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WORK EXPERIENCE

Faculty of Food Technology Osijek, J.J. Strossmayer University of Osijek - Croatia, Osijek

Full professor

[2022 - Current]

Modules taught: undergraduate study programme *Food Technology* (Basics of biotechnology), graduate study programme *Food Engineering* (Biotechnological food production), Graduate study programme *Process Engineering* (Basics of bioprocess engineering, Bioprocesses in environmental protection, Wastewater treatment processes

Postgraduate study programme *Food Technology and Nutrition* (Food industry waste management); interdisciplinary postgraduate study programme *Environment Protection and Nature Conservation (* Fundamentals of environment protection and nature conservation)

Faculty of Food Technology Osijek, J.J. Strossmayer University of Osijek - Croatia, Osijek

Associate professor

[2017 - 2022]

Faculty of Food Technology Osijek, J.J. Strossmayer University of Osijek - Croatia, Osijek

Assistant professor

[2011 - 2017]

Faculty of Food Technology Osijek, J.J. Strossmayer University of Osijek - Croatia, Osijek

Senior assistant

[2010 - 2011]

Faculty of Food Technology Osijek, J.J. Strossmayer University of Osijek - Croatia, Osijek

Assistant

[2000 - 2010]

EDUCATION & TRAINING

Ph.D. in the scientific area of Biotechnical sciences, scientific field of Biotechnology

Faculty of Food Technology and Biotechnology, University of Zagreb [22/11/2010]

City: Zagreb | **Country:** Croatia

Website: http://www.pbf.unizg.hr/ | **Field(s) of study:** Biotechnical sciences, Biotechnology: | **Level in EQF:** 8 | **Thesis:** Novel nitrous oxide sensor development and application in denitrification monitoring

BSc in Food Technology (Biochemical Engineering)

Faculty of Food Technology and Biotechnology, University of Zagreb [17/12/1998]

City: Zagreb | **Country:** Croatia

Website: http://www.pbf.unizg.hr/ | **Level in EQF:** 7

Online training (advanced) course in Deep Tech Innovation in Agrifood Systems, specialization in Biotechnology and Agrifood Business

Faculty of Biotechnology (Escola Superior de Biotecnologia), Universidade Católica Portuguesa [12/04/2024 - 14/06/2024]

Website: https://esb.ucp.pt/pt-pt/escola-superior-de-biotecnologia-universidade-catolica-no-porto

Online Course on Solid Waste Management

IHE Delft, Institute for Water Education under the auspices of UNESCO [05/09/2022 - 13/01/2023]

City: Delft | **Country:** Netherlands

Website: https://www.un-ihe.org/

Pedagogical-psychological and didactic-methodological training

Faculty of Education, J. J. Strossmayer University of Osijek [02/2011 - 05/2011]

City: Osijek | **Country:** Croatia

Advanced Course on Biotechnology and Intellectual Property

WIPO Worldwide Academy [03/04/2008 - 12/06/2008]

Website: https://www.wipo.int/portal/en/index.html

CEEPUS intensive course «Wine technology and biotechnology – tradition and innovation in Hungarian wine making»,

Szent István University, Faculty of Food Science, Budapest, Hungary [22/04/2001 - 28/04/2001]

City: Budimpešta | **Country:** Hungary

University Course in Leadership and Developmental Youthwork

University of Jonköping, Sweden / PRONI Institute of Social Education, Osijek [1999 - 2000]

Teaching mobility CEEPUS

Wroclaw University of Environmental and Life Sciences, Faculty of Biotechnology and Food Science [21/06/2026 - 27/06/2026]

City: Wroclaw | **Country:** Poland

Teaching mobility CEEPUS

University of Chemistry and Technology Prague Faculty of Food and Biochemical Technology [18/05/2026 - 22/05/2026]

City: Prague | **Country:** Czechia

Teaching mobility

BOKU - University of Natural Resources and Life Sciences, Department of Food Science and Technology [06/05/2026 - 08/05/2026]

City: Vienna | **Country:** Austria

Teaching mobility CEEPUS

University of Ljubljana, Biotechnical Faculty [16/02/2026 - 20/02/2026]

City: Ljubljana | **Country:** Slovenia

Teaching mobility CEEPUS

University of Pecs, Faculty of Pharmacy, Department of Pharmaceutical Biotechnology [03/11/2025 - 07/11/2025]

City: Pecs | **Country:** Hungary

Professional training ERASMUS+ programme

University of Agriculture in Krakow, Faculty of Food Technology [23/06/2025 - 27/06/2025]

City: Krakow | **Country:** Poland

Teaching mobility CEEPUS

BOKU - University of Natural Resources and Life Sciences, Department of Food Science and Technology [07/05/2025 - 09/05/2025]

City: Vienna | **Country:** Austria

Teaching mobility CEEPUS

University of Chemistry and Technology Prague, Faculty of Food and Biochemical Technology [21/04/2025 - 27/04/2025]

City: Prague | **Country:** Czechia

Taeching mobility CEEPUS

University of Pecs, Faculty of Pharmacy, Department of Pharmaceutical Biotechnology [18/11/2024 - 25/11/2024]

City: Pecs | **Country:** Hungary

Teaching mobility CEEPUS

University of Pecs, Faculty of Pharmacy, Department of Pharmaceutical Biotechnology [27/11/2023 - 01/12/2023]

City: Pecs | **Country:** Hungary

Teaching mobility CEEPUS

University of Pecs, Faculty of Pharmacy, Department of Pharmaceutical Biotechnology [14/11/2022 - 19/11/2022]

City: Pecs | **Country:** Hungary

Professional training ERASMUS+ programme

University of Pecs, Faculty of Pharmacy, Department of Pharmaceutical Biotechnology [19/04/2022 - 22/04/2022]

City: Pecs | **Country:** Hungary

Professional training ERASMUS+ programme

University of Natural Resources and Life Sciences (BOKU), Institute of Food Technology [20/06/2016 - 01/07/2016]

City: Beč | **Country:** Austria

Professional training ERASMUS+ programme

Jožef Stefan International Postgraduate School [24/08/2015 - 03/09/2015]

City: Ljubljana | **Country:** Slovenia

Workshop: Education and exchange of experiences of WWTP employees,

Training and Competence Centre - Progressing together (TCC Danubius), HDZV, GWP [27/03/2014 - 28/03/2014]

City: Našice | **Country:** Croatia

Professional training CEEPUS

Department of Food Engineering, Szent István University, Faculty of Food Science, Budapest [06/2001]

City: Budapest | **Country:** Hungary

Professional training CEEPUS

Department of Food Engineering, Szent István University, Faculty of Food Science, Budapest [06/2001]

City: Budapest | **Country:** Hungary

LANGUAGE SKILLS

Mother tongue(s): hrvatski

engleski

LISTENING: C1 **READING:** C1 **WRITING:** C1

SPOKEN PRODUCTION: C1

SPOKEN INTERACTION: C1

talijanski

LISTENING: B1 **READING:** B1 **WRITING:** A2

SPOKEN PRODUCTION: A2

SPOKEN INTERACTION: A2

SKILLS

MS Office (Word Excel PowerPoint) | Windows | Internet | Social Media including Facebook , WhatsApp and Twitter | Video Conferencing (Zoom, Teams, Skype, Webex) - Advanced

PROJECTS

- Biosorption potential of brewers' spent grain treated with natural deep eutectic solvents (NADES) for the removal of emerging contaminants from water (2025-2026), Bilateral HR-SLO project (project leader)
- Immobilization of Lipases on Functionalised Carriers Produced from Selected Agro-Food Industrial Waste (2021 – 2025) (collaborator)
- 291-058-000-0169 “Chemical sensors for Biomedical, Food and Environmental applications”, collaborator (2007 – 2014)(collaborator)
- 113-1780691-0538 “Improvement of food safety in production and processing of cereals”; collaborator (2007-2014) (collaborator)
- 113009: “Arsenic in drinking water of Eastern Croatia”, collaborator (2002-2006) (collaborator)

- "Development and standardisation of organic blackberry wine production”, collaborator (2012 – 2014)
- TP 01/0113-03 "Research on malting methods of domestic wheat varieties", collaborator (2001 - 2004)

- Baranya Alliance for Biotechnology Educationm- BABE (2026-2028) ID: HUHR/2401/4.2/035, Interreg VI-A Hungary-Croatia Programme 2021-. 2027 (project leader)
- Development of Innovative Biosorbents from Food Industry By-products (BIONUP) (2025-2028), NextGenerationEU (collaborator)
- Reducing Food Waste and Rescue Surplus Food Supplies – ReS-Food (2022-2024), ERASMUS+, Action type: KA220-VET - Cooperation partnerships in vocational education and training (collaborator)

- EDUcation for CLImate Change mitigation in the municipal solid waste sector – EDU-CLIC (2021-2024), EUKI (a project financing instrument by the German Federal Ministry for Economic Affairs and Climate Action – BMWK) (collaborator)
- Development of a lifelong learning program in the field of Food technology, Biotechnology and Nutrition by implementation of the Croatian Qualifications Framework (UP.03.1.1.03.0051), The European Social Fund, 2019-2022 (collaborator)
- Development and the establishment of an interdisciplinary graduate study programme "Biotechnology" in English, The European Social Fund (ESF), Operational Program "Effective Human Resources 2014-2020" (collaborator)

PUBLICATIONS

CRORIS / Google Scholar

https://www.croris.hr/osobe/profil/4154?lang=en
https://scholar.google.com/citations?user=02CJeVYAAAAJ&hl=hr

NETWORKS AND MEMBERSHIPS

- European Federation of Biotechnology (EFB)
- European Biotechnology Thematic Network Association (EBTNA)
- Croatian Society of Biotechnology (HDB)
- Croatian Water Pollution Control Society (HDZV)

MANAGEMENT AND LEADERSHIP SKILLS

Management/leadership

- 6/2023 - today: head of the interdisciplinary doctoral study Nature and environment protection
- head of the Department for Process Engineering, Faculty of Food Technology Osijek
- president of the Sub-Department of Bioprocess Engineering, Faculty of Food Technology Osijek

COMMUNICATION AND INTERPERSONAL SKILLS

Communication skills

Excellent communication skills have been developed through extensive experience in various teaching roles and participation in numerous projects.