

PERSONAL INFORMATION



**Tihomir Kovač**

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Sex M | Date of birth 29/07/1986 | Nationality Croatian

WORK EXPERIENCE

- 20.10.2021. - onward

**Assistant professor**  
 Faculty of Food Technology, University of Osijek, Franje Kuhača 20, 31 000 Osijek, Croatia  
 Science and higher education
- 24.10.2017. - onward

**Post-doctoral fellow**  
 Faculty of Food Technology, University of Osijek, Franje Kuhača 20, 31 000 Osijek, Croatia  
 Science and higher education
- 1.1.2012. – 23.10.2017.

**Assistant**  
 Faculty of Food Technology, University of Osijek, Franje Kuhača 20, 31 000 Osijek, Croatia  
 Science and higher education
- 13.7.2011. - 31.12.2011.

**Person responsible for the use of dangerous chemicals**  
 KontrolKem d.o.o., Nikole Šubića Zrinskog 19, 10430 Samobor, Croatia  
 Production and service of industrial chemicals and equipment, consulting and trade
- 13.9.2010. - 13.7.2011.

**Chemical analysts / Production technologist**  
 Novi Domil d.o.o., M. Čatića 1, 32270 Županja, Croatia; Member of Vindija business system  
 Milk processing and production of dairy products

EDUCATION AND TRAINING

- 8. 2. 2018. – 20. 4. 2018.

**Pedagogical-psychological and didactic-methodical education**  
 Josip Juraj Strossmayer University of Osijek, Faculty of education, Cara Hadrijana 10, 31000 Osijek, Croatia
- February 2012. – June 2017.

**PhD**  
 Scientific Area: Biotechnical Sciences, Scientific Field: Biotechnology

**Doctoral study Biotechnology and Bioprocess Engineering**  
 Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia

HKO 8.2;  
 EQF 8;  
 QF-EHEA  
 3 cycle
- September 2008. – July 2010.

**Master of process engineering**

Graduate study of Process engineering  
 Faculty of Food Technology, University of Osijek, Franje Kuhača 20, 31 000 Osijek, Croatia

HKO 7.1;  
 EQF 7;  
 QF-EHEA  
 2 cycle

September 2005.-September 2008.

## BSc of Food Technology (Baccalaureus/Baccalaurea)

 HKO 6.;  
 EQF 6;  
 QF-EHEA  
 1 cycle

 Undergraduate study of Food technology  
 Faculty of Food Technology, University of Osijek, Franje Kuhača 20, 31 000 Osijek, Croatia

## PERSONAL SKILLS

Mother tongue(s) Croatian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B1	B1	B1
German	A1	A1	A1	A1	A1

 Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
 Common European Framework of Reference for Languages

Communication skills

- good communication skills gained through my experience as Chemical analysts/Production technologist, Person responsible for the use of dangerous chemicals and in the science and higher education system

Organisational / managerial skills

- chairman of Subdepartment of Ecology and Toxicology at Faculty of Food Technology Osijek, May 1.10.2023.-onward
- person responsible for the use of dangerous chemicals at Faculty of Food Technology Osijek, May 2019-onward
- occupational safety and health commissioner at Faculty of Food Technology Osijek, April 2019-onward
- member of technical preparation and design team at Croatian Journal of Food Science and Technology, January 2017 - onward
- adaptable, tends to teamwork, self-initiative planning and conducting laboratory exercises and cooperation through scientific research
- President of Student council of Faculty of Food Technology Osijek from 2.4.2008. to 1.6.2010.; graphic editor of Students Magazine "TEHNOS" (No. III, IV).
- member of organization committee of Student council of Faculty of Food Technology Osijek project "Tehnologijada '09"; member of organization committee of Student council of Faculty of Food Technology Osijek project "Tehnologijada '10"
- participation in activities of Student council of University of Osijek as President of Student council of Faculty of Food Technology Osijek

Computer skills

- good command of Microsoft Office™ tools and CorelDraw program package; Statistica, Analyst tools and Multiquant

Driving licence

- B category

## ADDITIONAL INFORMATION

Scientific and professional interests

- Modulation of fungal cell oxidative status, related antimycotoxigenic and/or antifungal effect, fullerene and fullerol nanoparticles preparation, characterization and determination.
- Impact of fullerene and fullerol nanoparticles on fungal secondary metabolism

Publications

- [Croatian Scientific Bibliography](#) or [Google scholar](#)

- Projects**
- Fullerol nanoparticles and *Aspergillus flavus* interaction – An insight into illumination effect (FLAF); 1.12.2019-1.4.2020.; researcher, financed by Austrian Academy of Sciences, Joint Excellence in Science and Humanities (JESH) programme
  - Fungicidal and antimycotoxicogenic potential of innovative generation of supplements, (2019.); project collaborator; University North, Croatia
  - Inhibitory effect of fullerenes on aflatoxin synthesis (2013.-2014.); project collaborator; University of Osijek
  - Antiaflatoxicogenic effect of flavonoid quercetin (2015.-2016.); project collaborator; University of Osijek

- Scientific Training**
- 1.2.2023.-2.3.2023. Scientific training at Institute of Bioanalytics and Agro-Metabolomics, Department of Agrobiotechnology, IFA-Tulln, University of Natural Resources and Life Sciences (BOKU), Vienna, Austria (Erasmus+ scholarship for 2022./2023)
  - 30.8.2021.-30.11.2021. Scientific training at Institute of Bioanalytics and Agro-Metabolomics, Department of Agrobiotechnology, IFA-Tulln, University of Natural Resources and Life Sciences (BOKU), Vienna, Austria (Erasmus+ scholarship for 2020./2021)
  - 1.12.2019-1.4.2020. Scientific training at Institute of Bioanalytics and Agro-Metabolomics, Department of Agrobiotechnology, IFA-Tulln, University of Natural Resources and Life Sciences (BOKU), Vienna, Austria
  - 1.10.2018.-31.12.2018. Scientific training at the project TRIANA of Center for Analytical Chemistry, Department of Agrobiotechnology, IFA-Tulln, University of Natural Resources and Life Sciences (BOKU), Vienna, Austria
  - 1.7.2018.-1.8.2018. UHPLC-ESI-MS/MS analysis of fullerol  $C_{60}(OH)_{24}$  nanoparticles on multimycotoxin content of foodborne fungi, Center for Analytical Chemistry, Department of Agrobiotechnology, IFA-Tulln, University of Natural Resources and Life Sciences, Vienna, Austria (Erasmus+ scholarship for 2018./2019)
  - 1.7.2017.-1.8.2017. UHPLC-ESI-MS/MS analysis of *Aspergillus flavus* multymycotoxin content under fullerol  $C_{60}(OH)_{24}$  nanoparticles presence, Center for Analytical Chemistry, Department of Agrobiotechnology, IFA-Tulln, University of Natural Resources and Life Sciences, Vienna, Austria (Erasmus+ scholarship for 2016./2017)
  - 19.7.2015.-21.8.2015. UHPLC-ESI-MS/MS analysis of mycotoxins in food and feed, Center for Analytical Chemistry, Department of Agrobiotechnology, IFA-Tulln, University of Natural Resources and Life Sciences, Vienna, Austria (Erasmus+ scholarships for 2014./2015. and 2015./2016)

- Awards**
- National Science Award for young scientist for 2021 (Republic of Croatia)
  - Annual award to young scientists "Jasenka Pigac" of the Croatian Microbiological Society for 2021
  - Award of the Federal Ministry of Science, Research and Economy of the Republic of Austria and the Institute for the Danube Region and Central Europe "Danubius Young Scientist Award" for the year 2021
  - Vera Johanides Award for the Young Scientists for 2020 from Croatian Academy of Engineering
  - Faculty of Food Technology yearly award for scientific, educational and professional work, 2018.
  - Scholarship for young scientists of the Federation of European Microbiological Societies for participation in the scientific meeting, 2015.

- Society member**
- Croatian Microbiological Society
  - Croatian Toxicological Society
  - Croatian Society of Biochemistry and Molecular Biology