



Matej Šag

Nationality: Croatian **Date of birth:** 01/02/1991 **Gender:** Male

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Website: <https://www.biologija.unios.hr/sub-department-of-water-ecology/>

Work: Ulica cara Hadrijana 8/A, 31000 Osijek (Croatia)

WORK EXPERIENCE

Josip Juraj Strossmayer University of Osijek, Department of Biology – Osijek, Croatia

City: Osijek | Country: Croatia

Senior Associate

[27/05/2022 – Current]

Sub-Department of Water Ecology.

Josip Juraj Strossmayer University of Osijek, Department of Biology – Osijek, Croatia

City: Osijek | Country: Croatia

Professional Associate

[01/03/2017 – 26/05/2022]

Sub-Department of Water Ecology.

Josip Juraj Strossmayer University of Osijek, Department of Biology – Osijek, Croatia

City: Osijek | Country: Croatia

Senior Laboratory Technician

[15/10/2016 – 28/02/2017]

Sub-Department of Water Ecology.

Josip Juraj Strossmayer University of Osijek, Department of Biology – Osijek, Croatia

City: Osijek | Country: Croatia

Senior Laboratory Technician

[09/10/2015 – 27/09/2016]

Sub-Department of Water Ecology.

EDUCATION AND TRAINING

Person responsible for working with hazardous chemicals

Croatian Institute of Public Health - Division for Toxicology [25/05/2023 – Current]

City: Zagreb | Country: Croatia

Person responsible for working with hazardous chemicals

Croatian Institute of Toxicology and Anti - Doping [21/11/2017 – 21/11/2022]

Address: Borongajska cesta 83 G, 10000 Zagreb (Croatia)

Professional training at the host institution for non teaching staff

Biology Centre CAS, Institute of Entomology [04/09/2016 – 18/09/2016]

City: České Budějovice | Country: Czechia

Mastering of new methods for monitoring and sampling techniques for saproxylic beetles. Improving the ability of determination saproxylic beetles in the fieldwork. Improved ability to organize field research and processing of collected samples in the field. Mastering the determination of larger specimens of beetles in the field. Improving the ability for determination of some saproxylic beetle families in larva stage.

Master of Science in Biology

Josip Juraj Stross mayer University of Osijek, Department of Biology [2012 – 02/07/2015]

Address: Ulica cara Hadrijana 8 A, 31000 Osijek (Croatia)

SAPROXYLIC BEETLES (COLEOPTERA) - INDICATORS OF FOREST ECOSYSTEM CONSERVATION. MS thesis. Osijek: Department of Biology, 02.07.2015., pp 73. Supervisor: Merdić, Enrih. Assistant in charge: Turić, Nataša.

Pedagogical-psychological-didactic-methodological training programme

Josip Juraj Stross mayer University of Osijek, Faculty of Humanities and Social Sciences [

04/2013 – 10/2013]

Address: Ulica Lorenza Jägera 9, 31000 Osijek (Croatia)

Bachelor of Biology

Josip Juraj Stross mayer University of Osijek, Department of Biology [2009 – 2012]

Address: Ulica cara Hadrijana 8 A, 31000 Osijek (Croatia)

LANGUAGE SKILLS

Mother tongue(s): Croatian

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

German

LISTENING B1 READING B1 WRITING B1

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

MS Office (Word Excel PowerPoint) / Internet / Communication platforms (Zoom, Skype) / Social Media

PUBLICATIONS

CroRIS

Google Scholar

NETWORKS AND MEMBERSHIPS

[2018 – Current]

Alumni of the Department of Biology at the Josip Juraj Strossmayer University of Osijek Member of the association since 2018. Secretary of the association (Year 2018. - 2013.)

[2025 – Current]

Croatian Botanical Society

DRIVING LICENCE

Driving Licence: B

PROJECTS

[01/10/2025 – Current]

Bioindicators and anthropogenic pressures in aquatic systems of the Mura-Drava-Danube Biosphere Reserve (AQUA-BIOPRESS) Team member

[27/01/2025 – Current]

Monitoring of the ecological state of surface waters in the Kopački rit Nature Park (NATURAVITA) Team member

[17/06/2024 – Current]

The waters wealth of Kopački rit: a story of a microworld (ADRIS foundation) Team member

[2023 – Current]

The influence of microphytes in the sediment on the development of planktonic cyanobacteria in floodplain lakes Team member
Project Manager: izv. prof. dr. sc. Dubravka Špoljarić Maronić

[2022 – 2023]

Development of periphytic and planktonic communities in a water system potentially contaminated with microplastics Team member
Project Manager: izv. prof. dr. sc. Tanja Žuna Pfeiffer

[2021 – 2022]

Diversity of sediment microphytes and association with planktonic communities in floodplain area of Kopački Rit Team member
Project Manager: izv. prof. dr. sc. Tanja Žuna Pfeiffer

[2020 – 27/10/2023]

NATURAVITA – Implementation of research works, establishment of the system and implementation of monitoring, with interpretation of the results (Activity 7.2.) - Monitoring of surface water and groundwater quality, recent sedimentation, habitats and Group 1: Monitoring of ecological status of surface waters and monitoring of additional biological indicators
Team member

[2019 – 2020]

Monitoring of biological quality elements in rivers in 2019 Sampling of phytobenthos
Team member

[2018 – 2019]

Monitoring of biological quality elements in rivers in 2018 and 2019 Sampling of phytobenthos
Team member

[2018]

Analysis of phytoplankton from heavily modified and artificial standing water bodies in 2017 Phytoplankton analysis
Team member

[2017 – 2018]

Amorpha fruticosa L. – threats to the biodiversity and pendunculate oak stands in the area of Pokupsko and Spačva Basin Team member

[2016 – 2017]

Trophic relations of freshwater ichthyofauna: fish nutrition in sustainable aquaculture Field work researcher

[2016]

Research of Natura 2000 saproxylic beetles in the continental biogeographical region (Cucujus cinnaberinus and Rhysodes sulcatus) for which the status of "Science Reserve" was determined at the Biogeographical Seminar Team member

[2015]

Monitoring and Research of mosquitoes in Osijek Team member

Participation in the field trips of the Laboratory for Aquatic Invertebrates (Department of Biology) Monitoring of fish communities in Kopački rit Monitoring of benthic and periphytic fauna - in cooperation with Kopački rit Nature Park Analysis of biological methods for ecological status assessment for phytobenthos, macrophytes and macrozoobenthos in European intercalibration river types of the Pannonian ecoregion; analysis of the influence of environmental factors and anthropogenic load on the biological element quality

HONOURS AND AWARDS

[2014] Josip Juraj Strossmayer University of Osijek

Rector's Award Rector's award for an excellent essay in the course Freshwater Ecology, entitled: Influence of physico-chemical water parameters on the composition of planktonic communities of Sakadaš Lake (Kopački rit Nature Park, Croatia).

BOAT SKIPPER

Category B

Ministry of the Sea, Transport and Infrastructure

ORGANISATIONAL SKILLS

Laboratory and field work

Independence at working in the laboratory and with laboratory devices.

Organization of the necessary materials and accessories for performing laboratory exercises.

Maintenance of devices, accessories and laboratory equipment.

Sample preparation and field collection.

Keeping records of chemicals and purchase of chemicals required for teaching and laboratory exercises.

Research work on projects and participation in project development.

Workshops

Biolog-i-ja

Brain Week

Festival of Science

Festival of Sustainability