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Sandra Budžaki

Nationality: Croatian **Date of birth:** 27/01/1974 **Gender:** Female

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Home: Zmaj Jove Jovanovića 5, 31000 Osijek (Croatia)

Work: Faculty of Food Technology, J. J. Strossmayer university of Osijek Franje Kuhača 18, 31000 Osijek (Croatia)

WORK EXPERIENCE

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

Full Professor

[2021 – Current]

Modules taught: undergraduate study programme *Food Technology* (Engineering Thermodynamics), graduate study programme *Process Engineering* (Thermotechnics, Energy and Environment, Process Ecological Engineering), Postgraduate study programme *Food Technology and Nutrition* (Energy Efficiency of the Food Industry Process).

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

Associate Professor

[2016 – 2021]

Faculty of Food Technology Osijek, J. J. Strossmayer University of Osijek – Osijek

Assistant Professor

[2010 – 2016]

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

Assistant

[1999 – 2010]

EDUCATION AND TRAINING

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

Faculty of Food Technology, J. J. Strossmayer University of Osijek [06/02/2009]

City: Osijek | **Country:** Croatia | **Website:** http://www.ptfos.unios.hr/ | **Level in EQF:** EQF level 8

MSc. in the scientific area of Biotechnical sciences, scientific field of Food Technology

Faculty of Food Technology, J. J. Strossmayer University of Osijek [16/04/2003]

City: Osijek | **Country:** Croatia | **Website:** http://www.ptfos.unios.hr/ | **Level in EQF:** EQF level 8

BSc. in the scientific area of Biotechnical sciences, scientific field of Food Technology

Faculty of Food Technology, J. J. Strossmayer University of Osijek [20/10/1997]

City: Osijek | **Country:** Croatia | **Website:** http://www.ptfos.unios.hr/ | **Level in EQF:** EQF level 7

Teaching mobility CEEPUS

University of Novi Sad, Faculty of Technology Novi Sad [17/10/2022 – 21/10/2022]

City: Novi Sad | **Country:** Serbia | **Website:** https://www.tf.uns.ac.rs/en#lat

Teaching mobility CEEPUS

Agricultural University of Tirana, Faculty of Biotechnology and Food [05/09/2022 – 30/09/2022]

City: Tirana | **Country:** Albania | **Website:** https://www.ubt.edu.al/

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/

Teaching mobility ERASMUS+

Slovak University of Technology in Bratislava, Faculty of Chemical and Food Technology [03/01/2020 – 12/01/2020]

City: Bratislava | **Country:** Slovakia | **Website:** https://www.fchpt.stuba.sk/english.html?page_id=782

Teaching mobility CEEPUS

University of Novi Sad, Faculty of Technology Novi Sad [17/06/2019 – 15/07/2019]

City: Novi Sad | **Country:** Serbia | **Website:** https://www.tf.uns.ac.rs/en/

Teaching mobility ERASMUS+

Faculty of Engineering University of Porto, Department of Metallurgical and Materials Engineering [01/07/2016 – 30/07/2016]

City: Porto | **Country:** Portugal | **Website:** https://fe.up.pt/estudar/memat/?lang=en

Teaching mobility ERASMUS+

Eindhoven University of Technology, Department of Chemical Engineering and Chemistry/Micro Flow [15/06/2014 – 30/07/2014]

City: Eindhoven | **Country:** Netherlands | **Website:** https://research.tue.nl/en/organisations/micro-flow-chemistry-and-synthetic-meth

Postdoctoral Research - Scholarship from the National Science Foundation of the Republic of Croatia

University of Ljubljana, Faculty of Chemistry and Chemical Technology [04/01/2010 – 04/04/2010]

City: Ljubljana | **Country:** Slovenia | **Website:** https://fkkt.uni-lj.si/en/

LANGUAGE SKILLS

Mother tongue(s): Croatian

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

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

SKILLS

MS Office (Word, Excell, PowerPoint) / Windows / Internet / Social Media including Facebook and Whats App / Video Conferencing (Zoom, Teams, Skype, Webex) - Advanced

PROJECTS

[Current]

Projects funded by the Croatian scientific foundation and Croatian Ministry of Science and Education

- *Immobilization of Lipases on Functionalised Carriers Produced from Selected Agro-Food Industrial Waste*; IP-02-2020-6878 (2021-2025) - Project Leader
- *Development of an Integrated Biocatalytic Microreactor System for Biodiesel Production*; IP-2016-06-7993 (2017-2021) - Collaborator
- *Heat transfer and thermal properties of food during processing*; 113-1130471-0451 (2007-2013) - Collaborator
- *Nondestructive methods in food production and storage processes*; 113-1130471-0592 (2007-2013) - Collaborator
- *Improvement of production nutritional high quality food*; 0113002 (1999-2006) - Collaborator

[2018 – 2019]

Other national projects *Potential of agroindustrial waste as a carrier for the immobilization of lipase in biodiesel production* - Project Leader

[2022 – 2024]

EU projects

- *Reducing Food Waste and Rescue Surplus Food Supplies – ReS-Food*; ERASMUS+ KA2; 2022-1-RS01-KA220-VET-000088446 (2022-2024) - Partner Coordinator for Faculty of Food Technology Osijek
- *EDUcation for CLImate Change mitigation in the municipal solid waste sector – EDU-CLIC*; EUKI funded by the German Federal Ministry for Economic Affairs and Climate Action (BMWK) (2021-2024) - Collaborator
- *Bioconversion of lignocellulosic material into high-quality animal feed - Bio4Feed;* funded by the European Regional Development Fund; KK.01.1.1.04.0107 (2019-2022) - Collaborator
- *Development of a lifelong learning program in the field of Food technology, Biotechnology and Nutrition by implementation of the Croatian Qualifications;* funded by the European Social Fund; UP.03.1.1.03.0051 (2019-2022) - Member of Working Group 2
- *Investment in innovative solutions and development of low-energy dryers*; funded by the European Regional Development Fund and Cohesion Fund of the Republic of Croatia; (2017-2019) - Coordinator for Faculty of Food Technology Osijek
- *Development of an innovative process for biological treatment of agricultural waste in biogas production - ProBioTech*; funded by the European Regional Development Fund; 2014-20163 (2014-2016) - Collaborator

PUBLICATIONS

CroRIS - CROSBI Write here the description...

NETWORKS AND MEMBERSHIPS

Memberships 2022 Croatian Society of Biochemistry and Molecular Biology2019 Global Harmonization Initiative2014 Hrvatsko društvo kemijskih inženjera i tehnologa2011 Association TechnOS - Association of Former Students and Friends of the Faculty of Food Technology Osijek1997 European Federation of Chemical Engineering1997 Društvo kemičara i tehnologa Osijek

MANAGEMENT AND LEADERSHIP SKILLS

Management/Leadership

10/2023 - present: Head of the graduate study *Process Engineering* at the Faculty of Food Technology Osijek

10/2023 - present: Head of the Department of Process Engineering, Faculty of Food Technology Osijek

2023 - present: CEEPUS Network Coordinator for student and teacher mobility program, HR-0306

2021 - 2023 - President of the Sub-Department of *Energy, Environment and Sustainable Development* at the Faculty of Food Technology Osijek

2019 - present: Vice President of Organizing Committee *10th International Congress Flour-Bread '19 and 12th Croatian Congress of Cereal Technologists*

2019 - present: Member of the editorial board of the *Croatian Journal of Food Science and Technology*

2014 - 2019 - President of the Sub-Department of *Thermodynamics and Reaction Engineering* at the Faculty of Food Technology Osijek

Project roles in Interreg grant proposal (2025-2026):

Financial manager and educational content developer

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and Interpersonal Skills

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