07.2012 – 31.12.2013

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

01.01.2014 – 31.12.2019

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

01.01.2020 – 30.10.2024

Assistant Professor, Faculty of Science, University of Novi Sad, Republic of Serbia

01.11.2021 – 30.09.2025

Researcher, Institute of Cell and Interaction Biology, HHU, Düsseldorf, Germany

Fellowships/Research visits

01.01.2019 – 30.04.2019

01.11.2019 – 07.03.2020

Guest Scientist in the Group of Dr. Guido Grossmann, COS, 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; Microfluidics fabrication and experimentation; Brightfield and fluorescence microscopy (epifluorescent and spinning-disk confocal);

Skills (continued)

Image analysis with macro language in FIJI;
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, J Soil Sci Plant Nutr, Eur J For Res, Front Plant Sci, HAZMAT, CHEM.

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).

Klosterneuburg, Oct 1st 2025



(Milan Župunski)

References

Prof. Dr **Milan Borišev** (PhD supervisor)
University of Novi Sad
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Department of Biology and Ecology
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Prof. Dr **Guido Grossmann** (Postdoc Advisor)
Heisenberg Professor
Heinrich-Heine-Universität Düsseldorf
Institute of Cell and Interaction Biology
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Universitätsstraße 1
40225 Düsseldorf
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Dr. **Tonni Grube Andersen** (Collaborator)
Max Planck Institute for Plant Breeding Research
Department of Plant Microbe Interactions
Carl-von-Linne-Weg 10
50829 Cologne, Germany
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Prof. Dr **Ivana Maksimović** (Collaborator)
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