europass



Tihana Marček

Date of birth: 07/06/1978 **Email address:** tihana.marcek@ptfos.hr

WORK EXPERIENCE

Faculty of Food Technology Osijek – Osijek, Croatia

Address: F. Kuhača 18, 31000 Osijek (Croatia) | **Business or sector:** Education

Associate Professor

[2021 – Current]

Teaching process and scientific work

Faculty of Food Technology Osijek – Osijek, Croatia

Address: F. Kuhača 18, 31000 Osijek (Croatia) | **Business or sector:** Education

Assistant Professor

[2016 – 2021]

Teaching process and scientific work

Faculty of Food Technology Osijek – Osijek, Croatia

Address: F. Kuhača 18, 31000 Osijek (Croatia) | **Business or sector:** Education

Postdoctoral

[2013 – 2016]

Teaching process and scientific work

Faculty of Food Technology Osijek – Osijek, Croatia

Address: F. Kuhača 18, 31000 Osijek (Croatia) | **Business or sector:** Education

Assistent

[2005 – 2013]

Teaching process and scientific work

Primary school "Ernestinovo" – Ernestinovo, Croatia

Business or sector: Education

Primary school teacher

[2004 – 2005]

First Private Gymnasium "Gaudeamus" – Osijek, Croatia

Business or sector: Education

Secondary school teacher

[2003 – 2004]

EDUCATION AND TRAINING

Doctor of Science in Biological Sciences

University of Zagreb, Faculty of Science, Department of Biology, Croatia [01/01/2005 – 31/12/2013]

City: Zagreb | **Country:** Croatia | **Level in EQF:** EQF level 8

Bachelor of Science in Biology and Chemistry

Josip Juraj Strossmayer University of Osijek, Faculty of Education [01/01/1997 – 31/12/2002]

City: Osijek | **Country:** Croatia | **Level in EQF:** EQF level 7

Teaching mobility Erasmus+

University St. Kliment Ohridski-Bitola, Faculty of Biotechnical Sciences [22/09/2025 – 26/09/2025]

City: Bitola | **Country:** North Macedonia

Professional training mobility Erasmus+

Vytautas Magnus University [05/02/2024 – 09/02/2024]

City: Kaunas | **Country:** Lithuania

Teaching mobility-University Scholarship

Mendel University in Brno [02/05/2023 – 12/05/2023]

City: Brno | **Country:** Czechia

Teaching mobility Erasmus+

University of Agriculture in Kraków [18/04/2022 – 30/04/2022]

City: Krakow | **Country:** Poland

Teaching mobility Ceepus

Mendel University in Brno [08/11/2021 – 12/11/2021]

City: Brno | **Country:** Czechia

Professional training mobility Erasmus+

Hungarian Academy of Science [26/08/2019 – 26/09/2019]

City: Martonvasar | **Country:** Hungary

Professional training mobility Erasmus+

Hungarian Academy of Science [19/06/2017 – 19/07/2017]

City: Martonvasar | **Country:** Hungary

Professional training mobility Erasmus+

Hungarian Academy of Science [19/06/2015 – 17/07/2015]

City: Martonvasar | **Country:** Hungary

Teaching mobility Ceepus

Agricultural University of Tirana, Faculty of Biotechnology [26/05/2025 – 30/05/2025]

City: Tirana | **Country:** Albania

Scholarship

Ministry of Science and Education of the Republic of Croatia [01/10/1998 – 30/09/2022]

Country: Croatia

LANGUAGE SKILLS

Mother tongue(s): Croatian

Other language(s):

English	German
LISTENING B2 **READING** B2 **WRITING** B2	**LISTENING** A1 **READING** A1 **WRITING** A1
SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2	**SPOKEN PRODUCTION** A1 **SPOKEN INTERACTION** A1

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

JOB-RELATED SKILLS

Job-related skills

In vitro plants cultivation; western blotting method; spectrophotometric analyses; enzyme kinetic; determination of chlorophyll fluorescence using CCD Video Imaging Fluorimetry quenching analyses and Pulsed-amplitude modulation-PAM fluorimetry. Measurements of intracellular CO2concentration, stomatal conductance, transpiration and assimilation rate by CIRUS system. Cold plasma **technologies in plant abiotic stress studies.**

Publications

https://www.croris.hr/osobe/profil/12922

ORGANISATIONAL SKILLS

Organisation of workshops, seminars and lectures. Supervisor of undergraduate and graduate thesis. Organisation and design of research.

COMMUNICATION AND INTERPERSONAL SKILLS

Experienced in public appearances

Excellent communication skills gained through the learning process, oral presentations at scientific conferences and cooperation with other international institutions.

[05/11/2024 – 05/11/2025]
Development of a new generation supplement based on Hericium erinaceus

Project collaborator. European Structural and Investment Funds.

PROJECTS

[01/10/2025 – 30/09/2029]
Development of innovative biosorbents from by-products of the food industry Project collaborator. EU-NextGeneraton EU.

Link: https://www.ptfos.unios.hr/BIONUP/index.php/o-projektu/

[10/12/2025 – 09/12/2028]
Application of Mycorrhiza for Sustainable Adaptation to Climate Change in Viticulture Project collaborator. European Structural and Investment Funds.

[24/07/2025 – 23/07/2028]
New cultivation possibilities for increasing the yield of the medicinal edible mushroom lion's mane (Hericium erinaceus) Project collaborator. European Structural and Investment Funds.

[01/03/2026 – 29/02/2028]
Baranya Alliance for Biotechnology Education (BABE) Project collaborator. Interreg educational project, EU Funding.

[01/11/2024 – 01/01/2026]
Application of plasma activated water in increasing crop tolerance to drought Project leader. Professional project, Adris Foundation.

[01/10/2024 – 30/09/2025]
The potential of plasma activated water on the response of wheat in the combined stress caused by drought and fullerenol C60(OH)24 nanoparticles Project leader. Institutional project.

[01/10/2020 – 30/09/2021]
Application of physical methods to improve wheat seed germination under conditions of elevated salinity and drought Project leader. Institutional project.

[20/03/2017 – 28/11/2017]
Polyamines as markers of drought tolerance in wheat Project leader. Regional project.

DRIVING LICENCE

Driving Licence: B