

PERSONAL INFORMATION

Name and surname	Mirjana Grujovic
Date and place of birth	18. 01. 1990. Kragujevac
Scientific title	Research Associate
E-mail	mirjana.grujovic@pmf.kg.ac.rs mirjanag@kg.ac.rs
Educational-scientific / educational-artistic field	Natural sciences
University, Faculty, Organizational unit	University of Kragujevac, Institute for information technologies, Kragujevac, Department of natural and mathematical sciences
Research field and areas	Biology/Microbiology

EDUCATION

BACHELOR

Year	2009-2012.
Place	Kragujevac
Institution	University of Kragujevac, Faculty of Science, Department of Biology and Ecology

MASTER STUDIES

Year	2012-2014.
Place	Kragujevac
Institution	University of Kragujevac, Faculty of Science, Department of Biology and Ecology

DOCTORAL DISSERTATION

Year	2014-2019.
Place	Kragujevac

Institution	University of Kragujevac, Faculty of Science, Department of Biology and Ecology
Title of doctoral dissertation	Physiological characterization of lactic acid bacteria isolated from autochthonous cheese from southeastern Serbia and evaluation of their biotic potential
Scientific title	Ph.D. in Biological Sciences
Research area	Biology/Microbiology

PROFESSIONAL BIOGRAPHY – ELECTION IN RESEARCH OR SCIENTIFIC TITLE

Date	Institution	Scientific title
28.01.2015.	University of Kragujevac, Faculty of Science, Department of Biology and Ecology	Junior Research Assistant
31.01.2018.	University of Kragujevac, Faculty of Science, Department of Biology and Ecology	Research Assistant
23.04.2020.	University of Kragujevac, Faculty of Science, Department of Biology and Ecology	Research Associate

PROFESSIONAL BIOGRAPHY - TRAINING

Year	Institution	Duration
2018.	Institute for Public Health of Vojvodina	14 days

ENGAGEMENT IN THE FORMATION OF SCIENTIFIC PERSONNEL

Member of the Commission for the evaluation and defense of candidate Katarina Pecić's master's theses, "RNA viruses: Coronaviridae family" and candidate Katarina Stokić, "The influence of celery extracts (*Apium graveolens* L.) on the growth and biofilm formation of pathogenic bacteria isolated from food"; President of the Committee for the Evaluation and Defense of the Master's Thesis of Candidate Nikola Knežević, "Selected Aspects of the

Application of Bacteria in Medicine and Biotechnology" at the Faculty of Science and Mathematics in Kragujevac.

Mirjana Grujović, Ph.D., is the supervisor of the doctoral dissertation of candidate Tanja Žugić Petrović, M.Sc., " Microbiota of autochthonous fermented product sjenica sheep's ham" (Decision of the Council for Natural and Mathematical Sciences of the University of Kragujevac, number IV-01-9/18, January 19, 2022) at the Faculty of Science and Mathematics in Kragujevac. The dissertation was successfully defended on December 1, 2022.

PARTICIPATION IN NATIONAL PROJECTS FINANCED BY MINISTRY OF EDUCATION/MINISTRY OF SCIENCE AND TECHNOLOGICAL DEVELOPMENT/SCIENCE FUND OF THE REPUBLIC OF SERBIA:

2018 - 2019. Project of the Ministry of Education, Science and Technological Development of the Republic of Serbia, III 41010 "Preclinical testing of bioactive substances" - manager assistant. Dr. Snežana Marković.

PARTICIPATION IN INTERNATIONAL PROJECTS

2019 - 2023. Participant at COST action CA18113 (STSM grant ECOSTSTSM-Request-CA18113-45768) EuroMicropH: Understanding and exploiting the impacts of low pH on microorganisms, working group 5; Action Chair Peter Lund, University of Birmingham – School of Biosciences, Birmingham – United Kingdom)

2020 - 2021. Multilateral project (DS10) 337-00-00322/2019-09/107 between Pavol Jozef Šafárik University in Košice, Slovakia (Maria Piknova), Technical University Ostrava, Czech Republic (Vladimír Čablík) and Faculty of Science, University of Kragujevac (Aleksandar Ostojić): Metal microorganism's interaction as a basic for progressive biotechnological processes.

MEMBERSHIP IN SCIENTIFIC AND PROFESSIONAL ASSOCIATIONS

Member of the Serbian Biological Society Stevan Jakovljević from Kragujevac;
Member of the Serbian Biological Society, Belgrade

ORGANIZATION OF NATIONAL/INTERNATIONAL SCIENTIFIC MEETINGS (CONFERENCES, CONGRESSES...)

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LIST OF SCIENTIFIC PAPERS:

Monographs, Monographic studies, Thematic anthologies	Sum
Papers published in scientific journals of international scientific importance	Sum
	37
<p>1. Mirjana Grujović, Katarina Mladenović, Teresa Semedo-Lemsaddek, Matra Laranjo, Olgica Stefanović, Sunčica Kocić-Tanackov, Advantages and disadvantages of non-starter lactic acid bacteria from traditional fermented foods: potential use as starters or probiotics, <i>Comprehensive Reviews in Food Science and Food Safety</i>, (2022), vol. 21 (2), str. 1537-1567. DOI: 10.1111/1541-4337.12897; IF₂₀₂₁: 15.786; M21a</p> <p>2. Mirjana Muruzović, Katarina Mladenović, Olgica Stefanović, Sava Vasić, Ljiljana Čomić, Extracts of <i>Agrimonia eupatoria</i> L. as sources of biologically active compounds and evaluation of their antioxidant, antimicrobial and antibiofilm activities, <i>Journal of Food and Drug Analysis</i>, (2016), vol. 24(3), str. 539–547. DOI: 10.1016/j.jfda.2016.02.007; IF₂₀₁₆: 3.048; M21</p> <p>3. Mirjana Muruzović, Katarina Mladenović, Ljiljana Čomić, <i>In vitro</i> evaluation of resistance to environmental stress by planktonic and biofilm form of lactic acid bacteria isolated from traditionally made cheese from Serbia, <i>Food Bioscience</i>, (2018), vol. 23, str. 54-59. DOI: 10.1016/j.fbio.2018.03.005; IF₂₀₁₈: 3.220; M21</p> <p>4. Katarina Mladenović, Mirjana Grujović, Maja Kiš, Sanja Furmeg, Vesna Jaki Tkalec, Olgica Stefanović, Sunčica Kocić-Tanackov, Enterobacteriaceae in food safety with an emphasis on raw milk and meat, <i>Applied Microbiology and Biotechnology</i>, (2021), vol. 105, str. 8615–8627. DOI: 10.1007/s00253-021-11655-7; IF₂₀₂₁: 5.560; M21</p> <p>5. Mirjana Grujović, Tanja Žugić Petrović, Katarina Mladenović, Vladimir Tomović, Sunčica Kocić-Tanackov, Teresa Semedo-Lemsaddek, Duvan chvarci: product characterization and comparison between traditional and industrial production, <i>LWT-Food Science and Technology</i>, (2022), vol. 154, str. 1-8. DOI: 10.1016/j.lwt.2021.112895; IF₂₀₂₁: 6.056; M21</p> <p>6. Aleksandar Kočović, Jovana Jeremić, Jovana Bradić, Miroslav Sovrlić, Jovica Tomović, Perica Vasiljević, Marijana Andjić, Nevena Draginić, Mirjana Grujović, Katarina Mladenović, Dejan Baskić, Suzana Popović, Sanja Matić, Vladimir Živković, Nevena Jeremić, Vladimir Jakovljević, Nedeljko Manojlović, Phytochemical analysis, antioxidant, antimicrobial and cytotoxic activity of different extracts of <i>Xanthoparmelia stenophylla</i> lichen from Stara Planina, Serbia. <i>Plants</i>, (2022), vol. 11(13), str. 1624. DOI: https://doi.org/10.3390/plants11131624; IF₂₀₂₁: 4.658; M21</p> <p>7. Katarina Marković, Mirjana Grujović, Maja Koraćević, Danijela Nikodijević, Milena Milutinović, Teresa Semedo-Lemsaddek, Milan Djilas, Colicins and microcins produced by Enterobacteriaceae: characterization, mode of action, and putative applications. <i>International</i></p>	

Journal of Environmental Research and Public Health, (2022), vol. 19(18), str. 11825. DOI: 10.3390/ijerph191811825; IF₂₀₂₁: 4.614; **M21**

8. **Mirjana Muruzović**, Katarina Mladenović, Tanja Žugić Petrović, Ljiljana Čomić, Characterization of lactic acid bacteria isolated from traditionally made Serbian cheese and evaluation of their antagonistic potential against Enterobacteriaceae, *Journal of Food Processing and Preservation*, (2018), vol. 42(4), str. 1-9. DOI: 10.1111/jfpp.13577; IF₂₀₁₇: 1.510; **M22**

9. **Mirjana Muruzović**, Katarina Mladenović, Milan Đilas, Olgica Stefanović, Ljiljana Čomić, *In vitro* evaluation of antimicrobial potential and ability of biofilm formation of autochthonous *Lactobacillus* spp. and *Lactococcus* spp. isolated from traditionally made cheese from Southeastern Serbia, *Journal of Food Processing and Preservation*, (2018), vol. 42(11), str. 1-10. DOI: 10.1111/jfpp.13776; IF₂₀₁₇: 1.510; **M22**

10. Katarina Mladenović, **Mirjana Muruzović**, Tanja Žugić Petrović, Olgica Stefanović, Ljiljana Čomić, Isolation and identification of Enterobacteriaceae from traditional Serbian cheese and their physiological characteristics, *Journal of Food Safety*, (2018), vol. 38(1), str. 1–9. DOI: 10.1111/jfs.12387; IF₂₀₁₈: 1.665; **M22**

11. Katarina Mladenović, **Mirjana Muruzović**, Ljiljana Čomić, *Escherichia coli* identification and isolation from traditional cheese produced in Southeastern Serbia, *Journal of Food Safety*, (2018), vol. 38(4), DOI:10.1111/jfs.12477; IF₂₀₁₈: 1.665; **M22**

12. **Mirjana Grujović**, Katarina Mladenović, Danijela Nikodijević, Ljiljana Čomić, Autochthonous lactic acid bacteria - presentation of potential probiotics application, *Biotechnology Letters*, (2019), vol. 41(11), 1319–1331. DOI: 10.1007/s10529-019-02729-8; IF₂₀₁₈: 2.154; **M22**

13. Tanja Žugić Petrović, Predrag Ilić, **Mirjana Grujović**, Katarina Mladenović, Sunčica Kocić-Tanackov, Ljiljana Čomić, Assessment of safety aspect and probiotic potential of autochthonous *Enterococcus faecium* strains isolated from spontaneous fermented sausage, *Biotechnology Letters*, (2020), vol. 42(8), str. 1513–1525. DOI: 10.1007/s10529-020-02874-5; IF₂₀₁₈: 2.154; **M22**

14. Katarina Mladenović, **Mirjana Grujović**, Sunčica Kocić-Tanackov, Sandra Bulut, Mirela Iličić, Sandra Degenek, Teresa Semedo-Lemsaddek, Serbian traditional goat cheese: physico-chemical, sensory, hygienic and safety characteristics, *Microorganisms*, (2022), vol. 10(1), str. 90-108. DOI: 10.3390/microorganisms10010090; IF₂₀₂₁: 4.926; **M22**

15. **Mirjana Grujović**, Katarina Mladenović, Stefan Marković, Nevena Đukić, Jelena Stajić, Aleksandar Ostojić, Nenad Zlatić, Chemical, radiological and microbiological characterization of a drinking water source: a case study, *Letters in Applied Microbiology*, (2022), vol. 75(5), str. 1136-1150. DOI: 10.1111/lam.13778; IF₂₀₂₀: 2.858; **M22**

16. Katarina Mladenović, **Mirjana Muruzović**, Olgica Stefanović, Sava Vasić, Ljiljana Čomić, Antimicrobial, antioxidant and antibiofilm activity of extracts of *Melilotus officinalis* (L.) Pall. *Journal of Animal and Plant Science*, (2016), vol. 26(5), str. 1436–1444. IF₂₀₁₅: 0.529; **M23**
17. **Mirjana Muruzović**, Katarina Mladenović, Tanja Žugić Petrović, Ljiljana Čomić, *In vitro* evaluation of the antimicrobial potential of *Streptococcus uberis* isolated from a local cheese from Southeastern Serbia, *Veterinarski arhiv*, (2018), vol. 88(4), str. 521-534. DOI: 10.24099/vet.arhiv.0007; IF₂₀₁₈: 0.426; **M23**
18. Katarina Mladenović, **Mirjana Muruzović**, Olgica Stefanović, Tanja Žugić Petrović, Ljiljana Čomić, Effects of some potassium preservatives on physiological activities of selected food borne bacteria, *Acta Alimentaria*, (2018), vol. 47(2), str. 171–180. DOI: 10.1556/066.2018.47.2.5; IF₂₀₁₈: 0.547; **M23**
19. Katarina Mladenović, **Mirjana Muruzović**, Ljiljana Čomić, The effects of environmental factors on planktonic growth and biofilm formation of *Serratia odorifera* and *Serratia marcescens* isolated from traditionally made cheese, *Acta Alimentaria*, (2018), vol. 47(3), str. 370-378. DOI: 10.1556/066.2018.47.3.13; IF₂₀₁₈: 0.547; **M23**
20. Tanja Žugić Petrović, Predrag Ilić, **Mirjana Muruzović**, Katarina Mladenović, Dragana Stanisavljević, Ljiljana Čomić, Dry-fermented sausage as probiotic carrier food, *Fleischwirtschaft*, (2019), vol. 99(2), str. 100-103.; IF₂₀₁₈: 0.172 ; **M23**
21. Katarina Mladenović, *Mirjana Muruzović*, Sava Vasić, Ljiljana Čomić, The symbiotic effect of temperature and sugars on the planktonic growth and biofilm formation of *Klebsiella* spp. isolated from traditionally made cheese, *Romanian Biotechnological Letters*, (2019), vol. 24(3), str. 400-406. DOI: 10.26327/RBL2017.132; IF₂₀₁₈: 0.590; **M23**
22. **Mirjana Grujović**, Katarina Mladenović, Tanja Žugić Petrović, Ljiljana Čomić, Rating of antagonistic potential and ability of biofilm formation of *Enterococcus* spp. isolated from Serbian cheese, *Veterinarski arhiv*, (2019), vol. 89(5), str. 653–667. DOI: 10.24099/vet.arhiv.0485; IF₂₀₁₉: 0.426; **M23**
23. Katarina Mladenović, **Mirjana Grujović**, Danijela Nikodijević, Ljiljana Čomić, The hydrophobicity of enterobacteria and their co-aggregation with *Enterococcus faecalis* isolated from Serbian cheese, *Bioscience of Microbiota, Food and Health*, (2020), vol. 39(4), str. 227-233. DOI: 10.12938/bmfh.2020-004; IF₂₀₂₀: 3.121; **M23**
24. Tanja Žugić Petrović, Predrag Ilić, Katarina Mladenović, **Mirjana Grujović**, Sunčica Kocić-Tanackov, Ljiljana Čomić, Probiotic potential of autochthone microbiota from dry-ripened sheep ham, *Journal of Food Safety and Food Quality/Archiv Fur Lebensmittelhygiene*, (2020), vol. 71, str. 146-151. DOI: 10.2376/0003-925X-71-146; IF₂₀₂₀: 0.356; **M23**
25. Ljiljana Čomić, Ivana Radojević, Sava Vasić, Katarina Mladenović, **Mirjana Grujović**, Traditionally made red wines produced from an autochthonous grapevine variety as a source of biologically active compounds and their antioxidant and biological potential, *Journal of Food and Nutrition Research*, (2020), vol. 59(4), str. 301–310. IF₂₀₂₀: 1.333; **M23**

26. **Mirjana Grujović**, Katarina Mladenović, Ljiljana Čomić, The probiotic potential and evaluation of the safety aspect of *Enterococcus* sp. strains isolated from traditionally made Serbian cheese, *Veterinarski arhiv*, (2021), vol. 91(3), str. 319-328. DOI: 10.24099/vet.arhiv.0925; IF₂₀₂₀: 0.496; **M23**
27. Ivana Radojević, **Mirjana Grujović**, Ljiljana Čomić, Milan Dekić, Gorica Djelić, Nevena Mihailović, The phytochemical composition and biological activities of different types of extracts of *Achillea ageratifolia* subsp. *serbica* (Nyman) Heimerl, *Botanica Serbica*, (2021), vol. 45(1), str. 49-59. DOI: 10.2298/BOTSERB2101049R; IF₂₀₂₁: 0.574; **M23**
28. Saša Milosavljević, Tanja Žugić Petrović, Katarina Mladenović, **Mirjana Grujović**, Stefan Kolašinac, Dragan Orović, Quality assessment, antimicrobial activity organic sunflower honey and use of MALDI-TOF mass spectrometry for the identification bacteria isolated from honey, *Progress in Nutrition*, (2021), vol. 23(2): DOI: 10.23751/pn.v23i2.9307; IF₂₀₂₁: 0.567; **M23**
29. Tanja Žugić Petrović, Predrag Ilić, **Mirjana Grujović**, Katarina Mladenović, Sunčica Kocić-Tanackov, Ljiljana Čomić, *Lactobacillus curvatus* from fermented sausages as new probiotic functional foods, *Food Science and Technology*, (2022), DOI: 10.1590/fst.17121; IF₂₀₂₁: 2.602; **M23**
30. Katarina Mladenović, *Mirjana Grujović*, Jelena Grujić, Ljiljana Čomić, Ecological parameters which control the in vitro development and growth of *Klebsiella* isolates from traditional Serbian cheese, *Journal of Food Safety and Food Quality/ Archiv Für Lebensmittelhygiene*, (2022), vol. 73, str. 25-32. DOI: 10.2376/0003-925X-73-XX; IF₂₀₂₁: 0.378; **M23**
31. Ivana Radojević, Katarina Mladenović, **Mirjana Grujović**, Sava Vasić, Grape stalks as a source of antioxidant and antimicrobial substances and their potential application, *Botanica Serbica*, (2022), vol. 46(2), str. 179-186. DOI: <https://doi.org/10.2298/BOTSERB2202179R>; IF₂₀₂₁: 0.574; **M23**
32. Olgica Stefanović, Dijana Mladenović, Katarina Mladenović, *Mirjana Grujović*, Dragana Ivanović, *Escherichia coli* biofilm formation and control by phenolic compounds from *Salvia officinalis* extracts, *Indian Journal of Experimental Biology*, (2022), vol. 60, str. 771-780. DOI: 10.56042/ijeb.v60i10.41435; IF₂₀₂₁: 0.944; **M23**
33. **Mirjana Grujović**, Katarina Mladenović, Ljiljana Čomić, Tolerance of autochthonous lactic acid bacteria to different processing conditions *in vitro*, *Food and Feed Research*, (2020), vol. 47(2), str. 119 – 129. DOI: 10.5937/ffr47-29426; **M24**
34. **Mirjana Grujović**, Katarina Mladenović, Violeta Jakovljević, Ljiljana Čomić, Detection of enzymes produced by lactic acid bacteria isolated from traditionally made Serbian cheese and their role in the formation of its specific flavor, *Acta Agriculturae Serbica*, (2020), vol. 25(50), str. 165–169. DOI: 10.5937/AASer2050165G; **M24**

35. **Mirjana Grujović**, Katarina Mladenović, Ljiljana Čomić, The ability of using sugars and sugar substitutes as prebiotics by autochthonous Serbian lactic acid bacteria, *Kragujevac Journal of Science*, (2020), vol. 42, str. 113–122. DOI: 10.5937/KgJSci2042113G; **M24**

36. Katarina Mladenović, **Mirjana Grujović**, Violeta Jakovljević, Ljiljana Čomić, Broth depending production of extracellular enzymes by enterobacteria isolated from diary food (Serbian cheese), *Kragujevac Journal of Science*, (2020), vol. 42, str. 123–134. DOI: 10.5937/KgJSci2042123M; **M24**

37. Katarina Mladenović, **Mirjana Grujović**, Ljiljana Čomić, Contribution to the knowledge about the presence and role of *Enterobacter gergoviae* in sensory characteristics of dairy products, *Archives of Veterinary Medicine*, (2020), vol. 13(1), str. 101–109. DOI: 10.46784/e-avm.v13i1.104; **M24**

Proceedings of international scientific conferences	Sum
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Proceedings of international scientific conferences	Sum
	15

1. Tanja Žugić Petrović, Dragana Stanisavljević, Predrag Ilić, Katarina Mladenović, **Mirjana Muruzović**, Ljiljana Čomić, Effect of different packaging conditions on shelf-life of ham, *XXII International Eco – conference, X Eco – conference on Safe food*, Novi Sad, Serbia, (2018), Book of Processing, str. 181–188. **M33**
ISBN 978-86-83177-35-6

2. Tanja Žugić Petrović, Katarina Mladenović, **Mirjana Muruzović**, Zorana Žugić, Suncica Kocić Tanackov, Vladimir Tomović, Ljiljana Čomić, Effects of vacuum and map packaging on microbiological status and sensory properties of fresh pork, *XXIV International Eco-Conference®, XI Eco-conference® on Safe Food*, Novi Sad, Serbia (2020). Book of Processing, str. 395-402. **M33**

3. **Mirjana Grujović**, Katarina Mladenović, Zoran Simić, Simona Đuretanović, Consumption of raw water – the health risks related to the presence of heavy metals and *Escherichia coli*, *1st International Conference on Chemo and Bioinformatics*, Kragujevac, Serbia, (2021), Book of Processing, str. 210-213. DOI:10.46793/ICCBI21.210G. **M33**

4. Milena Jovanović, **Mirjana Grujović**, Katarina Mladenović, Milan Mitić, Jelena Nikolić, Nevena Milivojević, Dragana Šeklić, 2021. Phenolic profile and effects of edible mushroom *Laetiporus sulphureus* extract on cervical cancer cell line, *ISPEC 7th International conference on agriculture, animal sciences and rural development*, MUS/Turkey, (2021), Book of Processings, str. 917-923. **M33**

5. Dejan Arsenijević, Milena Jovanović, Katarina Pecić, **Mirjana Grujović**, Katarina Mladenović, Dragana Šeklić, Effects of *Laetiporus sulphureus* on viability of HELA cells in co-culture system with *Saccharomyces boulardii*, *The 3rd International Electronic Conference on Foods: Food, Microbiome, and Health - A Celebration of the 10th Anniversary*

of Foods' Impact on Our Wellbeing, MDPI: Basel, Switzerland, (2022), Book of Proceedings, str. 1–15. DOI: <https://doi.org/10.3390/Foods2022-13028>; **M33**

6. Katarina Pecić, Milena Jovanović, Dejan Arsenijević, Jelena Pavić, **Mirjana Grujović**, Katarina Mladenović, Katarina Virijević, Marko Živanović, Dragana Šeklić, *Laetiporus sulphureus* affects migration and superoxide anion radical level in Hela cervical Cancer Cells, *The 3rd International Electronic Conference on Foods: Food, Microbiome, and Health - A Celebration of the 10th Anniversary of Foods' Impact on Our Wellbeing*, MDPI: Basel, Switzerland, (2022), Book of Proceedings, str. 16–20. DOI: <https://doi.org/10.3390/Foods2022-12933>; **M33**

7. Katarina Marković, **Mirjana Grujović**, Ana Kesić, Zoran Marković, Green synthesis of silver nanoparticles using *A. eupatoria* extract in certain conditions, *The 8th International Electronic Conference on Medicinal Chemistry*, 1–30 November 2022, MDPI: Basel, Switzerland (2022), DOI: <https://doi.org/10.3390/ECMC2022-13150>; **M33**

8. Tanja Žugić-Petrović, Katarina Mladenović, **Mirjana Muruzović**, Ljiljana Čomić, Probiotic potential of *Enterococcus faecium* isolated from Sokobanja sausage, *International symposium on animal science (ISAS)*, Herceg Novi, Montenegro. Book of abstracts, (2017), str. 30. **M34**

9. Tanja Žugić-Petrović, Dragana Stanisavljević, Predrag Ilić, Katarina Mladenović, **Mirjana Muruzović**, Sunčica Kocić Tanackov, Ljiljana Čomić, Effect of water activity on the radial growth of fungi isolated from dry-cured sheep ham, *in vitro*, *The 6th international scientific meeting mycology, mycotoxicology, and mycoses*, Novi Sad, Serbia, Book of abstracts, (2017), str. 64. **M34**

10. Ivana Radojević, Katarina Mladenović, **Mirjana Muruzović**, Milijana-Jovana Popadić, Ljiljana Čomić, Antifungal activity of the Serbia and Montenegro autochthonous wines and evaluation of total phenolic, flavonoid and proanthocyanidin contents, *The 6th international scientific meeting mycology, mycotoxicology, and mycoses*, Novi Sad, Serbia, Book of abstracts, (2017), str. 55. **M34**

11. **Mirjana Grujović**, Katarina Mladenović, Olgica Stefanović, Ivana Radojević, New *Lactobacillus* strains with probiotic potential isolated from traditionally made Serbian cheese, *FEMS Conference on Microbiology*, Belgrade, Serbia, Book of abstracts, (2020), str. 167. **M34**

12. **Mirjana Grujović**, Katarina Mladenović, Tanja Žugić Petrović, Microbiological safety and identification of dominant microbiota from “duvan čvarci“, *IV simpozijum*

biologa i ekologe Republike Srpske sa međunarodnim učešćem – SBERS2020, Banja Luka, Republika Srpska, Book of abstracts, (2020) str. 115-116. **M34**

13. Katarina Mladenović, **Mirjana Grujović**, Danijela Nikodijević, Adhesive ability of the species from genus *Klebsiella* and their co-aggregation ability with *Enterococcus faecalis*, *IV simpozijum biologa i ekologe Republike Srpske sa međunarodnim učešćem – SBERS2020*, Banja Luka, Republika Srpska, Book of abstract, (2020), str. 113-114. **M34**

14. Ivana Radojević, Katarina Ćirković, **Mirjana Grujović**, Katarina Mladenović, Aleksandar Ostojić, 2022. Characterization of bacterial isolates from tailings pond wastewater, *FEMS Conference on Microbiology*, Belgrade, Serbia, Book of abstracts, (2022), str. 572-573. **M34**

15. Tanja Žugić-Petrović, Zorana Žugić, **Mirjana Grujović**, Katarina Mladenović, Sunčica Kocić-Tanackov, Mold contamination in small-scale facilities during the production of traditional dry-cured sheep ham, *7th International Scientific Meeting: „Mycology, Mycotoxicology, and Mycoses”* Matica Srpska, Novi Sad, Serbia, Book of abstracts, (2022), str. 50. **M34**

Proceedings of national scientific conferences	Sum
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Proceedings of national scientific conferences	Sum
	18

1. Predrag Ilić, Danica Šošević, Tanja Žugić Petrović, Katarina Mladenović, **Mirjana Grujović**, Ljiljana Čomić, Characterization and antibiotic sensitivity of coagulase-negative staphylococci from Zlatibor prosciutto, *XXII Conference about Biotechnology with international participation*, Čačak, Serbia, Conference Proceeding, (2017), Vol. 2, str. 667–672. **M63**

2. Tanja Žugić Petrović, Predrag Ilić, **Mirjana Muruzović**, Katarina Mladenović, Ljiljana Čomić, Autochthone microbiota from dry-cured sheep ham, *XXIII Conference about Biotechnology with international participation*, Čačak, Serbia, Conference Proceeding, (2018), str. 536–543. **M63**

3. Tanja Žugić Petrović, **Mirjana Muruzović**, Katarina Mladenović, Dragana Stanisavljević, Sunčica Kocić Tanackov, Ljiljana Čomić, Antifungal effect of etheric oil of basil and black Seed oil on the growth of fungi *Penicillium corylohilum* on dry-cured sheep, *XXIV Conference about Biotechnology with international participation*, Čačak, Serbia, Conference Proceeding, (2019), str. 536–543. **M63**

4. Nevena Petrović, **Mirjana Grujović**, Katarina Mladenović, Marijana Kosanić, Antimicrobial potential of *Lactarius volemus*, edible mushroom, *XXV Conference about Biotechnology with international participation*, Čačak, Serbia, Conference Proceeding, (2020), str. 457–462. **M63**

5. Katarina Mladenović, **Mirjana Grujović**, Nevena Petrović, Marijana Kosanić, Ljiljana Čomić, *Allium ursinum* sauce (original product): chemical characteristics, microbiological and antimicrobial properties, *XXV Conference about Biotechnology with international participation*, Čačak, Serbia, Conference Proceeding, (2020), str. 463–470. **M63**
6. **Mirjana Grujović**, Katarina Mladenović, Nevena Petrović, Marijana Kosanić, Ljiljana Čomić, Evaluation of antimicrobial activity of oleum hyperici originated from Goč Mountain (Serbia), *XXV Conference about Biotechnology with international participation*, Čačak, Serbia, Conference Proceeding, (2020), str. 557–562. **M63**
7. Olgica Stefanović, Katarina Mladenović, **Mirjana Grujović**, Braho Ličina, Ivana Radojević, Ljiljana Čomić, Biljni ekstrakti: potencijalni prirodni antibakterijski agensi, *X Kongres mikrobiologa Srbije - MIKROMED 2015*, Beograd, Srbija. Book of abstracts, (2015), str. 188–189. **M64**
8. **Mirjana Muruzović**, Katarina Mladenović, Olgica Stefanović, Ljiljana Čomić, Tanja Žugić Petrović, Interaction between *Agrimonia eupatoria* L. extracts and antibiotic and antibiofilm activity of two extract, *12th Symposium on the Flora of Southeastern Serbia and Neighboring Regions*, Kopaonik, Serbia. Book of abstracts, (2016), str. 117. **M64**
9. Katarina Mladenović, **Mirjana Muruzović**, Olgica Stefanović, Ljiljana Čomić, Tanja Žugić Petrović, *In vitro* determination of antioxidant and antimicrobial activity of extracts of *Agrimonia eupatoria* L., *12th Symposium on the Flora of Southeastern Serbia and Neighboring Regions*, Kopaonik, Serbia. Book of abstracts, (2016), str. 116. **M64**
10. Tanja Žugić-Petrović, Predrag Ilić, **Mirjana Muruzović**, Katarina Mladenović, Dragana Stanisavljević, Ljiljana Čomić, Antimicrobial activity of rakija travarica “Sante”, *12th Symposium on the Flora of Southeastern Serbia and Neighboring Regions*, Kopaonik, Serbia, Book of abstracts, (2016), str. 118. **M64**
11. Olgica Stefanović, Dijana Mladenović, Dragana Ivanović, Katarina Mladenović, **Mirjana Muruzović**, Ljiljana Čomić, *Escherichia coli*: in vitro ability of biofilm formation and inhibitory activity of sage extracts, *XI Kongres mikrobiologa Srbije - MIKROMED 2017*, Beograd, Srbija. Book of abstracts, (2017), str. 128–129. **M64**
12. Katarina Mladenović, **Mirjana Muruzović**, Tanja Žugić-Petrović, Olgica Stefanović, Ljiljana Čomić, Isolation and identification of autochthonous Sokobanja's cheese microbiota, *XI Kongres mikrobiologa Srbije - MIKROMED 2017*, Beograd, Srbija, Book of abstracts, (2017), str. 203. **M64**

13. Katarina Mladenović, **Mirjana Muruzović**, Tanja Žugić-Petrović, Ljiljana Čomić, Ispitivanje uticaja ekoloških faktora na planktonski rast i formiranje biofilma *Klebsiella* spp. izolovanih iz Sokobanjskog sira, *II Kongres biologa Srbije*, Kladovo, Srbija, Book of abstracts, (2018), str. 247. **M64**

14. **Mirjana Muruzović**, Katarina Mladenović, Tanja Žugić-Petrović, Ljiljana Čomić, Izolacija, identifikacija i evaluacija probiotskog potencijala enterokoka izolovanih iz Sokobanjskog sira, *II Kongres biologa Srbije*, Kladovo, Srbija, Book of abstracts, (2018), str. 250. **M64**

15. Tanja Žugić-Petrović, Predrag Ilić, **Mirjana Muruzović**, Katarina Mladenović, Ljiljana Čomić, Izolacija i karakterizacija *Lactobacillus curvatus* sojeva iz fermentisane tradicionalne kobasice kao potencijalnih startera u mesnoj industriji, *II Kongres biologa Srbije*, Kladovo, Srbija, Book of abstracts, (2018), str. 253. **M64**

16. Tanja Žugić-Petrović, Predrag Ilić, **Mirjana Muruzović**, Katarina Mladenović, Sunčica Kocić Tanackov, Ljiljana Čomić, Kvalitet i autohtona mikrobiota sjeničke ovčije stelje, *II Kongres biologa Srbije*, Kladovo, Srbija, Book of abstracts, (2018), str. 254. **M64**

17. Tanja Žugić-Petrović, Katarina Mladenović, **Mirjana Grujović**, Stefan Kolašinac, Dragan Orović, Organic sunflower honey from the area of Banat (northeastern Serbia) - physicochemical and microbiological characterizations, *14th Symposium on the Flora of Southeastern Serbia and Neighboring Regions*, Kladovo, Serbia, Book of abstracts, (2022), str. 111. **M64**

18. Katarina Mladenović, **Mirjana Grujović**, Tanja Žugić-Petrović, Sunčica Kocić-Tanackov, 2022. Autohtona mikrobiota tradicionalnog kozijeg sa sa područja Šumadije, *III Kongres biologa Srbije*, Zlatibor, Srbija, Book of abstracts, (2022), str. 247. **M64**

Monographs of national importance	Sum
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Scientific papers in national journals	Sum 6
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1. Tanja Žugić-Petrović, Dragana Stanisavljević, Predrag Ilić, Katarina Mladenović, **Mirjana Muruzović**, Sunčica Kocić Tanackov, Ljiljana Čomić, Effect of water activity on the radial growth of fungi isolated from dry-cured sheep ham, *in vitro* (Serbia), *Matica Srpska Journal for Natural Sciences*, (2018), vol. 134, str. 65-75. DOI: 10.2298/ZMSPN1834065Z; **M51**

2. Katarina Mladenović, **Mirjana Muruzović**, Tanja Žugić-Petrović, Ljiljana Čomić, The influence of environmental factors on the planktonic growth and biofilm formation of *Escherichia coli*, *Kragujevac Journal of Science*, (2018), vol. 40, str. 205-216. DOI: 10.5937/kgjsc1840205m; **M51**

3. **Mirjana Grujović**, Katarina Mladenović, Ljiljana Čomić, Aleksandar Glišović, *In vitro* evaluation of antimicrobial and antibiofilm activity of *Oleum Hyperici*: An original product from Goč Mountain (Serbia), *Kragujevac Journal of Science*, (2019), vol. 41, str. 97-106. DOI 10.5937/KgJSci1941097G; **M51**

4. Tanja Žugić Petrović, Predrag Ilić, **Mirjana Grujović**, Vladimir Tomović, Sunčica Kocić-Tanackov, Ljiljana Čomić, Quality and autochthonous microbiota of dry-cured sheep ham from western Balkans, *Fleischwirtschaft International*, (2019), vol. 99(4), str. 66-69. **M51**

5. Tanja Žugić-Petrović, **Mirjana Muruzović**, Katarina Mladenović, Predrag Ilić, Sunčica Kocić Tanackov, Ljiljana Čomić, Karakterizacija koagulaza negativnih stafilokoka izolovanih iz suvog mesa ovčijeg trupa-Sjениčka ovčija stelja, *Veterinarski žurnal Republike Srpske*, (2016), vol. 16(1), str. 26–38. DOI: 10.7251/VETJ1601026Z; **M52**

6. **Mirjana Muruzović**, Katarina Mladenović, Olgica Stefanović, Tanja Žugić-Petrović, Ljiljana Čomić, *In vitro* interaction between *Agrimonia eupatoria* L. extracts and antibiotic, *Kragujevac Journal of Science*, (2017), vol. 39, str. 169-176. DOI: 10.5937/kgjsc1739157m; **M52**

Technical solutions	Sum
Patents	Sum

CITATION OF SCIENTIFIC PAPERS

The total number of heterocites is 113 (source SCOPUS)

BRIEF DESCRIPTION OF RESEARCH IN THE PREVIOUS PERIOD

In the previous period, Mirjana Ž. Grujović successfully dealt with scientific and research work, where she mastered the techniques and methods of microbiological analysis. During

her scientific research, she acquired knowledge of the biochemical and physiological characteristics of lactic acid bacteria isolated from autochthonous fermented milk and meat products, as well as in vitro testing of the biotic potential of isolated bacteria. The research was extended to in vitro testing of the probiotic characteristics of the selected strains.

She also actively dealt in phytochemical, antioxidant, antimicrobial, and antibiofilm testing of plant and lichen extracts. As part of the trilateral project, she deals with the isolation, identification, and examination of the potential for the uptake of heavy metals by bacterial isolates.

BRIEF DESCRIPTION OF PLANNED RESEARCH IN THE NEXT PERIOD

Further research will be focused on the isolation of lactic acid bacteria and coagulase-negative staphylococci from selected autochthonous fermented products. In addition, the antimicrobial and antibiofilm potential of plant and lichen extracts, as well as chemical ligands and complexes, will be tested. Investigations of the potential of plants to be used in the process of green synthesis are planned.