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WORK EXPERIENCE

HEAD OF THE SUBDEPARTMENT OF WATER ECOLOGY – JOSIP JURAJ STROSSMAYER UNIVERSITY OF OSIJEK, DEPARTMENT OF BIOLOGY – 2023 – Current

Management of the organizational unit

ASSOCIATE PROFESSOR – JOSIP JURAJ STROSSMAYER UNIVERSITY OF OSIJEK, DEPARTMENT OF BIOLOGY – 2021 – Current

Scientific research (Scientific area: Natural sciences, Scientific field: Biology)

Research interest: freshwater ecology, ecology and taxonomy of freshwater algae, algal ecophysiology and ecotoxicology, plant ecology

HEAD OF THE SUBDEPARTMENT OF WATER ECOLOGY – JOSIP JURAJ STROSSMAYER UNIVERSITY OF OSIJEK, DEPARTMENT OF BIOLOGY – 2018 – 2020

Management of the organizational unit

ASSISTANT PROFESSOR – JOSIP JURAJ STROSSMAYER UNIVERSITY OF OSIJEK, DEPARTMENT OF BIOLOGY – 2015 – 2021

Teaching activities: Plant Morphology with Field Work, Protected Areas, Plant Anatomy, Algae, Fungi and Lichens, Field Work 2 - Botany, Phytoplankton, Freshwater Ecology, Aquatic Ecology - lectures, practical courses and seminars

Scientific research (Scientific area: Natural sciences, Scientific field: Biology)

SENIOR RESEARCH ASSISTANT – POST-DOC – JOSIP JURAJ STROSSMAYER UNIVERSITY OF OSIJEK, DEPARTMENT OF BIOLOGY – 2013 – 2015

Teaching activities and scientific research (Scientific area: Natural sciences, Scientific field: Biology)

RESEARCH ASSISTANT – JOSIP JURAJ STROSSMAYER UNIVERSITY OF OSIJEK, DEPARTMENT OF BIOLOGY – 2007 – 2013

Teaching activities and scientific research (Scientific area: Natural sciences, Scientific field: Biology)

PROFESSIONAL ASSOCIATE – JOSIP JURAJ STROSSMAYER UNIVERSITY OF OSIJEK, DEPARTMENT OF BIOLOGY – 2006 – 2007

EDUCATION AND TRAINING

2013

PHD IN NATURAL SCIENCES, FIELD BIOLOGY Josip Juraj Strossmayer University of Osijek, University of Dubrovnik, Ruđer Bošković Institute

Website <http://rektorat.unios.hr/molekularna/> |

Field of study University Postgraduate Interdisciplinary Doctoral Study in Molecular Biosciences

2006

MASTER OF EDUCATION IN BIOLOGY AND CHEMISTRY Josip Juraj Strossmayer University of Osijek, Department of Biology, Department of Chemistry

LANGUAGE SKILLS

Mother tongue(s): **CROATIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
GERMAN	B2	B2	B2	B2	B1

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

SKILLS

Software packages - Statistica, Canoco, Primer | Communication programs | Microsoft Office Tools | Graphics Softwares - Photoshop, Illustrator | Internet

DRIVING LICENCE

Driving Licence: B category

Driving Licence: Boat skipper certificate category B

PROJECTS

Research projects and studies

2025 – present: Bioindicators and Anthropogenic Pressures in Aquatic Systems of the Mura-Drava-Danube Biosphere Reserve (AQUA-BIOPRESS), National Recovery and Resilience Plan 2021–2026; collaborator

2025 – present: Monitoring the ecological status of surface waters in Kopački Rit Nature Park (Naturavita), Hrvatske vode; collaborator

2024 - present: Monitoring the impact of interventions on the status of the water body of the old Danube course – Zmajevački Dunavac, Hrvatske vode; collaborator

2024 - present: Monitoring the impact of flood-protection system construction in the settlements of Bokšić Lug and Bokšić on the status of surface water bodies (watercourses Vučica, Marjanac and Lukavac), Hrvatske vode; collaborator

2024 - present: Monitoring the impact of interventions on the status of the water body Stara Drava Osijek, Hrvatske vode; collaborator

2024 – 2025: The Richness of Kopački Rit Waters: A Story of the Micro-World, Adris Foundation; collaborator

2023 – 2024: Determining the baseline condition of the side arm – flora, fauna and habitats – Municipality Lukač – Orlovo Selište location; collaborator

2023 – present: Impact of Sediment Microphytes on the Development of Planktonic Cyanobacteria in Floodplain Lakes, institutional project, Josip Juraj Strossmayer University of Osijek, Department of Biology; project leader

2023 – present: Biodiversity and Dynamics of Phytoplankton Species in Lakes of the Kopački Rit Floodplain Area over the Past Half Century, institutional project, Josip Juraj Strossmayer University of Osijek, Department of Biology; collaborator.

2020 - 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 fauna - Group 1: Monitoring of ecological status of surface waters and monitoring of additional biological indicators, Hrvatske vode; collaborator

2019 - 2020: Monitoring of biological quality elements in rivers in 2019, Hrvatske vode; sampling of phytobenthos, team member

2018 - 2019: Analysis of phytoplankton from heavily modified and artificial standing water bodies in 2017, Hrvatske vode; phytoplankton analysis; team member

2018 - 2019: Monitoring of biological quality elements in surface inland waters in 2018 and 2019, Hrvatske vode; sampling of phytobenthos; team member

2017 - 2018: *Amorpha fruticosa* L. - threats to biodiversity and pedunculate oak stands in the area of Pokupsko and Spačva Basin, Foundation Adris; collaborator

2016 - 2017: The impact of selenium on algae - combining *in vitro* and ecological studies in aquatic ecosystems, Josip Juraj Strossmayer University of Osijek, INGI-2015 guest researcher programme; project leader

2016 - present: science popularisation project Biolog-i-Ja, Department of Biology; team member

2015: Steppe-like grassland in Bilje - protected natural monument, Public institution agency for management of protected natural values in Osijek-Baranja County (Croatia) and the Environmental Protection and Energy Efficiency Fund; project co-leader

2013 - 2018: Evaluation of the collected rainwater in the discharge of bunding landfills „Švajcerova ada" in Darda, Darda Municipality; monitoring of biological parameters; team member

2010 - 2013: Protection of Kopački rit waters – environmental interactions of the Danube River and the floodplain, MZOŠ 285-0000000-2674; collaborator

● PUBLICATIONS

Scientific publications, conference proceedings and theses

CROSBİ: <https://www.bib.irb.hr/pregled/znanstvenici/295151>

Google scholar: https://scholar.google.hr/citations?user=xPinU_kAAAAJ&hl=hr

Researchgate: https://www.researchgate.net/profile/Dubravka_Spoljaric_Maronic

Repository: <https://repozitorij.biologija.unios.hr/en/user/profile/mbz/295151>

● NETWORKS AND MEMBERSHIPS

Croatian Biological Society

Croatian Botanical Society

Croatian Society of Plant Biologists

Federation of European Phycological Societies (FEPS)

International Association for Danube Research (IAD)

HNE - Club

● HONOURS AND AWARDS

Honours and awards

2025: Award for Excellence in Scientific Paper Publishing; Department of Biology, Josip Juraj Strossmayer University of Osijek

2018: Award for Scientific Excellence, Department of Biology, Josip Juraj Strossmayer University of Osijek

2016: Award for Scientific Excellence, Department of Biology, Josip Juraj Strossmayer University of Osijek

● PROFESSIONAL TRAINING

2018

Erasmus+ mobility - sampling and analyses of phytobenthos (Palacký University Olomouc, Faculty of Science, Olomouc, Czech Republic)

2008

„Toxic cyanobacteria in drinking water sources - problem and sanitation“ (University of Pannonia, Veszprem, Hungary; SEE ERA-NET project)

● **TECHNICAL SKILLS**

Tehnickal skills

Application of laboratory methods (water quality analysis, microscopy, algal cultures, spectrophotometry methods); the use of laboratory and field equipment.

● **MANAGEMENT AND LEADERSHIP SKILLS**

Management skills

2018 – 2020; 2023 - present: Head of the Subdepartment of Water Ecology, Josip Juraj Strossmayer University of Osijek, Department of Biology - management of the organizational unit

2018 – 2023: President of the Alumni of the Department of Biology, Josip Juraj Strossmayer University of Osijek (Alumni BiolOs)

● **ORGANISATIONAL SKILLS**

Organisational skills and competences

Coordinating and maintaining research projects and programs, organization of laboratory and fieldwork assignments for students, organization of scientific meetings, educational and science popularisation activities.

2025 14th International Symposium Kopački Rit Past, Present, Future 2025 (member of the editorial board)

2022 Microalgae, the challenge of the future (member of the organising committee)

2019 Young Scientists Conference (member of the organising committee)

2019 8th international conference WATER FOR ALL (member of the scientific committee)

2018 - present – member of the Working group for study programs (Department of Biology)

2017 - present – member of the Publishing Committee of the Department of Biology

2016 - present – science popularisation programs/projects: Biolog-i-Ja, Open Doors Day, Science Festival