

# Curriculum Vitae

## PERSONAL DATA

**NAME AND SURNAME** SANDI ORLIĆ  
**YEAR AND THE INSTITUTION** 2005, UNIVERSITY OF ZAGREB  
**PHD OBTAINED**  
**ADDRESS** PETRINJSKA 85 ZAGREB  
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**FAX**  
**E-MAIL** [sandi.orlic@irb.hr](mailto:sandi.orlic@irb.hr); [sorlic@gmail.com](mailto:sorlic@gmail.com); [sorlic@irb.hr](mailto:sorlic@irb.hr)  
**PERSONAL WEB PAGE**  
**NATIONALITY** CROATIAN  
**DATE AND PLACE OF BIRTH** 29.01.1976, PULA

## WORK EXPERIENCE<sup>1</sup>

(CHRONOLOGICALLY\*)

**WORK FIELD** *Microbial ecology*  
**DATE (FROM – UNTIL)** 2019 -  
**INSTITUTION** *Institute RUĐER BOŠKOVIĆ*  
**OCCUPATION OR POSITION HELD** **Senior Research Associate**

**WORK FIELD** *Microbial ecology*  
**DATE (FROM – UNTIL)** 2.04.2010.- 2019  
**INSTITUTION** *Institute RUĐER BOŠKOVIĆ*  
**OCCUPATION OR POSITION HELD** **Scientific associate**

**WORK FIELD** *Molecular microbial ecology*  
**DATE (FROM – UNTIL)** 1.3.2008 – 1.6.2009.  
**INSTITUTION** *«Cavanilles» Institute for Biodiversity and Evolutionary Biology - University of Valencia*  
**OCCUPATION OR POSITION HELD** **PostDoc**

**WORK FIELD** **YEAST EVOLUTION**  
**DATE (FROM – UNTIL)** 28.02-28.08. 2007.  
**INSTITUTION** *Katholieke Universiteit Leuven Laboratory for Molecular Cell Biology*  
**OCCUPATION OR POSITION HELD** **PostDoc**

**WORK FIELD** **YEAST GENETICS**  
**DATE (FROM – UNTIL)** 2007- 2010  
**INSTITUTION** **FACULTY OF AGRICULTURE**  
**OCCUPATION OR POSITION HELD** **ASSISTANT PROFESSOR**

**WORK FIELD** **FUNCTIONAL ANALYSIS AND YEAST EVOLUTION**  
**DATE (FROM – UNTIL)** 2005-2007  
**INSTITUTION** **FACULTY OF AGRICULTURE**  
**OCCUPATION OR POSITION HELD** **HIGHER ASSISTANT**

**WORK FIELD** **WINE MICROBIOLOGY AND BIOTECHNOLOGY**

<sup>1,2,3</sup> Please add as many lines as necessary

\* All data should be listed chronologically, from newest to oldest

**DATE (FROM – UNTIL)** 1999-2005  
**INSTITUTION** ASSISTANT  
**OCCUPATION OR POSITION HELD** FACULTY OF AGRICULTURE  
**WORK FIELD** WINE MICROBIOLOGY AND BIOTECHNOLOGY

**EDUCATION<sup>2</sup>**  
 (CHRONOLOGICALLY)

**DATE** 2001-2005  
**PLACE** ZAGREB  
**INSTITUTION** FACULTY OF AGRICULTURE  
**TITLE OF QUALIFICATION AWARDED** PHD  
**DATE** 1999-2001  
**PLACE** ZAGREB  
**INSTITUTION** FACULTY OF AGRICULTURE  
**TITLE OF QUALIFICATION AWARDED** MSc  
**DATE** 1994-1999  
**PLACE** ZAGREB  
**INSTITUTION** FACULTY OF AGRICULTURE  
**TITLE OF QUALIFICATION AWARDED** BSc

**TRAINING**  
 (CHRONOLOGICALLY)

**YEAR** 2007  
**PLACE** Zagreb  
**INSTITUTION** Faculty of Agriculture  
**SUBJECTS AND SKILLS COVERED** Analysis of molecular biodiversitiy  
**YEAR** 2005  
**PLACE** Monza, Italy  
**INSTITUTION** Applied Biosystems  
**SUBJECTS AND SKILLS COVERED** Course on ABI Prism 7300 (Real time PCR)  
**YEAR** 2003  
**PLACE** Caparica, Lisabon, Portugal  
**INSTITUTION** Faculdade de Ciencias e Tecnologia, Universidade Nova de Lisboa, Caparica, Portugal  
**SUBJECTS AND SKILLS COVERED** van Uden International Advanced Course on "Molecular Ecology, Taxonomy and Identification of Yeasts"

**LANGUAGES**

**MOTHER TONGUE** CROATIAN  
**ENGLISH LANGUAGE** ENGLISH  
**SPEAKING** VERY GOOD  
**WRITING** VERY GOOD  
**READING** VERY GOOD

**OTHER FOREIGN LANGUAGES<sup>3</sup>**

<b>LANGUAGE</b>		<b>ITALIAN</b>
<b>SPEAKING</b>	<b>EXCELLENT</b>	
<b>WRITING</b>	<b>EXCELLENT</b>	
<b>READING</b>	<b>EXCELLENT</b>	
<b>LANGUAGE</b>		<b>SPANISH</b>
<b>SPEAKING</b>	<b>VERY GOOD</b>	
<b>WRITING</b>	<b>GOOD</b>	
<b>READING</b>	<b>GOOD</b>	
<b>LANGUAGE</b>		<b>GERMAN</b>
<b>SPEAKING</b>	<b>GOOD</b>	
<b>WRITING</b>	<b>GOOD</b>	
<b>READING</b>	<b>GOOD</b>	

**RESEARCH AND OTHER PROJECTS**

201(CHRONOLOGICALLY; LEADER AND ASSOCIATE; FUNDING SOURCE)

2021-2025 - Microbial ecology of lake ecosystems – a novel approach - Croatian Science Foundation- leader

2019-2023 – Klimatska ranjivost Hrvatske i mogućnost prilagodbe urbanih i prirodnih okoliša (Klima4HR); suradnik

2019-2023 - A multiphasic approach for deciphering the microbial ecology and biotechnological potential of hot springs in Croatia – Croatian Science Foundation co-leader with P.Pjevac

2018- 2022 – Adireef- Italy Croatia Interreg; collaborator

2017-2018 – Kategorizacija podloge, određivanje elementnog sastava, mikrobiološke zajednice na presušenom slapu ispod vegetacije; NP Krka

17.12.2015-28.01.2016. R/V Sonne UltraPac Expedition; scientist, chief scientist T.Ferdelman MPI, Bremen

2015 – Center of excellence for Science and Technology - Integration of Mediterranean Region (collaborator)

2015-2017 «Phylogentic analysis of the bacterial diversity in the sediment of Boka Kotorska bay» Croatia Montenegro bilateral program (coordinator)

2014-2016 “Investigation of structure and metabolic potential of sponge microbiome” Croatia-China bilateral program (coordinator)

2012-2015 COST action (ES1103) Microbial ecology & earth system: collaborating for insight and success with the new generation of sequencing systems

2012-2013 Temporal and spatial dynamics of prokaryotic communities inhabiting Adriatic solar salterns. Coordinator

2012-2015: Contamination risks to the Adriatic Sea from oil pollution (collaborator) Croatian Science Foundation

2011-2014: Biodiversity and biotechnological characterization of bacteria of the Adriatic Sea; coordinator; Croatian Science Foundation

2011- : Seasonal changes in picoplankton composition in the Northern Adriatic Sea as assessed by CARD-FISH and fingerprinting; DAAD project; coordinator

2009 : PICOADRIF; Adris foundation; collaborator

2009 – “ Barrier in the formation of hybrid *S.cerevisae/S.paradoxus* „- project leader, Croatian – Hungarian project

2008 - “Genetic characterization and comparative genomics of hybrids of the genus *Saccharomyces* of biotechnological importance” – prof. Eladio Barrio, Ministry of Science and Education of Spain; collaborator

2008 – “Caracterización del crecimiento de levaduras vínicas con interés para el sector industrial” Dr. Francisco Noé Arroyo López, Generalitat Valenciana; collaborator

2007- “Functional analysis and molecular characterization of wine yeast”; project leader; Croatian Ministry of Science

2002-2006 - "Characterization of indigenous yeast"; collaborator; Croatian Ministry of Science  
2003-2005 - "Microbiological methods in the improvement of Malvazija istarska"; project leader  
Ministry of Agriculture  
2003-2004 - "Sur lie technology"; collaborator, Ministry of Agriculture  
2002-2003 - "Deacidification of wine; collaborator, Ministry of Agriculture  
2001-2003 - "Wine yeast selection"; collaborator, Ministry of Agriculture

#### **MENTORSHIP OF DEFENDED DOCTORAL AND MASTER DISSERTATIONS AND TRAINING OF YOUNG RESEARCHERS AND SCIENTISTS**

(CHRONOLOGICALLY)

January 2017 external evaluator of the PhD thesis of Lucia Campirini (University of Udine):  
"Characterization and use of food matrices of *Lactobacillus casei* group strains"  
15.6.2015. PhD Marino Korlević "In depth analysis of bacterial diversity of the Adriatic Sea"  
June 2013. Member of the PhD committee Debbie Andyanto and Marco Vendrame University of  
Udine (external evaluator)  
11.06.2008. PhD mentor of Mario Staver « Quality of Malvazija istrska and indigenous  
*Saccharomyces cerevisiae* strains"  
  
30.10.2007. MSc mentor of Saša Topolovec «Selection of indigenous yeast isolated from Istra  
region »

#### **VISITS TO FOREIGN RESEARCH AND EDUCATION INSTITUTIONS**

(CHRONOLOGICALLY; ONLY VISITS LONGER THAN 3 MONTHS)

1.03.2008- 1.06.2009. University of Valencia (Spain) «Cavanilles» Institute for Biodiversity and  
Evolutionary Biology - prof.dr.sc. Eladio Barrio  
28.02-28.08. 2007. Katholieke Universiteit Leuven Laboratory for Molecular Cell Biology (Belgium)  
prof.dr.sc. P. Van Dijck  
1.04. – 1.07. 2006. Department of biotechnology – IATA CSIC- Valencia (Spain) – prof.dr.sc.  
A.Querol  
1.11.2003-1.02.2004– Department of Food Science University of Udine (Italy) – prof.dr.sc.  
G.Comi

#### **AWARDS AND RECOGNITION**

(CHRONOLOGICALLY)

Award of the Director of the Ruđer Bošković Institute (2011)  
National Annual Science Awards in the field of biotechnical science (for 2003) for the young  
researchers  
Alpe Adria grant – visiting- Department of Food Science, Udine, Italy  
FEMS visiting grant – Department of Biotechnology, IATA, Valencia, Spain  
FEMS Young Scientist Grant  
FEMS Invited Speaker Meeting Grant

#### **ORGANISATIONAL SKILLS AND COMPETENCES**

(CHRONOLOGICALLY; ORGANISATIONAL OF HOME AND INTERNATIONAL SCIENCE EVENTS )

2018- member of the Scientific Advisory Board of the 16th SAME (Potsdam, 2019)  
2017 - ISME (International Society for Microbial Ecology) Ambassador for Croatia  
2015 - President of the Organization Committee of the 15th Symposium of Aquatic Microbial  
Ecology Zagreb (2017)  
2014 – Scientific committee ISSY 31 (International Specialised Symposium on Yeast) Yeast  
Fermentation: from Genes to Application Aspects; Vipava (9-12.10).

2012 - Ocean Sampling Day (OSD)  
2008 - Member of the Scientific Committee of 32nd World Congress of vine and wine 2009, Zagreb  
2007 - Member of organization committee of Power of microbes in industry and environment, Zadar, Croatia  
2004 - Member of organization committee of Third Croatian Congress on Microbiology, Poreč

**MEMBERSHIP IN SCIENCE ORGANISATIONS AND BODIES**  
(CHRONOLOGICALLY; HOME AND INTERNATIONAL ORGANISATIONS AND BODIES)

Croatian Microbiological Society;  
Croatian Society of Biotechnology;  
Croatian Society of biochemistry and molecular biology;  
European Society of Biotechnology;  
American Society of Microbiology  
Society for Applied Microbiology

**COMMISSIONS, COMMITTEES, BOARDS AND WORK GROUPS**

(CHRONOLOGICALLY; HOME AND INTERNATIONAL)

2018 - member of the Mission Healthy Oceans, Seas, Coastal and Inland water, sub-group of the Horizon Europe Shadow Programme Committee  
2015 - alternate representative of Republic of Croatia in the JPI «Healthy and Productive Seas and Oceans» Management Board  
2013-2014 delegate of the RBI at the European Marine Board  
2013 - Advisor for strategic affairs for the general Director of Ruđer Bošković Institute (RBI)  
2012 - 2014 Domain Committee Delegate of Earth System Science and Environmental Management in COST-u (European Cooperation in Science and Technology) Representative of Croatia  
2012- 2013 member of the economical board of IRB  
2012- today Board of Management of the Institute of Agriculture and Tourism  
2010- 2013 Member of council of Oceanology at the IRB  
2007-2010 REPRESENTATIVE OF CROATIA AT THE OIV (WINE MICROBIOLOGY SECTION)

**PAPERS**

(CHRONOLOGICALLY; RESEARCH BOOKS, HOME AND INTERNATIONALS RESEARCH JOURNALS, HOME AND INTERNATIONAL CONFERENCE PROCEEDINGS)

**h-index 19**

**Citation: 1365 (24.06.2020)**

**Books chapter:**

1. Orlić, S.: Microbial diversity of sponge/Coral microbiome // Symbiotic Microbiomes of Coral Reefs Sponges and Corals / Li, Zhiyong (ur.). Amsterdam: Springer Netherlands, 2019. Str. 29-41.

Jokanović, S., Huter, A., **Orlić, S.** (2017): "Bacterial Diversity of Boka Kotorska Bay" in Boka Kotorska Bay Environment . Spinger (Ed)

Grba, S., **Orlić, S.** (2010) Yeast systematics. In Yeast Biotechnology (in Croatian)

**Orlić, S.,** Jeromel, A. (2010) Wine technology. In Yeast Biotechnology (in Croatian)

Comi, G., **Orlić, S.,** Redzepovic, S. (2004): Bacterial starter culture in the production of traditional sausages; Current Studies on Biotechnology Vol. III – Food; 87-92

#### Papers cited in CC:

1. Kulaš, A., Gulin, V., Matonički-Kepčija, R., Žutinić, P., Sertić Perić, M., **Orlić, S.,** Kajan, K., Stoeck, T., Lentendu, G., Čanjevac, I., Martinić, I., Gligora Udovič, M. (2021): Ciliates (Alveolata, Ciliophora) as bioindicators of environmental pressure: a karstic river case; Ecological Indicators, 124, May, 107430
2. Kulaš, A.; Marković, T.; Žutinić, P.; Kajan, K.; Karlović, I.; **Orlić, S.**; Keskin, E.; Filipović, V.; Gligora Udovič, M. (2021): Succession of Microbial Community in a Small Water Body Within the Alluvial Aquifer of a Large River. Water, 13, 115.
3. Marković, S., Kajan, K., Perović, S., Ivanić, M., Mačić, V., **Orlić S.** (2021): Anthropogenic influence on the environmental health along Montenegro coast based on the bacterial and chemical characterization; Environmental Pollution; 271; 116383
4. Mareckova, M., Boenigk, J., Bouchez, A., Cermakova, K., Chonova, T., Cordier, T., Eisendle, U., Elersek, T., Fazi, S., Fleituch, T., Frühe, L., Gajdosova, M., Graupner, N., Haegerbaeumer, A., Kelly, A-M., Kopecky J., Leese, F., Nöges, P., **Orlić, S.,** Panksep, K., Pawlowski, J., Petrussek, A., Piggott, J., Rusch, J., Salis, R., Schenk, J., Simek, K., Stovicek, A., Strand, D., Vasquez, M., Vrålstad, T., Zlatkovic, S., Zupancic, M., Stoeck, T. (2021): Expanding ecological assessment by integrating microorganisms into routine freshwater biomonitoring; Water Research; 191; 116767
5. Di Cesare, A., Pjevac, P., Eckert, E., Cukrov, N., Šparica Miko, M., Corno, G., **Orlić, S.** (2020): The role of metal contamination in shaping microbial communities in heavily polluted marine sediments; Environmental Pollution; 265; 114823
6. Mucko, M., Padisak, J., Gligora Udovič, M., Palmi, T., Novak, T., Medić, N., Gašparović, B., Peharec Štefanić, P. **Orlić, S.,** Ljubešić, Z. (2020): Characterization of a high lipid-producing thermotolerant marine photosynthetic pico alga from genus Picochlorum (Trebouxiophyceae) European Journal of Phycology 55(4): 384-399
7. Pjevac, P., Dyksma, S., Goldhammer, T., Mujakić, I., Koblizek, M., Mussman, M., Amann, R., **Orlić, S.** (2019): In situ abundance and carbon fixation activity of distinct anoxygenic phototrophs in a stratified seawater lake; Environmental Microbiology 21(10): 3896-3908
8. Reintjes, G., Tegetmeyer, H., Bürgisser, M., **Orlić, S.,** Tews, I., Zubkov, M., Voss, D., Zielinski, O., Quast, C., Gloeckner, O., Amann, R., Ferdelman, T., Fuchs, B. (2019): On site analysis of bacterial communities of the ultra-oligotrophic South Pacific Gyre; Applied and Environmental Microbiology 85(14): e00184-19
9. Hou, L, Hu, A., Zhang, K., **Orlić, S.,** Rashid, A., Yu, C.P.(2019): Decipher the assembly processes of the key ecological assemblages of microbial communities in thirteen full-scale wastewater treatment plants. Microbes and Environments 34(2): 169-179
10. Gacesa, R., D. Baranasic, A. Starcevic, J. Diminic, M., Korlević, M. Najdek Dragić, P.F. Long, J. Cullum, D. Hranueli, **S. Orlić,** J. Zucko. (2018): Bioprospecting for genes encoding hydrocarbon-degrading enzymes from metagenomic samples isolated from northern Adriatic Sea sediments; Food Technology and Biotechnology, 56(2): 270-277
11. Mucko, M., Bosak, S., Nakov, T., Ruck, E., **Orlić, S.,** Gligora Udovič, M., Peharec Štefanić, P., Špoljarić, I., Mršić, G., Ljubešić, Z. (2018): Morphological diversity and phylogeny of the diatom genus Entomoneis (Bacillariophyta) in marine plankton: six new species from the Adriatic Sea. Journal of Phycology 54 (2): 275-298
12. Feng, G., Sun, W., Zhang, F., **Orlić, S.,** Li, Z. (2018) Functional transcripts indicate phylogenetically diverse active ammonia – scavenging microbiota in sympatric sponges. Marine Biotechnology 2: 131- 143
13. Peris, D., Arias, A., **Orlic, S.,** Belloch, C., Peres-Travez, L., Querol, A., Barrio E. (2017): Mitochondrial introgression suggests extensive ancestral hybridization events among

*Saccharomyces* species; Molecular Phylogenetics and Evolution 108:49-60

14. Mejdandžić, M., Bosak, S., **Orlić, S.**, Gligora Udovič, M., Peharec Štefanić, P., Špoljarić, I., Mršić, G., Ljubešić, Z. (2017): *Entomoneis tenera* sp. nov., a new marine planktonic diatom (Entomoneidaceae, Bacillariophyta) from the Adriatic Sea, Phytotaxa 292 (1): 001-018
15. Korlević, M., Šupraha, Z. Ljubešić, J. Henderiks, I. Ciglonečki, J. Dautović, **S. Orlić.** (2016): Bacterial diversity across a strong vertical contrast ecosystem: a salt wedge karstic estuary. Systematic and Applied Microbiology 39: 398-408
16. Bižić-Ionescu, M., Zeder, M., Ionescu, D., **Orlić, S.**, Fuchs, B.M., Grossart, H-P., Amann, R. (2015): Comparison of bacterial communities on limnic vs. coastal marine particles reveals profound differences in colonization. Environmental Microbiology 17(10): 3500-3514 (IF 5,932; 2015; Q1).
17. Korlević, M., J. Zucko, Najdek Dragić, M., Blažina, M., Pustijanac, E., Vojvoda Zeljko, T., R. Gacesa, D. Baranasic, A. Starcevic, J. Diminic, P.F. Long, J. Cullum, D. Hranueli, **S. Orlić.** (2015): Bacterial diversity of polluted surface sediments in northern Adriatic Sea. Systematic and Applied Microbiology 38(3): 189-197. (IF 3,691; 2015; Q1)
18. Korlević, M., Pop Ristova, P., Garić, R., Amann, R., **Orlić, S.** (2015): Bacterial diversity in the South Adriatic Sea during a strong deep winter convection year. Applied and Environmental Microbiology 81(5): 1715-1726 (IF 3,823; 2015; Q1)
19. Pjevac, P., Korlević, M., Berg, J. Bura Nakić, E., Ciglonečki Jusić, I., Amann, R., **Orlić, S.** (2015): Community shift from phototrophic to chemotrophic sulfide oxidation following anoxic holomixis in a stratified seawater lake. Applied and Environmental Microbiology, 81(1): 298-308 (IF 3,823; 2015; Q1)
20. Kopt et al. (2015): The ocean sampling day consortium. GigaScience 4:27 (DOI 10.1186/s13742-015-0066-5) (IF 7,31)
21. Najdek, M., Paliaga, P., Šilović, T., Batistić, M., Garić, R., Supić, N., Ivančić, I., Ljubomir, S., Jasprica, N., Hrustić, E., Dupčić-Radić, I, Blažina, M., **Orlić, S.** (2014): Picoplankton community structure before, during and after convection event in the offshore waters in the southern Adriatic Sea; Biogeoscience -BG; 11:C 2645- 2659 (IF 3,753; 2013; Q1)
22. Comi, G., Chiesa, L, Pensieri, S., **Orlic, S.**, Iacumin, L. (2013): Evaluation of different methods to prevent *Penicillium nordicum* growth on and ochratoxin A production in country-style sausages. World Mycotoxin Journal; 6(4): 411-418 (Q2 Food Science, Toxicology, Public Health, Environmental and Occupational Health) (IF 2,380)
23. **Orlić, S.**, Najdek, M., Supić, N., Ivančić, I., Fuks, D., Blažina, M., Šilović, T., Paliaga, P., Godrijan, J., Marić, D. (2013): Structure and variability of microbial community a transect crossing a double gyre structure (north - eastern Adriatic Sea). Aquatic microbial ecology 69: 193-203 (Q1 u Applied Microbiology and Biotechnology, Aquatic Science, Ecology) (IF 1,901)
24. Šilović, T., Balague, V., **Orlić, S.**, Pedrós-Alió C (2012): Picoplankton seasonal variation and community structure in the northeast Adriatic coastal zone. FEMS microbiology ecology 82(3):678-691 (Q1 Ecology) (IF 3,563)
25. Fuks, D., Ivančić, I., Najdek, M., Lučić, D., Njire, J., Godrijan, J., Marić, D., Šilović, T., Paliaga, P., Blažina, M., Precali, R., **Orlić, S.** (2012): Changes in the planktonic community structure related to trophic conditions: the case study of the northern Adriatic Sea. Journal of Marine Systems. 96-97: 95-102 (Q1 Aquatic Science, Oceanography) (IF 2,655)
26. Iacumin, L., Manzano, M., Checchini, F., **Orlić, S.**, Zironi, R., Comi, G. (2012): Influence of specific fermentation conditions on natural microflora of pomace in "Grappa" production. World journal of microbiology & biotechnology 28(4): 1747-1759 Q2 Food Science) (IF 1,262)
27. **Orlić, S.**, Vojvoda, T., Huić-Babić, K., Arroyo Lopez, N., Jeromel, A., Kozina, B., Iacumin, L., Comi G. Diversity and oenological characterization of indigenous *Saccharomyces cerevisiae* associated with Žilavka grapes. // World journal of microbiology & biotechnology. 26 (2010); 1483-1489 (IF 1.214) (Q2 Food Science)
28. Kozlović, G., Jeromel, A., Maslov, L., Pollnitz, A., **Orlić, S.** Use of acacia barrique barrels - Influence on the quality of Malvazija from Istria wines. // Food chemistry. 120 (2010), 3; 698-702 (IF 3.458) (Q1 Food Science)
29. Ivančić I, Fuks D, Najdek M, Blažina M, Devescovi M, Šilović T, Paliaga P, **Orlić S.** (2010). Long-term changes in heterotrophic prokaryotes abundance and growth characteristics in the northern Adriatic Sea. Journal of Marine Systems 82, 206-216. (IF 2.005) (Q1 Aquatic Science, Oceanography)
30. **Orlić, S.**, Arroyo-Lopez, F. N., Huić-Babić, K., Iacumin, L., Querol, A., Barrio, E. A comparative study of the wine fermentation performance of *Saccharomyces paradoxus*

- under different nitrogen concentrations and glucose/fructose ratios. *Journal of applied microbiology*. 108 (2010), 1; 73-80 (IF 2.365) (Q1 Agricultural and Biological Sciences; Q2 Applied Microbiology and Biotechnology, Biotechnology, Microbiology)
31. Carović-Stanko, K., Orlić, S., Politeo, O., Strikić, F., Kolak, I., Miloš, M., Šatović, Z. Composition and Antibacterial Activities of Essential Oils of Seven *Ocimum* Taxa. // *Food Chemistry*. 119 (2010), 1; 196-201 (IF 3.458) (Q1 Food Science)
  32. Arroyo-Lopez, F. N., Orlic, S., Querol, A., Barrio, E. Effects of temperature, pH and sugar concentration on the growth parameters of *Saccharomyces cerevisiae*, *S. kudriavzevii* and their interspecific hybrid. *International Journal of Food Microbiology* (IF 2.581) **131** (2009), 2-3; 120-127. (Q1 Food Science)
  33. Iacumin, L., Cecchini, F., Manzano, M., Osualdini, M., Boscolo, D., Orlic, S., Comi, G. (2009): Description of the Microflora of Sourdough by Culture Dependent and Culture Independent Methods. *Food Microbiology* 26 (2): 128-135 (IF 2.039).
  34. Iacumin, L., Chiesa, L., Boscolo, D., Manzano, M., Cantoni, C., Orlic, S., Comi, G. (2009): Moulds and Ochratoxin A on surfaces of traditional and industrial dry sausages. *Food Microbiology*; 26 (1): 65-70 (IF 2.039).
  35. Kozina, B., Karoglan, M., Herjavec, S., Jeromel, A., Orlić, S. Influence of basal leaf removal on the chemical composition of Sauvignon Blanc and Riesling wines. // *Journal of food, agriculture and environment*. 6 (2008), 1; 28-33
  36. Belloch, C., Orlic, S., Barrio, E., Querol, A. (2008): Fermentative stress adaptation of hybrids within the *Saccharomyces sensu stricto* complex. *International Journal of Food Microbiology*; 122 (1-2): 188-195 (IF 2.581).
  37. Orlic, S., Redžepović, S., Jeromel, A., Herjavec, S., Iacumin, L. (2007): Influence of indigenous *Saccharomyces paradoxus* strains on Chardonnay wine fermentation aroma. *International Journal of Food Science and Technology*; 42 (1): 95-101 (IF 0.832).
  38. Herjavec, S., Jeromel, A., Da Silva, A., Orlic S., Redzepovic, S. (2007): The quality of white wines fermented in Croatian oak barrels. *Food Chemistry*: 100 (1): 124-128 (IF 2.433).
  39. Comi, G., Orlic, S., Redzepovic, S., Urso, R., Iacumin, L. (2004): Moulds isolated from Istrian dried ham at the pre-ripening and ripening level. *International Journal of Food Microbiology*; 96: 29-34 (IF 2.490).
  40. Herjavec, S., Majdak, A., Tupajic, P., Redzepovic, S., Orlic, S. (2003): Reduction in acidity by chemical and microbiological methods and their effect on Moslavac wine quality. *Food Technology and Biotechnology*; 41(3): 231-236 (IF 0.253).
  41. Redzepovic, S., Orlic, S., Majdak, A., Kozina, B., Volschenk, H., Viljoen-Bloom, M. (2003): Differential malic acid degradation by selected strains of *Saccharomyces* during alcoholic fermentation. *International Journal of Food Microbiology*; 83: 49-61 (IF 2.261).
  42. Majdak, A., Herjavec, S., Orlic, S., Redžepović, S., Mirošević, N. (2002): Comparison of wine aroma compounds produced by *S.paradoxus* and *S.cerevisiae* strains. *Food Technology and Biotechnology*; 40(2): 103-109 (IF 0.302).
  43. Redžepović, S., Orlic, S., Sikora, S., Majdak, A., Pretorius, I.S. (2002) Identification and characterization of *Saccharomyces paradoxus* and *Saccharomyces cerevisiae* strains isolated from Croatian vineyards. *Letters in Applied Microbiology*; 35: 305-310 (IF 1.182).

## Papers cited in the SCI

1. Orlić, S., Huić, K., Urlić, B., Redžepović, S. (2007): Screening for the production of extracellular hydrolytic enzymes by *Saccharomyces* wine yeasts isolated from Croatian vineyards. *Periodicum biologorum*; 109 (2): 201-204 (IF 0.205).

## Other papers

1. Marković, S., Paliaga, P., Kljajić, Z., Najdek-Dragić, M., Orlić, S. (2013): Identification and quantification of microbial community by CARD-FISH method in Boka Kotorska Bay. *Studia Marina* 26(1): 83-98
2. Bura Nakić, E., Marguš, M., Orlić, S., Ciglencečki, I. (2012): Zmajevsko oko – a unique example of anchialine system on the Adriatic coast (Croatia) during spring-summer stratification and autumn mixing period. *Natura Croatica* 21 supp 1; 17-20
3. Karoglan, M., Kozina, B., Jeromel, A., Orlić, S. (2008): The effect of partial defoliation on monoterpene levels of Gewurtztraminer wine (*Vitis vinifera* L.). *Poljoprivreda* 14(1): 25-40



4. Beljak, J., Jeromel, A., Hejravec, S., **Orlić, S.** (2008): Influence of autochthonous *Saccharomyces* spp. strains on the sulfur dioxide concentration in wine. *Journal of Central European Agriculture* 9 (2): 289-296
5. Dujmović, D., Babić, K., Jeromel, A., Redžepović, S., Kozina, B., Iacumin, L., **Orlić, S.** (2008): Selection of indigenous yeast strains isolated from cv. Gewurztraminer from Ilok wine-growing region. *Journal of Central European Agriculture* 9 (2): 323-328
6. Jeromel A., Herjavec, S., **Orlić, S.**, Redžepović, S., Wondra, M. (2008): Changes in volatile composition of Kraljevina wines by controlled malolactic fermentation. *Journal of Central European Agriculture* 9 (2): 363-372
7. Skelin, A., Sikora, S., **Orlić, S.**, Duraković, L., Redžepović, S. (2008): Genetic Diversity of Indigenous *Saccharomyces sensu stricto* Yeasts Isolated from Southern Croatia. *Agriculturae Conspectus Scientificus* 73 (2): 89-94
8. **Orlic, S.**, Pogačić, M., Jeromel, A., Karoglan, M., Kozina, B., Iacumin, L., Redžepović, S. (2008): Determination of killer character of wine yeast isolated from Istra. *Journal of Central European Agriculture* 9 (1): 95-100.
9. Herjavec, S., Jeromel, A., **Orlic, S.**, Kozina, B. (2007): Changes in volatile composition and sensory properties of Vugava wines aged in Croatia oak barrels. *Journal of Central European Agriculture*; 8(2): 194-204.
10. **Orlic, S.**, Ocic, N., Jeromel, A., Huic, K., Redžepović, S. (2005). Selection of Indigenous *Saccharomyces cerevisiae* Strains from Kutjevo Wine Growing Area at the Laboratory Scale. *Agriculturae Conspectus Scientificus*; 70(3):93-97.
11. Staver, M., Herjavec, S., **Orlic, S.**, Redžepović, S., Kovačević-Ganić, K., Jeromel, A., Peršurić, D. (2005). Influence of Indigenous *Saccharomyces cerevisiae* Strains on Higher Alcohol Content in Malvazija Istarska Wines. *Agriculturae Conspectus Scientificus*; 70(2):55-58.
12. **Orlic, S.**, Redžepovic, S., Iacumin, L., Comi, G. (2004): Brze metode za određivanje mikroorganizama u namirnicama. *Meso*; IV(1): 58-62.
13. Cantoni, C., Stella, S., Iacumin, L., Comi G., **Orlic, S.** (2003): *Sphingomonas paucimobilis*, un germe deteriorante latte e derivati (*Sphingomonas paucimobilis* as a deteriorative of milk and cream). *Industrie Alimentari*; XLII, marzo: 265-267.
14. Redžepović, S., Majdak, A., **Orlic, S.**, Herjavec, S. (2001): *Saccharomyces sensu stricto* indigenous strains and their effect on glycerol and malic acid concentration in wine. *Kemija u industriji*; 50(9): 469-475.

### International congress

- Pjevac, P., Dyksma, S., Amann, R., **Orlić, S.** (2016): Contributions of green and purple sulfur bacteria to total inorganic carbon fixation in a sulfidic seawater lake. 16th International Symposium on Microbial Ecology, Montreal, Canada, 21-26.08.
- Mejđandžić, M., Bosak, S., **Orlić S.**, Ljubešić, Z. (2016): A new marine planktonic Entomoneis species from the Adriatic Sea; *10th Central European Diatom Meeting Abstract and Program Book* ; 20-23.04.
- Mejđandžić, M., **Orlić, S.**, Bosak, S., Bošnjak, I., Cetinić, I., Peharec Štefanić, P., Sesar, T., Gašparović, B., Ljubešić, Z. (2016): Characterization of photosynthetic prokaryotes from the Southern Adriatic Pit ; *Abstracts of papers presented at the EMBO | EMBL Symposium: A New Age of Discovery for Aquatic Microeukaryotes*; Heidelberg, Njemačka, 26.-29.01.
- Korlević, M., J. Henderiks, Šupraha, L., Ljubešić, Z., **S. Orlić** (2015). Bacterial diversity along a salinity gradient in a salt wedge karstic estuary; Second SAME Conference on Aquatic Microbial Ecology: SAME-14, Uppsala (Sweden), 23-28.08
- Korlević, M., Zucko, J., Najdek Dragić, M., Blažina, M., Gacesa, R., Baranasic, D., Starcevic, A., Diminic, J., Hranueli, D., **Orlić, S.** (2014): Metagenomic approach in alkB identification; COST meeting Madrid, 10-11.04.
- Marković, S., Paliaga, P., Kljajić, Z., Najdek Dragić, M., **Orlić, S.** (2013): Estimation of bacterial community in the Boka Kotorska Bay (Montenegro) by CARD-FSIH method. Annual Conference of the Association for General and Applied Microbiology (VAAM) in collaboration with the Royal Netherlands Society for Microbiology (KNVM). Bremen, 10-13.03.
- Bižić-Ionescu, M., Zeder, M., Ionescu, D., **Orlić, S.**, Amann, R., Fuchs, B.M., Grossart, H-P. (2013): Particle associated bacterial communities are extremely heterogeneous, yet differ

profoundly between limnic and marine systems. First EMBO Conference on Aquatic Microbial Ecology SAME13 Stresa 8-13.9.

- Pjevac, P., **Orlić, S.**, Korlević, M., Bura Nakić, E., (2013): Microbial response to temperature induced anoxia in a marine carst lake. Annual Conference of the Association for General and Applied Microbiology (VAAM) in collaboration with the Royal Netherlands Society for Microbiology (KNVM). Bremen, 10-13.03.
- Bižić-Ionescu, M., Zeder, M., **Orlić, S.**, Amann, R., Grossart, H-P., Fuchs, B.M. (2013): Comparison of particle-associated microbial communities in limnic and marine systems. Annual Conference of the Association for General and Applied Microbiology (VAAM) in collaboration with the Royal Netherlands Society for Microbiology (KNVM). Bremen, 10-13.03.
- Bižić-Ionescu, M., Zeder, M., Marshall, J., **Orlić, S.**, Amann, R., Fuchs, B.M., Grossart, H-P. (2013): 3rd International Workshop "Research in Shallow Marine and Fresh Water Systems. Bremen, Njemačka, 14-15.02
- Bizic-Ionescu, M., Zeder, M., Ionescu, D., Marshall, J., Amann, R., Fuchs, B.M., Najdek, M., **Orlić S.** (2012): Free living and particle associated microbial communities in the north Adriatic Sea along a transect from Rovinj to the Po river delta. 14th International Symposium on Microbial Ecology, ISME14; Copenhagen, 19-24.08.
- Bižić-Ionescu, M., Zeder, M., Marshall, J., Orlić, S., Amann, R., Fuchs, B.M., Grossart, H-P. (2012): Comparison between particle-associated bacteria in limnic and marine systems. 14th International Symposium on Microbial Ecology, ISME14; Copenhagen, 19-24.08.
- Pjevac, P., Korlević, M., Bura Nakić, E., **Orlić S.** (2012): Vertical distribution of microbial communities in the Zmajevsko oko (Rogoznica lake) during stratified and mixed conditions. 14th International Symposium on Microbial Ecology, ISME14; Copenhagen, 19-24.08.
- Korlević, M., Ionescu, D., Paliaga, P., Šilović, T., Amann, R., Najdek, M., **Orlić, S.** (2012): Deep Ocean microbial communities in the South Adriatic Pit. 14th International Symposium on Microbial Ecology, ISME14; Copenhagen, 19-24.08.
- **Orlić, S.**, Marković, S. Najdek, M., Kljajić, Z. (2011): "Bacterial diversity of the Boka Kotorska bay" MICROBIOLOGIA BALKANICA, 7th Balkan Congress of Microbiology, 25-29 October.
- Peris, D., Belloch, C., **Orlić, S.**, Barrio, E. (2010): Hot spot recombination point in mitochondrial genome of genus *Saccharomyces* shows historical hybridization events. EMBO Conference Series Experimental Approaches to Evolution and Ecology using Yeast. Heidelberg, Germany, 29.09.-3.10.
- Arroyo-Lopez, F. N., **Orlic, S.**, Belloch, C., Querol, A., Barrio, E. (2008): Influence of temperature, pH and sugar concentration on the growth of wine yeasts for the industrial sector. XVI Congreso Nacional de Microbiología de los Alimentos; Cordoba, Spain, 14-17.09.
- **Orlic, S.**, Belloch, C., Barrio, E., Querol, A. (2007): Tolerance to some enological stresses of yeast strains in the *Saccharomyces sensu lato* group; XXIIIrd International Conference on Yeasts Genetics and Molecular Biology, Melbourne, Australia, 1-6.06.
- Herjavec, S., Jeromel, A., **Orlić, S.**, Redžepović, S. (2006): The influence of croatian oak wood on aroma profile and sensory characteristics of Vugava wine; XXIX International Congress of OIV; Logrono, Spain, 25-30.06.
- **Orlic, S.**, Redzepovic, S., Herjavec, S., Durakovic, S., Jeromel, A., Huic, K. (2005): Use of Different Molecular Methods in the Identification of *Brettanomyces* Spp. from Croatian Grapes and Wines. Joint Meeting of the 3 division of the International Union of microbiological societies 2005-XI International Congress of Micology, San Francisco, USA, 23-28.07.
- Herjavec, S., **Orlic, S.**, Jeromel, A., Redzepovic, S., Kozlovic, G. (2005): Effect of Acacia and Oak Wood on the Content of Phenolic Compounds in Malvazija and Vugava Wines. 56th Annual Meeting American Society for Enology and Viticulture, Seattle, USA, 20-24.06.
- Skelin-Vujic, A., Sikora, S., **Orlic, S.**, Redzepovic, S. (2004): Identification and characterization of indigenous *Saccharomyces cerevisiae* strains isolated from cv. Plavac mali. International Congress on Yeasts, Rio de Janeiro, Brasil 15-20.08.
- **Orlic, S.**, Huic, K., Durakovic, S., Redzepovic, S. (2004): The use of *Candida stellata* in

combination with *Saccharomyces cerevisiae* or *S.paradoxus* for glycerol production during fermentation. International Congress on Yeasts, Rio de Janeiro, Brasil, 15-20.08.

- **Orlic, S.**, Redzepovic, S. (2004): Occurrence of *Brettanomyces* spp. from Croatian grapes and wines. 12<sup>th</sup> Australian Wine Technical Conference. Melbourne, Australia, 24-29.07.
- **Orlic, S.**, Kozlovic, G., Jeromel, A., Redzepovic, S. (2004): Acacia barrels – new approach for improvement of Malvasia from Istria wines. 12<sup>th</sup> Australian Wine Technical Conference. Melbourne 24-29.07.
- Herjavec, S., Majdak, A., **Orlic, S.**, Redzepovic, S., da Silva, A. (2003): The quality of Chardonnay and Sauvignon wines produced in croatian oak barrels. I Balkan and III Macedonian Symposium for Vine Growing and Wine Production. Skoplje, Macedonia, 26-28 November
- Redzepovic, S., **Orlic, S.**, Majdak, A., Kozina, B., Volschenk, H., Viljoen-Bloom, M. (2003): Differential malic acid degradation by selected strains of *Saccharomyces* during alcoholic fermentation. 23<sup>rd</sup> International Specialised Symposium on Yeasts, Budapest, Hungary, 26-29.08.
- Cocolin, L., **Orlic, S.**, Iacumin, L., Manzano, M. and Comi, G. (2002): *Yersinia* spp. direct detection in food by molecular methods. International Conference: "Quality and risk assessment of agricultural food in the Mediterranean area" September 24-27 Foggia (Italy) [www.mediterranean.conference.isnet.it](http://www.mediterranean.conference.isnet.it)
- Redzepovic, S., **Orlic, S.**, Majdak, A., Kozina, B., Volschenk, H., Viljoen-Bloom, M. (2002): Evaluation of *Saccharomyces paradoxus* strain RO88 for Biological Deacidification of Wine. 22<sup>nd</sup> International Specialised Symposium on Yeasts, Pilanesberg, South Africa, 25-28.3.
- 26. Redzepovic, S., **Orlic, S.**, Majdak, A., Herjavec, S. (2001): *Saccharomyces paradoxus* new species in enology//26 th World Congress & General Assembly of the Office International de la Vigne et du Vin, Adelaide, Australia

#### • **National congress**

- Korlević, M., Pop Ristova, P., Kottmann, R., Amann, R., **Orlić, S.** (2013): Bacterial communities in the south Adriatic is dominated by SAR11. Power of microbes in industry and environment; Primošten, 9.12.10.
- Korlević, M., Pjevac, P., Ionescu, D., Bura Nakić, E., Najdek, M., **Orlić, S.** (2012): Microbial communities in the Zmajevo oko (Rogoznica lake) during stratified and mixed conditions. 5th Croatian Congress of Microbiology with international participation. Primošten, 26-30.09.
- **Orlić, S.**, Vojvoda, T. (2008): Functional analysis of ethyl esters genes in the *Saccharomyces* genus; Congress of the Croatian Society of Biochemistry and Molecular Biology with international participation. Osijek 17-20.09.
- **Orlić, S.**, Toplovec, S., Jeromel, A., Herjavc, S., Kozina, B., Redžepović, S. (2007): Enological characterization of yeast strains isolated from Istra. 42 hrvatski i 2 međunarodni simpozij agronoma. 13-16.02.
- **Orlic, S.**, Redzepovic, S. (2004): Changes in the microflora of Paski cheese, a traditional Croatian product. 2nd Central European Meeting and 5th Croatian Congress of Food Technologists, Biotechnologists and Nutritionists, Opatija
- Redzepovic, S., Pipinic, T., Iacumin, L., Comi, G., **Orlic, S.** (2004): Biodiversity of yeasts isolated form Kulen. Third Croatian Congress of Microbiology with international participation. Poreč, 4-7.10.
- Comi, G., **Orlic, S.**, Redzepovic, S., Urso, R., Iacumin, Stipic, N. (2004): Moulds isolated from Istrian dried ham; Third Croatian Congress of Microbiology with international participation. Poreč, 4-7.10.
- **Orlic, S.**, Redzepovic, S. (2004): *Brettanomyces* spp. in wine. Third Croatian Congress of Microbiology with international participation. Poreč, 4-7.10.
- Skelin-Vujić A., Sikora S., **Orlić S.**, Redžepović S. (2004): Genetička identifikacija autohtonih sojeva *Saccharomyces cerevisiae* primjenom RAPD metode. XXXIX Znanstveni skup hrvatskih agronoma s međunarodnim sudjelovanjem, 17-20 veljače, Opatija,

Hrvatska, Priopćenja 853-856

- Comi, G., **Orlic, S.**, Redzepovic, S. (2003): Bacterial starter culture in the production of traditional sausages; Biotechnology and Food, 3<sup>rd</sup> Croatian Scientific Conference about Biotechnology; Zagreb, February 17-20
- **Orlic, S.**, Redzepovic, S., Iacumin, L., Cocolin, L., Comi, G. (2002): Application of PCR-DGGE for identification microflora of Kulen; 1<sup>st</sup> Croatian Congress on Molecular Life Science with International participation, Opatija 9-13 June
- Redzepovic, S., **Orlic, S.** (2002): Physiological characterisation of yeast strains isolated from ice harvest of Chardonnay grapes; Power of Microbes in Industrial and Environment, Croatian, Hungarian and Slovenian Symposium on Industrial Microbiology and Microbial Ecology, Opatija 7-9 June.
- **Orlic, S.**, Redzepovic, S., Majdak, M. (2002): Influence of *Saccharomyces paradoxus* indigenous strains on composition of Chardonnay wine; Power of Microbes in Industrial and Environment, Croatian, Hungarian and Slovenian Symposium on Industrial Microbiology and Microbial Ecology, Opatija 7-9 June.
- Majdak, A., **Orlić, S.**, Redžepović, S., Herjavec, S. (2000): Influence of the *Saccharomyces sensu stricto* indigenous strains on glycerol and malic acid concentration of Gewurtz Traminer wine // *International conference - Prospects for viticulture and enology /* Pejić, I; Mirošević, N (ur.). Zagreb
- Redžepović, S., **Orlić, S.**, Sikora, S., Mirošević, N. (2000): Identification of *Saccharomyces paradoxus* and *Saccharomyces cerevisiae* Isolated from Zagreb Wine Region 2 Croatian Congress of Microbiology with International Participation, Brijuni, 3-6 October,
- Redžepović, S., **Orlić, S.**, Majdak, A., Kozina B. (2000). Biological wine deacidification with different yeast strains // *Book of invited papers and abstracts /* Pejić, I; Mirošević, N (ur.). Zagreb
- Redžepović, S., **Orlić, S.**, Comi, C., Mirošević, N. (2000): Characterization of Indigenous *Saccharomyces cerevisiae* Strains from Zagreb Region //36<sup>th</sup> Croatian Symposium on Agriculture with an International Participation, Opatija, February 22-25,

## Invited lecture

1. **Orlić S.** (2016) International courses "Next Generation Sequencing, Metagenomics and Microbial diversity"; International courses «Next Generation Sequencing and Bioinformatics: Methods, Tools and Applications in Basic Research, Clinical Diagnostics and much more" 27.5.
2. **Orlić S.** (2016): "Molecular approaches for the study of microbial communities: biodiversity and function" University of Messina 26.5.
3. **Orlić S.** (2016): Application of -omics in the study of the Croatian coast water systems; Institute of Hydrobiology; Biology Center Czech Academy of Science; 2.11.
4. **Orlić S.** (2015): "Molecular approaches for the study of microbial communities: biodiversity and function – a aquatic view ".Shanghai Jiao Tong University, China, 5.10
5. Barrio, E., Arias, A., **Orlić, S.**, Perez Torrado, R., Querol, A. (2009): The Genetics of *Saccharomyces cerevisiae* domestication. 7th Symposium on Genetic Resources for Latin America and the Caribbean. Pucon, Chile, 28-30.10.
6. **Orlic, S.** (2007): Functional genomics in fermenting yeasts. Power of Microbes in Industry and Environment. Zadar, Hrvatska, 19-22.09.
7. Redzepovic, S., **Orlic, S.**, Majdak, A., Sikora, S. Kozina, B. (2001): Selection of indigenous yeasts from croatian wine regions// Biotechnology and Environment, Scientific Conference with International Participation, Zagreb, February 19-22,

## OTHER RESEARCH ACTIVITIES

(CHRONOLOGICALLY; CHIEF EDITOR OR EDITOR OF RESEARCH BOOK, HOME AND INTERNATIONALS RESEARCH JOURNALS,

Referee for the following journals

- Marine Ecology
- Environmental Science and Pollution Research
- FEMS Microbiology Letters
- Journal of Applied Microbiology
- Letters of Applied Microbiology
- Systematic and Applied Microbiology
- Journal of Industrial Microbiology and Biotechnology
- Food Microbiology
- European Food Research and Technology
- Journal of Agriculture and Food Chemistry
- Agriculturae Conspectus Scientificus
- Journal of Biomedicine and Biotechnology
- International Journal of Wine Research
- Annals of Microbiology
- Food Chemistry

In the editorial board of the following journals:

Annals of Microbiology - Springer (2019 -

<https://www.springer.com/life+sciences/microbiology/journal/13213?detailsPage=editorialBoard>

Universal Journal of Microbiology Research

([http://www.hrpub.org/journals/jour\\_editorialboard.php?id=2](http://www.hrpub.org/journals/jour_editorialboard.php?id=2)) from 2013

*Bioscience and Bioengineering*

(<http://www.publicscienceframework.org/journal/editorialboard/bio.html>) from 2015

International Journal of Life Science and Engineering

(<http://www.publicscienceframework.org/journal/editorialboard/ijlse.html>) from 2015

AIMS Microbiology from 2015

<http://www.aimspress.com/news/131.html>

Annals of Marine Science from 2015

<http://www.peertechz.com/Marine-Science/editorialboard.php>

Referee for the National Science foundation, higher education and technological development of Croatia, National Research Foundation (NRF) of South African Republic and Bulgarian National Fund, SEE-ERA.NET PLUS Joint Call, Fondo para la Investigacion Cientifica y Technologica, Republic of Argentina, EUREKA, Innovation Fund Denmark, Ministry of Science and Education Croatia - Structural Funds; Shota Rustaveli National Science Foundation of Georgia

#### OTHER IMPORTANT SKILLS AND COMPETENCIES

- classical microbiological methods
- molecular methods (PCR; Southern Western, Northern, real time PCR, cloning, DGGE, CARD-FISH, NGS...)
- microbial selection
- yeast transformation
- hybridization
- Comparative genomic hybridization and transcriptome analysis
- phylogenetic analysis (MEGA; RDP3; PAUP; Reuter; ClustaW...)

- PCR site-directed mutagenesis

**ADDITIONAL DOCUMENTS AND NOTES**

**POPULAR TALKS**

**6.5.2016. CROATIAN BOTANICAL SOCIETY – PUT OKO SVIJETA U 46 DANA**

**15.7.2016. INSTITUT RUĐER BOKOVIĆ – PUT OKO SVIJETA U 46 DANA**

**15.7.2016. BAKTERIJE U PLAVETNILU**

**9.2. JUTARNJI LIST – RAT PROTIV PLASTIKE: NASTAVI LI SE OVAKO, ZA 30 GODINA U MORIMA ĆE JE BITI VIŠE NEGO RIBE!**



REPUBLIKA HRVATSKA  
NACIONALNO VIJEĆE ZA ZNANOST

**Matični odbor za područje biotehničkih znanosti**  
**- polje poljoprivrede, šumarstva, drvne tehnologije, biotehnologije i prehrambene tehnologije**

Klasa: 640-03/12-01/1268  
Ur. broj: 355-02-09-12-0002  
Zagreb, 26. listopada 2012.

Na temelju članka 35. i 95. Zakona o znanstvenoj djelatnosti i visokom obrazovanju (NN 123/03, 198/03, 105/04, 174/04, 46/07) Matični odbor za područje biotehničkih znanosti – polje poljoprivrede, šumarstva, drvne tehnologije, biotehnologije i prehrambene tehnologije na 16. sjednici održanoj 26. listopada 2012. donosi

**ODLUKU**  
o izboru u znanstveno zvanje

Dr.sc. SANDI ORLIĆ, docent Sveučilišta Jurja Dobrile u Puli, izabire se u znanstveno zvanje višeg znanstvenog suradnika, za znanstveno polje poljoprivreda u području biotehničkih znanosti.

**Obrazloženje**

Sukladno članku 35. i 95. Zakona o znanstvenoj djelatnosti i visokom obrazovanju pristupnik se javio na natječaj koji je raspisalo Sveučilište Jurja Dobrile u Puli, za izbor u znanstveno-nastavno zvanje.

Temeljem članka 95. st. 3. Zakona o znanstvenoj djelatnosti i visokom obrazovanju, na Matičnom se odboru provodi postupak izbora u znanstveno zvanje.

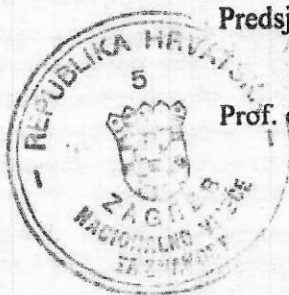
Na prijedlog Stručnog povjerenstva imenovanog na sjednici Fakultetskog vijeća Poljoprivrednog fakulteta Sveučilišta J.J.Strossmayera u Osijeku dana 12. srpnja 2012., koje je za pristupnika dalo svoje mišljenje o ispunjenju uvjeta iz Pravilnika o uvjetima za izbor u znanstvena zvanja – čl.1. tč.4. biotehničke znanosti (NN 84/05, 116/10), Fakultetsko vijeće Poljoprivrednog fakulteta Sveučilišta J.J.Strossmayera u Osijeku na sjednici održanoj 24. rujna 2012. utvrdilo je da pristupnik ispunjava sve uvjete za izbor u znanstveno zvanje višeg znanstvenog suradnika u znanstvenom području biotehničkih znanosti – polje poljoprivrede.

Matični odbor prihvatio je prijedlog Fakultetskog vijeća Poljoprivrednog fakulteta Sveučilišta J. J. Strossmayera u Osijeku te na 16. sjednici održanoj 26. listopada 2012. izabrao pristupnika u znanstveno zvanje višeg znanstvenog suradnika.

UPUTA O PRAVNOM LIJEKU: Protiv Odluke o izboru u znanstveno zvanje pristupnik nema pravo žalbe, ali može pokrenuti upravni spor.

Odluka se dostavlja:

1. dr.sc. Sandi Orlić
2. Poljoprivredni fakultet u Osijeku
3. Ministarstvo znanosti, obrazovanja i sporta



Predsjednica Matičnog odbora

*Pavić*  
Prof. dr.sc. Vesna Pavić



**Dr Slađana Krivokapić, vanredni profesor**  
**Univerzitet Crne Gore**  
**Prirodno-matematički fakultet**

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- SCOPUS ID: 30467845000
- ORCID ID: 0000-0002-6806-2350

#### NAUČNA OBLAST ISTRAŽIVANJA

Biologija/Botanika/Fiziološka ekologija/  
(eutrofikacija obalnih voda; teški metali i antioksidativna zaštita biljaka; biološki aktivne materije vaskularnih biljaka i marinskih algi)

#### OBRAZOVANJE

Godina	Stepen	Institucija	Oblast
2006.	Doktorat	Univerzitet u Novom Sadu	Biologija/Fiziologija biljaka
1998.	Magistratura	Univerzitet u Novom Sadu	Biologija/Genetika
1992.	Diploma	Univerzitet u Novom Sadu	Biologija

#### AKADEMSKA ZVANJA

2017- : Vanredni profesor za predmete Anatomija i morfologija biljaka i Fiziologija biljaka  
2012.-2016.: Vanredni profesor za predmete Anatomija i morfologija biljaka i Fiziologija biljaka  
2006.-2012.: Docent za predmete Anatomija biljaka i Fiziologija biljaka  
1999.-2006.: Asistent, Katedri za Botaniku, predmet Fiziologija biljaka  
1994.-1999.: Prirodno-matematički fakultetu u Podgorici (angažovana za izvođenje vježbi na predmetima Anatomija biljaka, Fiziologija biljaka i Marinska biologija)  
1992.-1993.: Saradnik ne predmetu Genetika, Odsjek za biologiju, Prirodno-matematički fakultet, Novi Sad

#### NASTAVA

• Anatomija i morfologija biljaka	Osnovne akademske
• Fiziologija biljaka	Osnovne akademske
• Kurs laboratorijskih tehnika	Specijalističke akademske
• Biološki aktivne materije biljaka	Master akademske
• Teški metali i antioksidativna zaštita biljaka	Master akademske
• Sekundarni metaboliti marinskih algi	Doktorske akademske
• Teški metali u životnoj sredini	Doktorske akademske
• Biološki aktivne materije biljaka	Doktorske akademske

#### ODABRANI PROJEKTI

2019.-2021.: Phytopreparations-natural materials with supercritical extracts for controlled released of active components- EUREKA  
2019.-2021.: Uticaj načina pripreme biljnih ekstrakata na prelazak teških metala iz biljke u pripravak-bilateralni naučno-istaživački projekat sa republikom Srbijom



2017.-2019.: Uticaj teških metala na promjenu metabolizma ljekovitog bilja -bilateralni naučno-istraživački projekat sa republikom Srbijom  
 2016.-2018.: Comprehensive processing of plant extracts for high value added products-EUREKA  
 2015-2016 :Istraživanje zagađenja Crnogorskog primorja i Skadarskog jezera organokalajnim jedinjenjima i toksičnim metalima-bilateralni naučno-istaživački projekat sa Republikom Hrvatskom  
 2012.-2015.:Ispitivanje uzročno-posljedične veze između sredora i zagađivača životne sredine i toksičnog efekta na ekosistem Zetske ravnice primjenom bioloških testova-nacionalni projekat

#### ODABRANE REFERENCE

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<b>Krivokapić, S.,</b> Bosak, S., Viličić, D., Kušpilić, G., Drakulović, D., Pestorić, B. (2018): Algal pigments distribution and phytoplankton group assemblages in coastal transitional environment – Boka Kotorska Bay (South eastern Adriatic Sea). <i>Acta Adriatica</i> 59(1):35-50.	SCI
<b>Krivokapić, S.</b> and Petrović, D., (2018): Trace metals in vegetables plants ( <i>Allium cepa</i> L., <i>Capsicum annum</i> L., <i>Lycopersicon esculentum</i> Mill and <i>Beta vulgaris</i> L.). <i>Fressenius Environmental Bulletin</i> 27 (5): 2690-2696	SCI
Kastratović, V., Bigović, M., Jaćimović, Ž., Kosović, M., Đurović, D., <b>Krivokapić, S. (2018):</b> Levels and distribution of cobalt and nickel in the aquatic macrophytes found in Skadar Lake, Montenegro. <i>Environmental Science and Pollution Research</i> . 25(27):26823-26830.	SCI
Kastratović, V., Jaćimović, Ž., Bigović, M., Kosović, M., Đurović, D., <b>Krivokapić, S. (2017):</b> Seasonal patterns of Cu in a system of sediment-water-macrophytes. <i>Fressenius Environmental Bulletin</i> 26 (2):1247-1253. ISSN1018-4619.	SCI
Pejatović, T., Samardžić, D., <b>Krivokapić, S. (2017):</b> Antioxidative properties of a traditional tincture and several leaf extracts of <i>Allium ursinum</i> L. (collected in Montenegro and Bosnia and Herzegovina). <i>Journal of Materials and Environmental Sciences</i> 8(6): 1929-1934. ISSN:2028-2508.	
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Petrović, D., Jančić D., Furdek, M., Mikac, N., <b>Krivokapić, S. (2016):</b> Aquatic plant <i>Trapa natans</i> L. as bioindicator of trace metal contamination in freshwater lake (Skadar lake, Montenegro). <i>Acta Botanica Croatica</i> . 75 (2): 236-243. DOI 10151/botcro- 2016-031	SCI
Andić, B., Dragičević, S., Stešević, D., Jančić D., <b>Krivokapić, S. (2015):</b> Comparative analysis of trace elements in the mosses – <i>Bryum argenteum</i> Hedw. And <i>Hypnum cupressiforme</i> Hedw. In Podgorica (Montenegro). <i>J. Mater. Environ. Sci.</i> 6 (2) 333-342. ISSN: 2028-2508.	
Kastratović, V., Jaćimović, Ž., Bigović, M., Đurović, D. <b>Krivokapić, S. (2016):</b> The distribution and accumulation of chromium in the water, sediment and macrophytes of Skadar Lake, Kragujevac <i>J. Sci.</i> 38: 125-134.	
Kastratović, V., Jaćimović, Ž., Đurović, D., Bigović, M., <b>Krivokapić, S. (2015):</b> <i>Lemna minor</i> L. as bioindicator of heavy metal pollution in Skadar Lake (Montenegro), Kragujevac <i>J. Sci.</i> 37: 123-134.	

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Drakulovic, D., Pestoric, B., Joksimovic, D., Redzic, A., Petovic, S., <b>Krivokapic, S.</b> (2014): Dinoflagellate assemblages in the Boka Kotorska Bay. Studia Marina 27(1) 65-84.	
Petrović. D., <b>Krivokapić, S.</b> , Jančić, D. (2013):Contents of heavy metals (Zn, Mn, Cu) in different parts of <i>Trapa natans</i> L. From Skadar lake, Montenegro. Natura Montenegrina 12 (3-4) 925-935. ISSN 1451-5776(CD ROM) .ISSN 1800-7155 (on line).	
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<b>Krivokapić, S.</b> , Pestorić, B., Kušpilić, G., Bosak, S., Wexels Riser, C. (2011): Trophic state of Boka Kotorska Bay (Eastern Adriatic Sea). Fresenius Environmental Bulletin, 20 (8) 1960-1969. ISSN 1018-4619.	SCI
<b>Krivokapić, S.</b> ,Pestorić, B. (2011): Chlorophyll <i>a</i> and trophic state in the BokaKotorska Bay (Eastern Adriatic Sea). Journal of Environmental Science and Engineering, 5 (4) 420-427. ISSN 1934-8932 (print) ISSN 1934-8940 (on line).	
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<b>Krivokapić, S.</b> , Stanković, Ž., Vuksanović, N. (2009): Seasonal variations of phytoplankton biomass and environmental conditions in the inner Boka Kotorska Bay (eastern Adriatic Sea). Acta Botanica Croatica, 68 (1) 45-55. ISSN 0365-0588	SCI

Crna Gora		UNIVERZITET CRNE GORE	
PRIRODNO-MATEMATIČKI FAKULTET			
Primljeno:	24	Broj:	10
Org. jed.		Službeni list Crne Gore	br. 44/14
		Senat Univerziteta Crne Gore	2017
			jednost

Na osnovu čl. 72 stav 2 Zakona o visokom obrazovanju („Službeni list Crne Gore“ br. 44/14, 2014, 2015, 2016, 40/16, 42/17), čl.32 stav 1 tačka 9 i čl. 88 Statuta Univerziteta Crne Gore, Senat Univerziteta Crne Gore na sjednici održanoj 16.10.2017.godine, donio je

### ODLUKU

**I Ne vrši se izbor dr Slađane Krivokapić u akademsko zvanje redovni profesor Univerziteta Crne Gore za oblast Anatomija, morfologija i fiziologija biljaka na Prirodno-matematičkom fakultetu Univerziteta Crne Gore.**

**II Dr Slađana Krivokapić bira se u akademsko zvanje vanredni profesor Univerziteta Crne Gore za oblast Anatomija, morfologija i fiziologija biljaka na Prirodno-matematičkom fakultetu Univerziteta Crne Gore, na period od pet godina.**

**III Odluka je konačna.**

### Obrazloženje

Univerzitet Crne Gore raspisao je 14.01.2017. godine Konkurs za izbor u akademsko zvanje za oblast Anatomija, morfologija i fiziologija biljaka na Prirodno-matematičkom fakultetu Univerziteta Crne Gore.

Na konkurs se prijavio jedan kandidat, dr Slađana Krivokapić, vanredni profesor na Prirodno-matematičkom fakultetu UCG.

Referat za izbor u akademsko zvanje za navedene predmete objavljen je u Biltenu Univerziteta Crne Gore br.405 od 04.07.2017. godine.

Članom 72 stav 2 Zakona o visokom obrazovanju predviđeno je da lica u akademski zvanja bira Senat Univerziteta na osnovu javnog konkursa, na period od pet godina, izuzev redovnog profesora koji se bira na neodređeno vrijeme, dok je članom 73 stav 1 ovog zakona predviđeno da u akademski zvanja može biti izabrano lice koje ima doktorat nauka i provjerene pedagoške sposobnosti.

Članom 88 Statuta Univerziteta Crne Gore definisano je da Naučni odbor daje mišljenje Senatu o usklađenosti blagovremenih i potpunih prijava sa propisanim uslovima i kriterijumima za izbor i da Senat, na prijedlog organizacione jedinice, imenuje komisiju za pisanje recenzija. Recenzenti podnose pojedinačne izvještaje u skladu sa uputstvom za pisanje izvještaja koje utvrđuje Senat. Recenzije se objavljuju u Biltenu Univerziteta Crne Gore i dostupne su javnosti 30 dana od dana objavljivanja, u kom roku se mogu podnijeti prigovori. Vijeće organizacione jedinice, na osnovu izvještaja recenzenata, utvrđuje prijedlog za Senat, u roku od 30 dana od isteka posljednjeg dana uvida javnosti, odnosno po isteku roka za izjašnjenje po prigovoru.

Članom 13 Mjerila za izbor u akademski i naučni zvanja, između ostalog je predviđeno, da u zvanje redovnog profesora može biti izabrano lice koje ima najmanje četiri rada, od kojih najmanje dva rada nakon prethodnog izbora, moraju biti priznati u međunarodnoj i domaćoj javnosti kao značajan doprinos nauci, struci ili moraju imati veliki značaj za nacionalnu ili državnu samobitnost ili kulturu.

Kod dva rada rada, ostvarena u periodu poslije izbora u prethodno zvanje, kandidat mora biti prvi, odnosno vodeći autor.

Referat za izbor u akademsko zvanje za navedenu oblast razmatralo je Vijeće Prirodno-matematičkog na sjednici od 28.08.2017. godine, saglasno članu 88 stav 13 Statuta i utvrdilo prijedlog br. 2203 da se dr Slađana Krivokapić izabere u akademsko zvanje redovni profesor Univerziteta Crne Gore za navedenu oblast.

Naučni odbor je, shodno ovlaštenjima iz čl.88 Statuta dostavio Senatu mišljenje o ispunjenosti kriterijuma za izbor u akademsko zvanje br. 01/8-248/3 od 15.09.2017. godine u kome se navodi da dr Slađana Krivokapić ima objavljena dva poglavlja u monografiji izdatoj od strane renomiranog međunarodnog izdavača (Springer) na kojima nije prvi autor, kao i 8 radova u kategoriji 1.2.1. (radovi objavljeni u časopisima koji se nalaze u međunarodnim bazama podataka), na kojima nije prvi autor.

Vijeće za prirodne i tehničke nauke, na sjednici održanoj 11.10.2017.godine razmatralo je predmetni referat, prijedlog Vijeća Prirodno-matematičkog fakulteta, Izvještaj o održanom inauguracionom predavanju i mišljenje Naučnog odbora, pa je usvojilo većinsko mišljenje da se dr Slađana Krivokapić izabere u akademsko zvanje redovni profesor za navedenu oblast.

Senat Univerziteta Crne Gore na sjednici održanoj 16.10.2017.godine razmatrao je referat za izbor u akademsko zvanje za navedenu oblast, objavljen u Biltenu UCG br. 405 /17, prijedlog Vijeća Prirodno-matematičkog fakulteta, Izvještaj komisije o održanom inauguracionom predavanju, mišljenje Vijeća za prirodne i tehničke nauke i mišljenje Naučnog odbora o ispunjenosti kriterijuma za izbor u akademsko zvanje.

Saglasno odredbama člana 37 stav 1 Statuta Univerziteta Crne Gore Senat donosi odluke većinom glasova ukupnog broja članova koji imaju pravo odlučivanja, a stavom 2 istog člana Statuta propisano je da pravo odlučivanja imaju samo članovi Senata sa istim ili višim akademskim zvanjem.

U konkretnom slučaju, od ukupno 37 članova Senata, 18 članova ima pravo glasa (akademsko zvanje redovni profesor i naučni savjetnik-zvanje ekvivalentno zvanju redovnog profesora).

Od ukupno 37 članova Senata sjednici je prisustvovalo 33 člana, što predstavlja kvorum potreban za rad, saglasno članu 15 Poslovnika o radu Senata Univerziteta Crne Gore.

U smislu člana 37 stav 2 Statuta glasalo je 17 članova Senata sa akademskim zvanjem redovni profesor i nučnim zvanjem naučni savjetnik, od kojih je 8 članova glasalo za izbor dr Slađane Krivokapić u zvanje redovni profesor, 9 članova je bilo uzdržano i nijedan član nije glasao protiv.

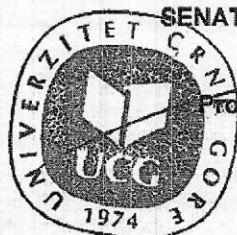
Kako se odluka donosi većinom glasova ukupnog broja članova Senata koji imaju pravo glasa (18 članova) u smislu čl. 37 stav 1 Statuta UCG, konstatovano je da nije izvršen izbor prof. dr Slađane Krivokapić u akademsko zvanje redovni profesor Univerziteta Crne Gore za oblast Anatomija, morfologija i fiziologija biljaka na Prirodno-matematičkom fakultetu Univerziteta Crne Gore, odnosno odlučeno je kao u stavu I izreke.

Nakon ove odluke, a imajući u vidu odredbe člana 8 Mjerila za izbor u akademska i naučna zvanja kojima je propisano da licu koje nije ponovo izabrano prestaje radni odnos na Univerzitetu ako se za njega na Univerzitetu, odnosno organizacionoj jedinici Univerziteta ne mogu obezbijediti poslovi i zadaci koji odgovaraju njegovoj stručnoj spremi i radnim, odnosno stručnim kvalifikacijama, Senat je postupkom glasanja (od ukupno 27 članova sa pravom pravo glasa, prisutno je bilo i glasalo je 25 članova, 25 članova Senata je glasalo ZA, nijedan član protiv, nijedan član uzdržano) odlučio da izabere dr Slađanu Krivokapić u akademsko zvanje vanredni profesor za navedenu oblast (reizbor), kako je precizirano u stavu II izreke ove odluke.

U skladu sa članom 88 stav 15 Statuta Univerziteta Crne Gore, odluka Senata je konačna.

**PRAVNA POUKA:** Protiv ove odluke može se izjaviti tužba nadležnom sudu, u roku od 15 dana od dana prijema iste.

Broj: 03-265314  
Podgorica, 16.10.2017.godine



SENAT UNIVERZITETA CRNE GORE  
Predsjedavajući

Prof. dr Danilo Nikolić, v.f. rektora

## **BIOGRAFIJA**

**Ime:** Andrej Perović

**Zvanje:** dr sci, redovni profesor

**Datum i mjesto rođenja:** 26.02.1971. godine u Moskvi, Rusija.

### **Obrazovanje:**

Osnovnu i srednju školu (gimnazija, prirodno-matematički smjer) završio u Podgorici. Od 1989. godine studirao na Biološkom fakultetu Moskovskog državnog univerziteta "M.V. Lomonosov" u Moskvi, gdje je diplomirao 1994. godine. Magistarski rad iz oblasti neurofiziologija pod nazivom: **"Uticaj vazopresinu srodnih peptida na posredovanu glutamatom ekscitatornu sinaptičku transmisiju u hipokampusu"** uradio na Institutu Mozga, Ruske Akademije nauka, u laboratoriji za Funkcionalnu sinaptologiju, Katedre za neuro-fiziologiju pod rukovodstvom Prof.dr Vladimira Skrebickog. Magistarski rad iz oblasti Genetika, pod nazivom: **"Uticaj utrogestana na učestalost razmjena sestrinskih hromatida (SCE) u sistemu humanih ćelija *in vitro*"** urađen pod mentorstvom akademika Prof.dr Dragoslava Marinkovića, odbranio 1998. godine na Biološkom fakultetu Univerziteta u Beogradu. Rad je urađen u laboratoriji za Humanu genetiku, Kliničko-bolničkog centra na Zvezdari, Beograd.

Doktorsku disertaciju pod nazivom **"Uticaj noradrenalina na aktivnost enzima antioksidativne zaštite u mrkom masnom tkivu i srcu eutiroidnih i hipotiroidnih pacova "** odbranio 2005. godine na Institutu za fiziologiju i biohemiju, Biološkog fakulteta, Univerziteta u Beogradu, pod rukovodstvom Prof.dr Vukosave Davidović.

### **Podaci o radnim mjestima i izborima u zvanje:**

Neposredno nakon diplomiranja, 1994. godine zaposlio se na Odsjeku za biologiju, Prirodno-matematičkog fakulteta u Podgorici u svojstvu asistenta-pripravnika, a u zvanje asistenta izabran 1999. godine za predmete Fiziologija životinja i Uporedna fiziologija. Školske 1997. godine angažovan kao asistent na Medicinskom fakultetu na predmetu Biologija sa humanom genetikom.

U zvanje docent izabran 2006 godine na predmetima: Opšta fiziologija Uporedna fiziologija na Prirodno-matematičkom fakultetu i Humana genetika na Medicinskom fakultetu, a u zvanje redovni profesor izabran 2018 godine na istim predmetima.

Od 2008 do 2013 godine bio prodekan za nauku i međunarodnu saradnju na PMFu.

**Iskustvo u procesu nastave i edukacije:**

- Asistent na predmetima Opšta fiziologija, Uporedna fiziologija, na Prirodno-matematičkom fakultetu;
- Asistent na predmetima Humana genetika na Medicinskom fakultetu i Biologija sa humanom genetikom na Studijskom programu Stomatologija, Medicinskog fakulteta.
- Profesor na predmetima Opšta fiziologija, Uporedna fiziologija, na Prirodno-matematičkom fakultetu;
- Profesor na predmetima Humana genetika na Medicinskom fakultetu i Biologija sa humanom genetikom na Studijskom programu Stomatologija, Medicinskog fakulteta.
- Profesor na predmetima Genotoksikologija, Biologija ćelije i ćelijski signali, i Metodika naučnog rada na specijalističkim i magistarskim studijama Eksperimentalna biologija i biotehnologija; na Prirodno-matematičkom fakultetu.
- Profesor na predmetu Ekofiziologija na specijalističkim i magistarskim studijama Ekologija i zaštita životne sredine, na Prirodno-matematičkom fakultetu.
- Profesor na predmetu Laboratorijski praktikum na specijalističkim i magistarskim studijama Nastava biologije, na Prirodno-matematičkom fakultetu.
- Profesor na predmetu Ekotoksikologija na doktorskim studijama, na Prirodno-matematičkom fakultetu.

**Naučna usavršavanja:**

Kroz međunarodne naučno-istraživačke programe usavršavao se na više univerziteta i instituta u inostranstvu.

2002-2007 godine, 1 do 2 mjeseca godišnje boravio na Institutu za zoologiju, u laboratoriji za Ekologiju i toksikologiju, Univerziteta u Hajdelbergu, i na Medicinskom institutu, Univerziteta u Hajdelbergu, Njemačka, radeći na usavršavanju i primjeni bioloških testova na više bioloških modela u dijagnostikovanju različitih faktora uticaja na organizame, np., efekata toksičnih, teratogenih, genotoksičnih i mutagenih supstanci i kompleksnih smješa prisutnih u životnoj sredini, procjena uticaja i otkrivanje mehanizama djelovanja.

2002-2003. godine (2mjeseca) Biotehnički fakultet, Laboratorija za molekularnu genetiku, Univerzitet u Ljubljani, Slovenija;

2007-2008. godine (2 mjeseca) Institut za biohemiju i bioenergetiku, Univerzitet u Compobasso, Italija; (projekat INTERREG III/A)

2008. godine (2 nedjelje) Karl-Franzens-University u Graz-u, Austrija ;

2009. godine (1 mjesec) Institut Bioforsk (Norveški institut za agronomiju i životnu sredinu), Oslo, Norveška (Projekat DRIMON);

2010. godine (1 mjesec) Univerzitet WU Amsterdam, Institut za Ekotoksikologiju, Holandija; (projekat NEWEN).

#### **Naučno-istraživački i razvojni projekti:**

Od 2004. godine aktivno radio na stvaranju infrastrukture i opremanju laboratorija za Fiziologiju, Ekofiziologiju i Ekotoksikologiju na studijskom programu Biologija, Prirodno-matematičkog fakulteta. Bio koordinator i aktivni učesnik u više međunarodnih i domaćih projekata u okviru kojih je nabavljena značajna oprema i infrastruktura za naučno-istraživački rad iz pomenutih oblasti na PMFu, od kojih su najznačajniji:

2002-2007: Koordinator za Crnu Goru međunarodnog projekta : EULIMNOS, partneri: German Rectors Conference , University of Heidelberg, University of Skhodar, University of Montenegro (<http://www.eulimnos.org>);

2006-2009: Koordinator za Crnu Goru: "Interdisciplinary assessment of water resource management in two transboundary lakes in South Eastern Europe (DRIMON)", partneri: Norwegian Institute for Water Research (NIVA) i Research Council of Norway. (<http://www.niva.org>);

2008-2011: Aktivni učesnik u projektu NEWEN (Netherlands and Western Balkans Environmental Network), partneri: LeAF- Lettinga Associates Foundation, Wageningen University and Research, Unesco-Institute for Hydraulic Engineering and Institute for Environmental Studies- Vrije Universiteit Amsterdam;

2008-2009: Aktivni član projekta LMOCP (Labor Market Oriented Curriculum) Experimental Biology and Biotechnology. WUS-Austria Project;

2012-2013: Rukovodilac bilateralnog projekta sa Slovenijom: "Environmental Impact in the Goriška region and Skadar Lake region as a result of agricultural activities".

2012-2016: Lider nacionalnog projekta, ECOTOX: "Korišćenje bioloških testova za procjenu toksičnosti zemljišta u regionu Skadarskog jezera" (Using bioassays for evaluation toxicity soils in region of Skadar Lake);

2014-2019 Koordinator za PMF CEEPUS Network: CIII-SI-0905-03-1617 Training and research in environmental chemistry and toxicology.

2016-2017: Aktivni član projekta EUREKA: "Sveobuhvatna proizvodnja biljnih ekstrakata za visoko kvalitetne proizvode sa dodatom vrijednošću" (Comprehensive processing of plant extracts for high value added product).

2016-2018: Aktivni član Bilateralnog projekta sa Srbijom: " Ispitivanje hemipreventivnog potencijala ljekovitih i aromatičnih biljaka iz ruralnih regiona Crne Gore".

**Drugi angažmani:**

- od 2010. godine recenzent programa za državna takmičenja iz Biologije za osnovne i srednje škole, u organizaciji Ispitnog centra Crne Gore.
- od 2011. godine vođa tima i organizator priprema srednjoškolaca, pobjednika državnog takmičenja iz biologije , za učešće na Međunarodnoj biološkoj olimpijadi (IBO) .

**Posjeduje aktivno znanje ruskog i engleskog jezika.**