

Катедра за аналитику лекова

Наставник	Референце
Др сц. Мира Зечевић, редовни професор	1. Salkić A, Otašević B, Zečević M. Improvement of Pharmacopeial High Performance Liquid Chromatography method for Determination of Enantiomeric Purity of Moxifloxacin Drug Substance. J. Sep. sci. 2025 Jun; 48(6):e70190.
	2. Rašević M, Malenović A., Protić A, Zečević M. Analytical method development supported by DoE-DS approach for enantioseparation of (S,S)- and (R,R)-moxifloxacin. J. Pharm. Biomed. Anal. 2023 Oct;235:115645.
	3. Salkić A, Otašević B, Rašević M., Zečević M. Micellar liquid chromatographic method for determination of moxifloxacin and its impurities. Acta Chim. Slov. 2023 Aug;70:385-397.
	4. Rmandić M, Vasilić Đ, Rašević M, Zečević M, Otašević B, Protić A, Malenović M. Development of Analytical Quality by Design Compliant Chaotropic Chromatography Method for Ziprasidone and Its Five Impurities Determination. Pharmaceuticals. 2023 Sep;16(9):1296.
	5. Mitrović M, Protić A, Malenović A, Otašević B, Zečević M. Analytical Quality by Design development of an ecologically acceptable enantioselective HPLC method for timolol maleate enantiomeric purity testing on ovomucoid chiral stationary phase. J. Pharm. Biomed. Anal. 2020 Dec;180:113034.
Наставник	Референце
Др сц. Анђелија Маленовић, редовни професор	1. Rmandić M, Rašević M, Stanković J, Zečević M, Otašević B, Protić A, Malenović A. Development and robust optimization of the RP-HPLC method for the determination of riociguat and its four impurities in tablets using the AQbD approach. J. Pharm. Biomed. Anal. 2025 Feb;258: 116742.
	2. Daousani C, Kostić N, Malenović A, Rmandić M, Dotsikas Y. On the Use of Image Analysis for Hematocrit Evaluation in Dried Blood Spots. Appl. Sci. 2024 Oct;14(21):9860–9860.
	3. Rmandić M, Vasilić Đ, Rašević M, Zečević M, Otašević B, Protić A, Malenović A. Development of Analytical Quality by Design Compliant Chaotropic Chromatography Method for Ziprasidone and Its Five Impurities Determination. Pharmaceuticals. 2023 Sep;16(9):1296–1296.

	<p>4. Gkountanas K, Malenović A, Dotsikas Y. Determination of Bupropion and Its Impurities via a Chaotropic Chromatography Method Following Analytical Quality-by-Design Principles for Method Development. <i>Pharmaceuticals</i>. 2022 Sep;15(10):1196–1196.</p> <p>5. Rmandić M, Stajić A, Jančić J, Samardžić J, Jović N, Malenović A. Quantification of Zonisamide in Dried Blood Spots and Dried Plasma Spots by UPLC–MS/MS: Application to Clinical Practice. <i>Molecules</i>. 2022 Jul;27(15):4899.</p>
Наставник	Референце
Др сц. Биљана Оташевић, редовни професор	<p>1. Svrkota B, Krmar J, Petronijević F, Protić A, Otašević B. Sustainable Analysis of Diclofenac Salts: A Chemometric Approach to Mixed-Mode Liquid Chromatography With Charged Aerosol Detection. <i>J. Sep. Sci.</i> 2025 Apr;48:e70136.</p> <p>2. Svrkota B, Krmar J, Protić A, Otašević B. The secret of reversed-phase/weak cation exchange retention mechanisms in mixed-mode liquid chromatography applied for small drug molecule analysis. <i>J. Chromatogr. A</i>. 2023 Feb;1690:463776.</p> <p>3. Walther R, Krmar J, Leistner A, Svrkota B, Otašević B, Malenović A, Holzgrabe U, Protić A. Analytical Quality by Design: achieving robustness of an LC-CAD method for the analysis of non-volatile fatty acids. <i>Pharmaceuticals</i>. 2023 Mar;16:478.</p> <p>4. Krmar J, Tolić Stojadinović Lj, Đurkić T, Protić A, Otašević B. Predicting liquid chromatography-electrospray ionization/mass spectrometry signal from the structure of model compounds and experimental factors; case study of aripiprazole and its impurities. <i>J. Pharm. Biomed. Anal.</i> 2023 Sep;233:115422.</p> <p>5. Krmar J, Džigal M, Stojković J, Protić A, Otašević B. Gradient boosted tree model: A fast track tool for predicting the atmospheric pressure chemical ionization-mass spectrometry signal of antipsychotics based on molecular features and experimental settings. <i>Chemometr. Intell. Lab. Syst.</i> 2022 May;224:104554.</p>
Наставник	Референце
Др сц. Ана Протић, редовни професор	<p>1. Stojanović J, Milojević-Rakić M, Bajuk-Bogdanović D, Ranđelović D, Otašević B, Malenović A, Janošević Ležaić A, Protić A. Carbonization of Invasive Plant Species – Novel Route for Removal of Active Pharmaceutical Ingredients via Adsorption. <i>Processes</i>. 2024 Oct;12:2149.</p>

	<p>2. Maljurić N, Petković M, Zečević M, Otašević B, Malenović A, Holzgrabe U, Protić A. A comprehensive study on retention of selected model substances in β-cyclodextrin-modified high performance liquid chromatography. <i>J. Chromatogr. A</i>. 2021 Mar;1645:462120.</p> <p>3. Đajić N, Otašević B, Malenović A, Zečević M, Holzgrabe U, Protić A. Corona Charged Aerosol Detector in studying retention and β-cyclodextrin complex stability using RP-HPLC. <i>J. Pharm. Biomed. Anal.</i> 2021 Oct;193:113711.</p> <p>4. Milenković M, Rašević M, Otašević B, Zečević M, Malenović A, Protić A. Generic approach in a gradient elution HPLC method development that enables troubleshooting free method transfer. <i>J. Pharm. Biomed. Anal.</i> 2021 Sep;207:114367.</p> <p>5. Maljurić N, Otašević B, Malenović A, Zečević M, Protić A. Quantitative structure retention relationship modeling as potential tool in chromatographic determination of stability constants and thermodynamic parameters of β-cyclodextrin complexation process. <i>J. Chromatogr. A</i>. 2020 Feb;1649:460971.</p>
Катедра за броматологију	
Наставик	Референце
Др сц. Брижита Ђорђевић, редовни професор	<p>1. Ćakar U, Ćolović M, Milenković D, Pagnacco M, Maksimović J, Krstić D, Đorđević B. Strawberry and drupe fruit wines antioxidant activity and protective effect against induced oxidative stress in rat synaptosomes. <i>Antioxidants</i>. 2025 Jan 28;14(2):155.</p> <p>2. Petrović A, Ivanović N, Milinković N, Milenković D, Polovina S, Zeković M, Đorđević B. Exploring Anthropometric, Biochemistry and Nutritional Attributes in Overweight and Obese Women: Insights from the Serbian Cohort—A Pilot study. <i>Journal of Medical Biochemistry</i>. 2025;44(3):637-52.</p> <p>3. Petrovic A, Jovicic S, Dodevska M, Djordjevic B, Milinkovic N, Ivanovic ND. Effects of Specially Designed Energy-Restricted Diet on Anthropometric Parameters and Cardiometabolic Risk in Overweight and Obese Adults: Pilot Study. <i>Nutrients</i>. 2024 Oct 11;16(20):3453.</p> <p>4. Dudašova Petrovičova O, Stanković I, Milinković N, Dopsaj V, Đorđević B, Dopsaj M. Effects of 6-Week Supplementation with GliSODin on Parameters of Muscle Damages, Metabolic, and Work Performance at International Level Rowers after Specific Maximal Effort. <i>Biology</i>. 2022 Sep 30;11(10):1437.</p>

	5. Rasic JS, Ivanovic ND, Andjelkovic MS, Nedeljkovic IP, Nikolic IR, Stojanovic SD, Ristic-Medic DK, Takic MM, Djordjevic BI , Dikic NV. Influence of higenamine on exercise performance of recreational female athletes: A randomized double-blinded placebo-controlled trial. <i>Frontiers in Psychology</i> . 2021 Sep 7;12:633110.
Наставик	Референце
Др сц. Ивана Ђуричић, редовни професор	1. Djuricic I , Calder PC. Pros and cons of long-chain omega-3 polyunsaturated fatty acids in cardiovascular health. <i>Annu Rev Pharmacol Toxicol</i> . 2023;63(1):383-406.
	2. Sarić Matutinović M, Vladimirov S, Gojković T, Ђуричић I , Ćirić J, Žarković M, Ignjatović S, Kahaly GJ, Nedeljković-Beleslin B. Analysis of non-cholesterol sterols and fatty acids in patients with Graves' orbitopathy: insights into lipid metabolism in relation to the clinical phenotype of disease. <i>J Endocrinol Invest</i> . 2025;48(6):1333-42.
	3. Djuricic I , Calder PC. Omega-3 (n-3) fatty acid–statin interaction: evidence for a novel therapeutic strategy for atherosclerotic cardiovascular disease. <i>Nutrients</i> . 2024;16(7):962.
	4. Ilić T, Ђуричић I , Kodranov I, Ušjak L, Kolašinac S, Milenković M, Marčetić M, Božić DD, Vidović B. Nutritional value, phytochemical composition and biological activities of <i>Lycium barbarum</i> L. fruits from Serbia. <i>Plant Foods Hum Nutr</i> . 2024;79(3):662-8.
	5. Frankovic I, Zeljkovic A, Djuricic I , Ninic A, Vekic J, Derikonjic M, Erceg S, Tomasevic R, Mamic M, Mitrovic M, Gojkovic T. Metabolic dysfunction-associated steatotic liver disease is characterized by enhanced endogenous cholesterol synthesis and impaired synthesis/absorption balance. <i>Int J Mol Sci</i> . 2025;26(15):7462.
Наставник	Референце
Др сц. Бојана Видовић, редовни професор	1. Milinčić DD, Vidović BB , Gašić UM, Milenković M, Kostić AŽ, Stanojević SP, Ilić T, Pešić MB. A systematic UHPLC Q-ToF MS approach for the characterization of bioactive compounds from freeze-dried red goji berries (<i>L. barbarum</i> L.) grown in Serbia: Phenolic compounds and phenylamides. <i>Food Chem</i> . 2024; 456:140044.
	2. Garcia S, Vidović B , Tijerina A, Tur JA, Bouzas C. Development and evaluation of the reliability of a semi-quantitative food frequency questionnaire to assess the intake in the Serbian population. <i>Nutrients</i> . 2024;16(15):2490.
	3. Guerreiro Í, Vidovic B , Costa JG, Martins M, Ferreira S, Oliveira NG, Saraiva N, Fernandes AS. The dietary isothiocyanate erucin reduces kidney cell motility by disturbing tubulin polymerization. <i>Mol Nutr Food Res</i> . 2023;67(3):e2200581.

	<p>4. Vidović BB, Milinčić DD, Marčetić MD, Djuriš JD, Ilić TD, Kostić AŽ, Pešić MB. Health benefits and applications of goji berries in functional food products development: a review. <i>Antioxidants</i>. 2022;11(2):248.</p> <p>5. Costa JG, Vidovic B, Saraiva N, do Céu Costa M, Del Favero G, Marko D, Oliveira NG, Fernandes AS. Contaminants: a dark side of food supplements? <i>Free Radic Res</i>. 2019;53(sup1):1113-1135.</p>
Наставник	Референце
Др сц. Невена Ивановић, ванредни професор	<p>1. Okuka N, Milinkovic N, Velickovic K, Polovina S, Sumarac-Dumanovic M, Minic R, Korčok D, Djordjevic B, Ivanovic ND. Beneficial effects of a new probiotic formulation on adipocytokines, appetite-regulating hormones, and metabolic parameters in obese women. <i>Food & Function</i>. 2024;15(14):7658-68.</p> <p>2. Petrovic A, Jovicic S, Dodevska M, Djordjevic B, Milinkovic N, Ivanovic ND. Effects of Specially Designed Energy-Restricted Diet on Anthropometric Parameters and Cardiometabolic Risk in Overweight and Obese Adults: Pilot Study. <i>Nutrients</i>. 2024 Oct 11;16(20):3453.</p> <p>3. Stević I, Milenković D, Petrović A, Pejčić A, Dodevska M, Ilić MP, Ivanović N. The role of nutrition education in the pharmacy curriculum using the example of knowledge about the health benefits of nuts. <i>Frontiers in Public Health</i>. 2024 Nov 25;12:1481265.</p> <p>4. Okuka N, Schuh V, Krammer U, Polovina S, Sumarac-Dumanovic M, Milinkovic N, Velickovic K, Djordjevic B, Haslberger A, Ivanovic ND. Epigenetic aspects of a new probiotic concept—a pilot study. <i>Life</i>. 2023 Sep 14;13(9):1912.</p> <p>5. Dodevska M, Kukic Markovic J, Sofrenic I, Tesevic V, Jankovic M, Djordjevic B, Ivanovic ND. Similarities and differences in the nutritional composition of nuts and seeds in Serbia. <i>Frontiers in Nutrition</i>. 2022 Sep 16;9:1003125.</p>
Наставник	Референце
Др сц. Вања Тодоровић, доцент	<p>1. Stamenic T, Todorovic V, Petricevic M, Keskic T, Cekic B, Stojiljkovic N, и остали. Linseed, Walnut, and Algal Oil Emulsion Gels as Fat Replacers in Chicken Frankfurters: Effects on Composition, Lipid Profile and Sensory Quality. <i>Foods</i>. 2025.;14(15):2677.</p> <p>2. Sobajic S, Todorovic V. Plant Foods with Cardioprotective Properties. У: Pullaiah T, Ojha S, урединици. <i>Cardioprotective Plants</i>. Singapore: Springer Nature Singapore; 2024; 367–91. Available at: https://link.springer.com/10.1007/978-981-97-4627-9_12</p> <p>3. Paunovic M, Kotur-Stevuljevic J, Arsic A, Milosevic M, Todorovic V, Guzonjic A, и остали. Antioxidative Effects of Black Currant and Cornelian Cherry Juices in Different Tissues of an Experimental Model of Metabolic Syndrome in Rats. <i>Antioxidants</i>. 2023.;12(6):1148.</p>

	<p>4. Dabetic N, Todorovic V, Malenovic A, Sobajic S, Markovic B. Optimization of Extraction and HPLC–MS/MS Profiling of Phenolic Compounds from Red Grape Seed Extracts Using Conventional and Deep Eutectic Solvents. <i>Antioxidants</i>. 2022.;11(8):1595.</p> <p>5. Todorovic V, Milenkovic M, Vidovic B, Todorovic Z, Sobajic S. Correlation between Antimicrobial, Antioxidant Activity, and Polyphenols of Alkalized/Nonalkalized Cocoa Powders. <i>Journal of Food Science</i>. 2017.;82(4):1020–7.</p>
Катедра за фармацевтску хемију	
Наставник	Референце
Др сц. Бранка Ивковић, ванредни професор	<p>1. Anđelković N, Marić M, Dobričić V, et al. Evaluation of the lipophilicity of morpholino propiophenones by reversed-phase thin-layer chromatography and computational methods. <i>J Planar Chromatogr</i>. 2025;38:355-65.</p>
	<p>2. Pešić N, Ivković B, Barudžija T, Grujić B, Ibrić S, Medarević D. Selective Laser Sintering 3D Printing of Carvedilol Tablets: Enhancing Dissolution Through Amorphization. <i>Pharmaceutics</i>. 2025;17(1):6.</p>
	<p>3. Turkovic N, Ivkovic B, Kotur-Stevuljevic J, Tasic M, Marković B, Vujic Z. Molecular Docking, Synthesis and anti-HIV-1 Protease Activity of Novel Chalcones. <i>Curr Pharm Des</i>. 2020;26(8):802-814.</p>
	<p>4. Selaković M, Aleksić MM, Kotur-Stevuljević J, Rupar J, Ivković B. Electrochemical characterisation and confirmation of antioxidative properties of ivermectin in biological medium. <i>Molecules</i>. 2023;28(5):2113.</p>
	<p>5. Ušjak D, Novović K, Ivković B, Tomić B, Đorđević V, Milenković MT. Targeting outer membrane protein A (OmpA) – inhibitory effect of 2'-hydroxychalcone derivatives on <i>Acinetobacter baumannii</i> and <i>Candida albicans</i> dual-species biofilm formation. <i>Biofouling</i>. 2023;39(3):316-26.</p>
Наставник	Референце
Др сц. Катарина Николић, редовни професор	<p>1. Ilic A, Djokovic N, Djikic T, Nikolic K. Integration of 3D-QSAR, molecular docking, and machine learning techniques for rational design of nicotinamide-based SIRT2 inhibitors. <i>Comput Biol Chem</i>. 2024;113:108242.</p>
	<p>2. Djokovic N, Rahnasto-Rilla M, Lougiakis N, Lahtela-Kakkonen M, Nikolic K. SIRT2i_Predictor: A machine learning-based tool to facilitate the discovery of novel SIRT2 inhibitors. <i>Pharmaceutics</i>. 2023;16(1):127.</p>

	<p>3. Djokovic N, Ruzic D, Rahnasto-Rilla M, Srdic-Rajic T, Lahtela-Kakkonen M, Nikolic K. Expanding the accessible chemical space of SIRT2 inhibitors through exploration of binding pocket dynamics. <i>J Chem Inf Model.</i> 2022;62(10):2571-2585.</p> <p>4. Alves Avelar LA, Ruzic D, Djokovic N, Kurz T, Nikolic K. Structure-based design of selective histone deacetylase 6 zinc binding groups. <i>J Biomol Struct Dyn.</i> 2020;38(11):3166-3177.</p> <p>5. Ruzic D, Petkovic M, Agbaba D, Ganesan A, Nikolic K. Combined ligand- and fragment-based drug design of selective histone deacetylase-6 inhibitors. <i>Mol Inform.</i> 2019;38(5):e1800083.</p>
Наставник	Референце
Др сц. Славица Ерић, редовни професор	<p>1. Vukadinović A, Ognjanović M, Mijović M, Warren B, Erić S, Prijović Ž. Lignin-Based Nanocarrier for Simultaneous Delivery of ¹³¹I and SN-38 in the Combined Treatment of Solid Tumors by a Nanobrachytherapy Approach. <i>Pharmaceuticals.</i>2025;18(2):177.</p> <p>2. Vukadinović A, Milanović Z, Ognjanović M, Janković D, Radović M, Mirković M, Karageorgou MA, Bouziotis P, Erić S, Vranješ-Đurić S, Antić B, Prijović Ž. 90Y-CA/SPIONs for dual magnetic hyperthermia-radionuclide nanobrachytherapy of solid tumours. <i>Nanotechnology.</i> 2022 Jul 15;33(40).</p> <p>3. Simić MR, Erić S, Borić I, Lubelska A, Latacz G, Kiec-Kononowicz K, Vojnović S, Nikodinović-Runić J, Savić V. Synthesis and biological profiling of novel isocoumarin derivatives and related compounds. <i>J Serb Chem Soc.</i> 2021;86(7-8):639-49.</p> <p>4. Erić S, Cvijetić I, Zloh M. 3D-QSAR study of adenosine 5'-phosphosulfate (APS) analogues as ligands for APS reductase. <i>J Serb Chem Soc.</i> 2021;86(6):561-70.</p> <p>5. Goronja J, Erić S, Malenović A. Identification of the factors affecting the retention of weak acid solutes in hybrid micellar systems with cetyltrimethylammonium bromide. <i>J Liq Chromatogr Relat Technol.</i> 2019;42(1-2):45-53.</p>
Наставник	Референце
Др сц. Бојан Марковић, редовни професор	<p>1. Jezdić K, Đoković J, Jančić I, Ilić T, Bufan B, Marković B, Ivanović J, Stanković T, Cekić ND, Papadimitriou V, Sharmin D. Parenteral nanoemulsion for optimized delivery of GL-II-73 to the brain—comparative in vitro blood–brain barrier and in vivo neuropharmacokinetic evaluation. <i>Pharmaceutics.</i> 2025;17(3):354.</p> <p>2. Dobričić V, Marodi M, Marković B, Tomašić T, Durcik M, Zidar N, Mašić LP, Ilaš J, Kikelj D, Čudina O. Estimation of passive gastrointestinal absorption of new dual DNA gyrase and topoisomerase IV inhibitors using PAMPA and biopartitioning micellar chromatography and quantitative structure-retention relationship analysis. <i>J Chromatogr B.</i> 2024;1240:124158.</p>

	<p>3. Turkovic N, Ivković B, Kotur-Stevuljević J, Tasić M, Marković B, Vujić Z. Molecular docking, synthesis and anti-HIV-1 protease activity of novel chalcones. <i>Curr Pharm Des.</i> 2020;26(8):802-14.</p> <p>4. Savić J, Dilber S, Milenković M, Kotur-Stevuljević J, Marković B, Vladimirov S, Brborić J. Docking studies, synthesis and biological evaluation of β-aryl-β-hydroxy propanoic acids for anti-inflammatory activity. <i>Med Chem.</i> 2017;13(2):186-95.</p> <p>5. Tubić B, Marković B, Vladimirov S, Savić S, Poljarević J, Sabo T. A new model to determine lipophilicity of 1,2-ethanediamine-N,N'-di-2-(3-cyclohexyl) propanoic acid and 1,3-propanediamine-N,N'-di-2-(3-cyclohexyl) propanoic acid derivatives with antiproliferative activity by combining shake flask procedure and UHPLC-MS method. <i>Die Pharmazie.</i> 2017;72(6):317-23.</p>
Наставник	Референце
Др сц. Зорица Вујић, редовни професор	<p>1. Obradovic D, Savic J, Joksimovic J, Markovic B, Vujic Z, Lazovic S. apid Reversed-Phase High-Performance Liquid Chromatography Profiling of Serotonin Receptor Ligands and their Related Compounds. <i>Journal of Analytical Chemistry.</i> 2024; 79 (1): 95-104</p> <p>2. Nedeljkovic N, Nikolic M, Canovic P, Zaric M, Zivkovic-Zaric R, Boskovic J, Vesovic M, Bradic J, Andjic M, Kocovic Aleksandar, Nikolic M, Jakovljevic V, Vujic Z, Dobricic V. Synthesis, Characterization, and Investigation of Anti-Inflammatory and Cytotoxic Activities of Novel Thiourea Derivatives of Naproxen. <i>Pharmaceutics.</i> 2024;16(1):1</p> <p>3. Turkovic N, Andjelkovic N, Nastasija, Obradovic D, Vujic Z, Ivkovic B. Application of liquid chromatography in defining the interaction of newly synthesized chalcones and related compounds with human serum albumin. <i>Journal of the Serbian Chemical Society.</i> 2023; 88 (7-8): 765-776</p> <p>4. Nedeljkovic N, Dobricic V, Boskovic J, Vesovic M, Bradic J, Andjic M, Kocovic A, Jeremic N, Novakovic J, Jakovljevic V, Vujic Z, Nikolic M. Synthesis and Investigation of Anti-Inflammatory Activity of New Thiourea Derivatives of Naproxen. <i>Pharmaceutics.</i> 2023; 16 (5): 666</p> <p>5. Obradovic D, Komsta L, Stavriandi AN, Shpigun OA, okrovskiy OI, Vujic Z. Retention mechanisms of imidazoline and piperazine-related compounds in non-aqueous hydrophilic interaction and supercritical fluid chromatography based on chemometric design and analysis. <i>Journal of Chromatography A.</i> 2022; 1678: 463340</p>
Наставник	Референце

<p>Др сц. Јасмина Брборић, ванредни професор</p>	<ol style="list-style-type: none"> 1. Savić J, Dilber S, Milenković M, Kotur-Stevuljević J, Marković B, Vladimirov S, Brborić J: Docking studies, synthesis and biological evaluation of β-aryl-β-hydroxypropanoic acids for anti-inflammatory activity. <i>Med Chem</i>, 2017; 13 (2): 186-195. 2. Savić J, Dobričić V, Nikolic K, Vladimirov S, Dilber S, Brborić J: <i>In vitro</i> prediction of gastrointestinal absorption of novel β-hydroxy-β-arylalkanoic acids using PAMPA technique. <i>Eur J Pharm Sci</i>, 2017; 100: 36-41. 3. Dobričić V, Savić J, Nikolic K, Vladimirov S, Vujić Z, Brborić J: Application of biopartitioning micellar chromatography and QSRR modeling for prediction of gastrointestinal absorption and design of novel β-hydroxy-β-arylalkanoic acids. <i>Eur J Pharm Sci</i>, 2017; 100: 280-284. 4. Rupar J, Dobričić V, Grahovac J, Radulović S, Skok Ž, Ilaš J, Aleksić M, Brborić J, Čudina O: Synthesis and evaluation of anticancer activity of new 9-acridinyl amino acid derivatives, <i>RSC Med Chem</i>, 2020; 11 (3): 378-386. 5. Brborić J, Klisic A, Kotur-Stevuljević J, Delogu G, Gjorgieva Ackova D, Kostic K, Dettori M.A, Fabbri D, Carta P, Saso L. Natural and natural-like polyphenol compounds: in vitro antioxidant activity and potential for therapeutic application. <i>Arch Med Sci</i> 2023;19(3):651-671.
<p>Наставник</p>	<p>Референце</p>
<p>Др сц. Владимир Добричић, ванредни професор</p>	<ol style="list-style-type: none"> 1. Dimkovski A, Dobričić V, Simić MR, Jurhar Pavlova M, Mihajloska E, Sterjev Z, Poceva Panovska A. Synthesis, Biological Evaluation, and Molecular Docking Studies of Novel Coumarin–Triazole–Isatin Hybrids as Selective Butyrylcholinesterase Inhibitors. <i>Molecules</i>. 2025 May 11;30(10):2121. 2. Bošković J, Dobričić V, Savić J, Rupar J, Aleksić M, Marković B, Čudina O. In Vitro Evaluation of Pharmacokinetic Properties of Selected Dual COX-2 and 5-LOX Inhibitors. <i>Pharmaceuticals</i>. 2024 Oct 5;17(10):1329. 3. Dobričić V, Marodi M, Marković B, Tomašič T, Durcik M, Zidar N, Mašič LP, Ilaš J, Kikelj D, Čudina O. Estimation of passive gastrointestinal absorption of new dual DNA gyrase and topoisomerase IV inhibitors using PAMPA and biopartitioning micellar chromatography and quantitative structure-retention relationship analysis. <i>Journal of Chromatography B</i>. 2024 Jun 1;1240:124158. 4. Dobričić V, Savić J, Tomašič T, Durcik M, Zidar N, Mašič LP, Ilaš J, Kikelj D, Čudina O. High-performance liquid chromatography evaluation of lipophilicity and QSRR modeling of a series of dual DNA gyrase and topoisomerase IV inhibitors. <i>Acta Chromatographica</i>. 2024 Jan 29;36(1):45-51.

	5. Bošković J, Dobričić V, Mihajlović M, Kotur-Stevuljević J, Čudina O. Synthesis, evaluation of enzyme inhibition and redox properties of potential dual COX-2 and 5-LOX inhibitors. <i>Pharmaceuticals</i> . 2023 Apr 6;16(4):549.
Наставник	Референце
Др сц. Јелена Савић, ванредни професор	1. Bošković J, Dobričić V, Savić J, Rupar J, Aleksić M, Marković B, Čudina O. In vitro evaluation of pharmacokinetic properties of selected dual COX-2 and 5-LOX inhibitors. <i>Pharmaceuticals</i> . 2024 17(10):1329.
	2. Dobričić V, Savić J, Tomašič T, Durcik M, Zidar N, Mašič Peterlin L, Ilaš J, Kikelj D, Čudina O. High-performance liquid chromatography evaluation of lipophilicity and QSRR modeling of a series of dual DNA gyrase and topoisomerase IV inhibitors. <i>Acta Chromatogr</i> . 2024 36(1): 45-51.
	3. Savić JS, Vitnik V, Obradović D, Vitnik Ž, Petrić V, Čkalovski T, Crevar M. Reversed-phase thin-layer chromatographic and computational evaluation of lipophilicity parameters of α , β -unsaturated acids. <i>J. Planar Chromatogr.–Mod. TLC</i> , 2024 36(5): 415-423.
	4. Savić J, Dobričić V, Nikolic K, Vladimirov S, Dilber S, Brborić J. In vitro prediction of gastrointestinal absorption of novel β -hydroxy- β -arylalkanoic acids using PAMPA technique. <i>Eur. J. Pharm. Sci.</i> 2017 100: 36-41.
	5. Dobričić V, Savić J, Nikolic K, Vladimirov S, Vujić Z, Brborić J. Application of biopartitioning micellar chromatography and QSRR modeling for prediction of gastrointestinal absorption and design of novel β -hydroxy- β -arylalkanoic acids. <i>Eur. J. Pharm. Sci.</i> 2017 100: 280-284.
Наставник	Референце
Др сц. Оливера Чудина, редовни професор	1. Bošković J, Dobričić V, Savić J, Rupar J, Aleksić M, Marković B, Čudina O. In vitro evaluation of pharmacokinetic properties of selected dual COX-2 and 5-LOX inhibitors. <i>Pharmaceuticals</i> . 2024;17(10):1329.
	2. Dobričić V, Marodi M, Marković B, Tomasić T, Durcik M, Zidar N, Peterlin Mašič L, Ilaš J, Kikelj D, Čudina OA. Estimation of passive gastrointestinal absorption of new dual DNA gyrase and topoisomerase IV inhibitors using PAMPA and biopartitioning micellar chromatography and quantitative structure-retention relationship analysis. <i>J Chromatogr B Analyt Technol Biomed Life Sci</i> . 2024;1240:124158. doi:10.1016/j.jchromb.2024.124158
	3. Bošković J, Dobričić VD, Mihajlović M, Kotur-Stevuljević JM, Čudina OA. Synthesis, evaluation of enzyme inhibition and redox properties of potential dual COX-2 and 5-LOX inhibitors. <i>Pharmaceuticals</i> . 2023;16(4):549.

	<p>4. Rupar J, Dobričić VD, Grahovac JS, Radulović SS, Skok Ž, Ilaš J, Aleksić MM, Brborić JS, Čudina OA. Synthesis and evaluation of anticancer activity of new 9-acridinyl amino acid derivatives. <i>RSC Med Chem.</i> 2020;11(3):378-86.</p> <p>5. Ivković BM, Brborić JS, Dobričić VD, Čudina OA. Development and validation of a new isocratic RP-HPLC method for simultaneous determination of sodium metabisulfite and sodium benzoate in pharmaceutical formulation. <i>Acta Chromatogr.</i> 2019;31(2):133-7.</p>
Наставник	Референце
Др сц. Милкица Цревар, ванредни професор	<p>1. Anđelković N, Marić M, Dobričić V, Crevar M, Ivković B. Evaluation of the lipophilicity of morpholino propiophenones by reversed-phase thin-layer chromatography and computational methods. <i>J Planar Chromatogr.</i> 2025;38:355-65.</p> <p>2. Jovanović M, Radan M, Čarapić M, Filipović N, Nikolić K, Crevar M. Application of parallel artificial membrane permeability assay technique and chemometric modeling for blood-brain barrier permeability prediction of protein kinase inhibitors. <i>Future Med Chem.</i> 2024;16(9):873-85.</p> <p>3. Demisli S, Galani E, Goulielmaki M, Kyrilis FL, Ilić T, Hamdi F, Crevar M, Kastritis PL, Pletsa V, Nallet F, Savić S, Xenakis A, Papadimitrou V. Encapsulation of cannabidiol in oil-in-water nanoemulsions and nanoemulsion-filled hydrogels: A structure and biological assessment study. <i>J Colloid Interface Sci.</i> 2023;634:300-13.</p> <p>4. Kurcubic I, Đuriš J, Cvijić S, Crevar M, Ibrić S, Miloradović Z, Mihailović-Stanojević N, Karanović D, Ivanov M, Jovović Đ, Vajić UJ. Integrated in vitro-in vivo-in silico studies in the pharmaceutical development of propranolol hydrochloride mucoadhesive buccal films. <i>J Drug Deliv Sci Technol.</i> 2023;86:104715.</p> <p>5. Džudović J, Crevar Sakač M, Antunović A, Repić A, Obradović S, Đorđević S, Savić J, Džudović B. Development and validation of LC-MS/MS method for determination of plasma apixaban. <i>Acta Chromatogr.</i> 2021;34(3):332-7.</p>
Наставник	Референце
Др сц. Славица Ољачић, ванредни професор	<p>1. Beljkas M, Ruzic D, Djuric A, Vuletic A, Tchiche GN, Jallet C, Cadet-Daniel V, Arimondo PB, Santibanez JF, Srdic-Rajic T, Nikolic K, Oljatic S, Petkovic M. Pioneering first-in-class HDAC-ROCK inhibitors as potential multitarget anticancer agents. <i>Future Med Chem.</i> 2025;17(4):393-407.</p>

	<p>2. Beljkas M, Petkovic M, Vuletic A, Djuric A, Santibanez JF, Srdic-Rajic T, Nikolic K, Oljagic S. Development of novel ROCK inhibitors via 3D-QSAR and molecular docking studies: a framework for multi-target drug design. <i>Pharmaceutics</i>. 2024;16(10):1250.</p> <p>3. Oljagic S, Križman M, Popovic-Nikolic M, Vovk I, Nikolic K, Agbaba D. Modelling of chromatographic and electrophoretic behaviour of imidazoline and alpha adrenergic receptor ligands under different acid-base conditions. <i>ADMET DMPK</i>. 2024;12(5):737-57.</p> <p>4. Obradović D, Radan M, Đikić T, Nikolić MP, Oljačić S, Nikolić K. The evaluation of drug-plasma protein binding interaction on immobilized human serum albumin stationary phase, aided by different computational approaches. <i>J Pharm Biomed Anal</i>. 2022;211:114593.</p> <p>5. Elek M, Djokovic N, Frank A, Oljagic S, Zivkovic A, Nikolic K, Stark H. Synthesis, in silico, and in vitro studies of novel dopamine D2 and D3 receptor ligands. <i>Arch Pharm</i>. 2021;354(6):e2100016.</p>
Катедра за микробиологију и имунологију	
Наставник	Референце
Др сц. Драгана Д. Божич, редовни професор	<p>1. Kovačević Z, Čabarkapa I, Šarić L, Pajić M, Tomanić D, Kokić B, Božić DD. Natural Solutions to Antimicrobial Resistance: The Role of Essential Oils in Poultry Meat Preservation with Focus on Gram-Negative Bacteria. <i>Foods</i>. 2024;13(23):3905.</p> <p>2. Milovanović J & Božić DD, Pavlović B, Jotić A, Brkić S, Ćirković I. Biofilm-producing Bacteria and Quality of Life after Endoscopic Sinus Surgery in Patients with Chronic Rhinosinusitis with Nasal Polyposis. <i>Am J Rhinol Allergy</i>. 2024;38(3):159-168.</p> <p>3. Božić DD, Ćirković I, Milovanović J, Bufan B, Folić M, Savić Vujović K, Pavlović B, Jotić A. In Vitro Antibiofilm Effect of N-Acetyl-L-cysteine/Dry Propolis Extract Combination on Bacterial Pathogens Isolated from Upper Respiratory Tract Infections. <i>Pharmaceutics</i>. 2023;16(11):1604.</p> <p>4. Ćirković I, Pejović A, Jovićeвић M, Brkić S, Djukić S, Božić DD. Staphylococcal biofilm on wedding rings worn by laboratory workers. <i>Acta Microbiologica et Immunologica Hungarica</i>. 2023;70(1):73-78.</p> <p>5. Marčetić M, Samardžić S, Ilić T, Božić DD, Vidović B. Phenolic Composition, Antioxidant, Anti-Enzymatic, Antimicrobial and Prebiotic Properties of <i>Prunus spinosa</i> L. Fruits. <i>Foods</i>. 2022;11(20):3289.</p>
Наставник	Референце
	<p>1. Marčetić M, Bufan B, Drobac M, Antić Stanković J, Arsenović Ranin N, Milenković MT, Božić DD. Multifaceted Biological Properties of Verbascoside/Acteoside: Antimicrobial, Cytotoxic,</p>

Др сц. Невена Арсеновић Ранин, редовни професор	Anti-Inflammatory, and Immunomodulatory Effects. <i>Antibiotics (Basel)</i> . 2025 Jul 11;14(7):697. doi: 10.3390/antibiotics14070697.
	2. Bufan B, Marčetić M, Djuretić J, Ćuruvija I, Blagojević V, Božić DD, Milutinović V, Janković R, Sopta J, Kotur-Stevuljević J, Arsenović-Ranin N . Evaluation of the Anti-Inflammatory/Immunomodulatory Effect of <i>Teucrium montanum</i> L. Extract in Collagen-Induced Arthritis in Rats. <i>Biology (Basel)</i> . 2024 Oct 12;13(10):818. doi: 10.3390/biology13100818.
	3. Bufan B, Arsenović-Ranin N , Živković I, Ćuruvija I, Blagojević V, Dragačević L, Kovačević A, Kotur-Stevuljević J, Leposavić G. Modulation of T-Cell-Dependent Humoral Immune Response to Influenza Vaccine by Multiple Antioxidant/Immunomodulatory Micronutrient Supplementation. <i>Vaccines (Basel)</i> . 2024 Jul 4;12(7):743. doi: 10.3390/vaccines12070743.
	4. Bufan B, Arsenović-Ranin N , Živković I, Petrović R, Leposavić G. B-cell response to seasonal influenza vaccine in mice is amenable to pharmacological modulation through β -adrenoceptor. <i>Life Sci</i> . 2022 Jul 15;301:120617. doi: 10.1016/j.lfs.2022.120617
	5. Arsenović-Ranin N , Petrović R, Živković I, Bufan B, Stoiljković V, Leposavić G. Influence of aging on germinal centre reaction and antibody response to inactivated influenza virus antigens in mice: sex-based differences. <i>Biogerontology</i> . 2019 Aug;20(4):475-496. doi: 10.1007/s10522-019-09811-8. Epub 2019 May 2.
Наставник	Референце
Др сц. Јелена Антић Станковић, редовни професор	1. Mijatović S, Radalj A, Ilić A, Janković M, Trajković J, Đoković S, Gobeljić B, Sovtić A, Petrović G, Kuzmanović M, Antić-Stanković J , Kolarž P, Aranđelović I. Assessment of suppressive effects of negative air ions on fungal growth, sporulation and airborne viral load. <i>Atmosphere</i> . 2025;16(8):896. doi:10.3390/atmos16080896
	2. Hadžibeti Đ, Vojinović T, Nikolić M, Božić D, Antić-Stanković J . Chemical composition and antimicrobial activity of essential oil of <i>Helichrysum italicum</i> from Mediterranean coast. <i>Farmacia</i> . 2024;72(5):1098-1104. doi:10.31925/farmacia.2024.5.12
	3. Marković BA, Marinković A, Antić Stanković J , Mijatović S, Cvijetić I, Simić M, Aranđelović I. Synthesis and antimicrobial activity of newly synthesized nicotinamides. <i>Pharmaceutics</i> . 2024;16(8):1084. doi:10.3390/pharmaceutics16081084
	4. Nikolic I, Mitsou E, Damjanovic A, Papadimitriou V, Antić-Stanković J , Stanojevic B, Xenakis A, Savic S. Curcumin-loaded low-energy nanoemulsions: Linking EPR spectroscopy-analysed microstructure and antioxidant potential with in vitro evaluated biological activity. <i>J Mol Liq</i> . 2020;301:112479. doi:10.1016/j.molliq.2020.112479

	5. Damjanović A, Kolundžija B, Matić I, Krivokuća A, Zdunić G, Šavikin K, Janković R, Antić-Stanković J , Stanojković T. Mahonia aquifolium extracts promote doxorubicin effects against lung adenocarcinoma cells in vitro. <i>Molecules</i> . 2020;25(22):5233. doi:10.3390/molecules25225233
Наставник	Референце
Др сц. Биљана Буфан, редовни професор	1. Bufan B , Arsenović-Ranin N, Živković I, Ćuruvija I, Blagojević V, Dragačević L, Kovačević A, Kotur-Stevuljević J, Lepasavić G. Modulation of T-Cell-Dependent Humoral Immune Response to Influenza Vaccine by Multiple Antioxidant/Immunomodulatory Micronutrient Supplementation. <i>Vaccines (Basel)</i> . 2024;12(7):743. doi: 10.3390/vaccines12070743
	2. Bufan B , Marčetić M, Djuretić J, Ćuruvija I, Blagojević V, Božić DD, Milutinović V, Janković R, Sopta J, Kotur-Stevuljević J, Arsenović-Ranin N. Evaluation of the Anti-Inflammatory/Immunomodulatory Effect of <i>Teucrium montanum</i> L. Extract in Collagen-Induced Arthritis in Rats. <i>Biology (Basel)</i> . 2024;13(10):818. doi: 10.3390/biology13100818
	3. Bufan B , Arsenović-Ranin N, Živković I, Petrović R, Lepasavić G. B-cell response to seasonal influenza vaccine in mice is amenable to pharmacological modulation through β -adrenoceptor. <i>Life Sci</i> . 2022;301:120617. doi: 10.1016/j.lfs.2022.120617
	4. Stojić-Vukanić Z, Pilipović I, Bufan B , Stojanović M, Lepasavić G. Age and sex determine CD4+ T cell stimulatory and polarizing capacity of rat splenic dendritic cells. <i>Biogerontology</i> . 2020;21(1):83-107. doi: 10.1007/s10522-019-09845-y
	5. Nacka-Aleksić M, Stojanović M, Simić L, Bufan B , Kotur-Stevuljević J, Stojić-Vukanić Z, Dimitrijević M, Ražić S, Lepasavić G. Sex as a determinant of age-related changes in rat spinal cord inflammation-oxidation state. <i>Biogerontology</i> . 2017;18(5):821-839. doi: 10.1007/s10522-017-9726-4
Наставник	Референце
Др сц. Зорица Стојић- Вуканић, редовни професор	1. Pilipović I, Stojić-Vukanić Z , Lepasavić G. Adrenoceptors as potential target for add-on immunomodulatory therapy in multiple sclerosis. <i>Pharmacol Ther</i> . 2023 Mar;243:108358. doi: 10.1016/j.pharmthera.2023.108358.
	2. Stojić-Vukanić Z , Hadžibegović S, Nicole O, Nacka-Aleksić M, Leštarević S, Lepasavić G. CD8+ T Cell-Mediated Mechanisms Contribute to the Progression of Neurocognitive Impairment in Both Multiple Sclerosis and Alzheimer's Disease? <i>Front Immunol</i> . 2020 Nov 19;11:566225. doi: 10.3389/fimmu.2020.566225.
	3. Stojić-Vukanić Z , Kotur-Stevuljević J, Nacka-Aleksić M, Kosec D, Vujnović I, Pilipović I, Dimitrijević M, Lepasavić G. Sex Bias in Pathogenesis of Autoimmune Neuroinflammation:

	<p>Relevance for Dimethyl Fumarate Immunomodulatory/Anti-oxidant Action. <i>Mol Neurobiol.</i> 2018 May;55(5):3755-3774. doi: 10.1007/s12035-017-0595-2.</p> <p>4. Stojić-Vukanić Z, Pilipović I, Djikić J, Vujnović I, Nacka-Aleksić M, Bufan B, Arsenović-Ranin N, Kosec D, Lepasavić G. Strain specificities in age-related changes in mechanisms promoting and controlling rat spinal cord damage in experimental autoimmune encephalomyelitis. <i>Exp Gerontol.</i> 2018 Jan;101:37-53. doi: 10.1016/j.exger.2017.11.002</p> <p>5. Stojić-Vukanić Z, Pilipović I, Vujnović I, Nacka-Aleksić M, Petrović R, Arsenović-Ranin N, Dimitrijević M, Lepasavić G. GM-CSF-Producing Th Cells in Rats Sensitive and Resistant to Experimental Autoimmune Encephalomyelitis. <i>PLoS One.</i> 2016 Nov 10;11(11):e0166498. doi: 10.1371/journal.pone.0166498.</p>
Наставник	Референце
Др сц. Бранкица Филипић, ванредни професор	<p>1. Kuzmanović Nedeljković S, Čujić Nikolić N, Radan M, Milivojević D, Stević T, Pljevljakušić D, Nikodinović-Runić J, Bigović D, Šavikin K, Filipić B. Microencapsulation of <i>Origanum heracleoticum</i> L. and <i>Thymus vulgaris</i> L. essential oils – Novel strategy to combat multi-resistant <i>Acinetobacter baumannii</i>. <i>Ind Crops Prod.</i> 2024 Sep;216:118762.</p> <p>2. Novović K, Kuzmanović Nedeljković S, Poledica M, Nikolić G, Grujić B, Jovčić B, Kojić M, Filipić B. Virulence potential of multidrug-resistant <i>Acinetobacter baumannii</i> isolates from COVID-19 patients on mechanical ventilation: The first report from Serbia. <i>Front Microbiol.</i> 2023 Feb 6;14:1094184.</p> <p>3. Jovčić B, Novović K, Filipić B, Velhner M, Todorović D, Matović K, Rašić Z, Nikolić S, Kiškarolj F, Kojić M. Genomic characteristics of colistin-resistant <i>Salmonella enterica</i> subsp. <i>Enterica</i> serovar Infantis from poultry farms in the Republic of Serbia. <i>Antibiotics (Basel).</i> 2020 Dec 10;9(12):886.</p> <p>4. Malešević M, Di Lorenzo F, Filipić B, Stanisavljević N, Novović K, Senerović L, Polović N, Molinaro A, Kojić M, Jovčić B. <i>Pseudomonas aeruginosa</i> quorum sensing inhibition by clinical isolate <i>Delftia tsuruhatensis</i>11304: involvement of N-octadecanoylhomoserine lactones. <i>Sci Rep.</i> 2019;9:16465.</p> <p>5. Filipić B, Malešević M, Vasiljević Z, Lukić J, Novović K, Kojić M, Jovčić B. Uncovering differences in virulence markers associated with <i>Achromobacter</i> species of CF and non-CF origin. <i>Front Cell Infect Microbiol.</i> 2017 May 29;7:224.</p>
Наставник	Референце
	<p>1. Gajic I, Tomic N, Lukovic B, Jovicevic M, Kekic D, Petrovic M, Jankovic M, Trudic A, Mitic Culafic D, Milenkovic M, Opavski N. A Comprehensive Overview of Antibacterial Agents for</p>

<p>Др сц. Марина Милenkовић, редовни професор</p>	<p>Combating Multidrug-Resistant Bacteria: The Current Landscape, Development, Future Opportunities, and Challenges. <i>Antibiotics</i> (Basel). 2025 Feb 21;14(3):221. doi: 10.3390/antibiotics14030221.</p> <p>2. Filipić B, Ušjak D, Rambaher MH, Oljatic S, Milenković MT. Evaluation of novel compounds as anti-bacterial or anti-virulence agents. <i>Front Cell Infect Microbiol</i>. 2024 Mar 6;14:1370062. doi: 10.3389/fcimb.2024.1370062.</p> <p>3. Dylağ M, Filipić B, Augustyniak D, Milenković MT. Editorial: Research implications on microbial virulence factors, resistance, and new therapeutic strategies in the context of future infectious disease therapies. <i>Front Cell Infect Microbiol</i>. 2024 Jun 7;14:1406119. doi: 10.3389/fcimb.2024.1406119.</p> <p>4. Ušjak D, Novović K, Ivković B, Tomić B, Đorđević V, Milenković MT. Targeting outer membrane protein A (OmpA) - inhibitory effect of 2'-hydroxychalcone derivatives on <i>Acinetobacter baumannii</i> and <i>Candida albicans</i> dual-species biofilm formation. <i>Biofouling</i>. 2023 Mar;39(3):316-326. doi: 10.1080/08927014.2023.2215693</p> <p>5. Ušjak D, Novović K, Filipić B, Kojić M, Filipović N, Stevanović MM, Milenković MT. In vitro colistin susceptibility of pandrug-resistant <i>Ac. baumannii</i> is restored in the presence of selenium nanoparticles. <i>J Appl Microbiol</i>. 2022 Sep;133(3):1197-1206. doi: 10.1111/jam.15638. Epub 2022 Jun 5.</p>
<p>Наставик</p>	<p>Референце</p>
<p>Др сц. Иван Јанчић, ванредни професор</p>	<p>1. Ivanović J, Arandelović J, Jezdić K, Divović Matović B, Jančić I, Batinić B, Sharmin D, Mondal P, Cook JM, Savić MM. Sex-dependent changes induced by combined low-level systemic inflammation and chronic mild unpredictable stress in rats are partially attenuated by positive modulation of $\alpha 5$ GABAA receptors. <i>Pharmacol Biochem Behav</i>. 2025 Aug;253:174032.</p> <p>2. Jezdić K, Đoković J, Jančić I, Ilić T, Bufan B, Marković B, Ivanović J, Stanković T, Cekić ND, Papadimitriou V, Sharmin D, Mondal P, Cook JM, Savić SD, Savić MM. Parenteral Nanoemulsion for Optimized Delivery of GL-II-73 to the Brain-Comparative In Vitro Blood-Brain Barrier and In Vivo Neuropharmacokinetic Evaluation. <i>Pharmaceutics</i>. 2025 Mar 10;17(3):354.</p> <p>3. Radojević B, Dragašević-Mišković NT, Marjanović A, Branković M, Dobričić V, Milovanović A, Tomić A, Svetel M, Petrović I, Jančić I, Stanisavljević D, Savić MM, Kostić VS. Clinical and Genetic Analysis of Psychosis in Parkinson's Disease. <i>J Parkinsons Dis</i>. 2021;11(4):1973-1980.</p>

	<p>4. Osmokrovic A, Jancic I, Vunduk J, Petrovic P, Milenkovic M, Obradovic B. Achieving high antimicrobial activity: Composite alginate hydrogel beads releasing activated charcoal with an immobilized active agent. Carbohydr Polym. 2018 Sep 15;196:279-288.</p> <p>5. Osmokrovic A, Jancic I, Zizak Z, Milenkovic M, Obradovic B. Activated Charcoal-Alginate Platform for Simultaneous Local Delivery of Bioactive Agents: At the Nexus of Antimicrobial and Cytotoxic Activity of Zn²⁺ Ions. Gels. 2024 Nov 8;10(11):724.</p>
Катедра за фармацевтску технологију и козметологију	
Наставник	Референце
Др сц. Драгана Васиљевић, редовни професор	<p>1. Osmanović Omerdić E, Cvijić S, Ignjatović J, Ivković B, Vasiljević D. In vitro-in silico approach in the development of clopidogrel solid dispersion formulations. Bioengineering 2025; 12, 357. doi.org/10.3390/bioengineering12040357</p>
	<p>2. Osmanović Omerdić E, Alagić-Džambiћ L, Krstić M, Pašić-Kulenović M, Medarević Đ, Ivković B, Vasiljević D. Long-term stability of clopidogrel solid dispersions - Importance of in vitro dissolution test. PLoS One. 2022; 17(4): e0266237. doi.org/10.1371/journal.pone.</p>
	<p>3. Turković E, Vasiljević I, Drašković M, Obradović N, Vasiljević D, Parojčić J. An Investigation into Mechanical Properties and Printability of Potential Substrates for Inkjet Printing of Orodispersible Films. Pharmaceutics 2021, 13, 468. doi: 10.3390/pharmaceutics13040468</p>
	<p>4. Krstić M, Manić L, Martić N, Vasiljević D, Đogo Mračević S, Vukmirović S, Rašković A. Binary polymeric amorphous carvedilol solid dispersions: In vitro and in vivo characterization. Eur J Pharm Sci. 2020; 150, 105343. doi: 10.1016/j.ejps.2020.105343</p>
	<p>5. Drašković M, Turković E, Vasiljević I, Trifković K, Cvijić S, Vasiljević D, Parojčić J. Comprehensive evaluation of formulation factors affecting critical quality attributes of casted orally disintegrating films. J Drug Deliv Sci Tec. 2020; 56:101614. doi: 10.1016/j.jddst.2020.101614</p>
Наставник	Референце
	<p>1. Vasiljević I, Turković E, Parojčić J. Data-driven insights into the properties of liquisolid systems based on machine learning algorithms. Eur. J. Pharm. Sci. 2024 Dec 1; 203: 106927.</p>

Др сц. Јелена Паројчић, редовни професор	<ol style="list-style-type: none"> 2. Turković E, Vasiljević I, Parojčić J. A comprehensive assessment of machine learning algorithms for enhanced characterization and prediction in orodispersible film development. <i>Int. J. Pharm.</i> 2024 Jun 10; 658: 124188. 3. Turković E, Vasiljević I, Drašković M, Parojčić J. Orodispersible films - Pharmaceutical development for improved performance: A review. <i>JDDST.</i> 2022 Sep; 75: 103708. 4. Vasiljević I, Turković E, Piller M, Mirković M, Zimmer A, Aleksić I, Ibrić S, Parojčić J. Processability evaluation of multiparticulate units prepared by selective laser sintering using the SeDeM Expert System approach. <i>Int. J. Pharm.</i> 2022 Dec 15; 629: 122337. 5. Gatarić B, Parojčić J. An Investigation into the factors governing drug absorption and food effect prediction based on data mining methodology. <i>AAPS J</i> 2020. 22: 11.
Наставник	Референце
Др сц. Светлана Ибрић, редовни професор	<ol style="list-style-type: none"> 1. Adamov I, Stanojević G, Pavlović SM, Medarević D, Ivković B, Kočović D, Ibrić S. Powder bed fusion–laser beam (PBF-LB) three-dimensional (3D) printing: Influence of laser hatching distance on the properties of zolpidem tartrate tablets. <i>Int J Pharm.</i> 2024;657:124161. 2. Adamov I, Stanojević G, Medarević D, Ivković B, Kočović D, Mirković D, Ibrić S. Formulation and characterization of immediate-release oral dosage forms with zolpidem tartrate fabricated by digital light processing (DLP) 3D printing technique. <i>Int J Pharm.</i> 2022;624:122046. 3. Ajdarić JB, Ibrić SR. Optimization of the lyophilisation process for esomeprazole 40 mg powder for solution for injection/infusion using quality by design concept. <i>J Drug Deliv Sci Technol.</i> 2022;70:103233. 4. Obeid S, Madžarević M, Ibrić S. Tailoring amlodipine release from 3D printed tablets: Influence of infill patterns and wall thickness. <i>Int J Pharm.</i> 2021;610:121261. 5. Đuranović M, Madžarević M, Ivković B, Ibrić S, Cvijić S. The evaluation of the effect of different superdisintegrants on the drug release from FDM 3D printed tablets through different applied strategies: In vitro-in silico assessment. <i>Int J Pharm.</i> 2021;610:121194.
Наставник	Референце
Др сц. Снежана Савић, редовни професор	<ol style="list-style-type: none"> 1. Nikolić I, Đoković J, Mehn D, Guerrini G, Savić S, Jordan O, Borchard G. When conventional approach in toxicity assays falls short for nanomedicines: a case study with nanoemulsions. <i>Drug Deliv Transl Res</i> 2025 Aug;15(8):2814-2832. doi: 10.1007/s13346-024-01776-7. 2. Đoković JB, Demisli S, Savić SM, Savić SR, Ranđelović DV, Marković BD, Pantelić I, Mitrović JR, Stanković T, Papadimitrou V, Xenakis A, Savić SD. Evaluation of PEGylation efficacy of curcumin-loaded nanoemulsions using complementary methods to assess protein interactions and physicochemical properties. <i>J. Mol. Liq.</i> 404 (2024) 124888. doi: 10.1016/j.molliq.2024.124888.

	<p>3. Mitrović J, Divović-Matović B, Knutson DE, Petković M, Đorović Đ, Ranđelović Danijela V, Dobričić VD, Đoković JB, Lunter DJ, Cook JM, Savić MM, Savić SD. High amount of lecithin facilitates oral delivery of a poorly soluble pyrazoloquinolinone ligand formulated in lipid nanoparticles: Physicochemical, structural and pharmacokinetic performances. <i>Int. J. Pharm.</i> 2023, 633, 122613; doi: 10.1016/j.ijpharm.2023.122613.</p> <p>4. Ilić T, Đoković J, Nikolić I, Mitrović J, Pantelić I, Savić S, Savić M. Parenteral Lipid-Based Nanoparticles for CNS Disorders: Integrating Various Facets of Preclinical Evaluation towards More Effective Clinical Translation. <i>Pharmaceutics</i> 2023, 15(2), 443; doi: 10.3390/pharmaceutics15020443.</p> <p>5. Mitrović J, Bjelošević Žibera M, Vukadinović A, Knutson DE, Sharmin D, Kremenović A, Ahlin Grabnar P, Planinšek O, Lunter D, Cook JM, Savić M, Savić S. Freeze-dried nanocrystal dispersion of novel deuterated pyrazoloquinolinone ligand (DK-I-56-1): Process parameters and lyoprotectant selection through the stability study. <i>Eur. J. Pharm. Sci.</i> 2023, 189, 106557; doi: 10.1016/j.ejps.2023.106557.</p>
Наставник	Референце
Др сц. Љиљана Ђекић, редовни професор	<p>1. Ćirić A, Milinković Budinčić J, Medarević Đ, Dobričić V, Rmandić M, Barudžija T, Malenović A, Petrović L, Djekić Lj. Evaluation of chitosan/xanthan gum polyelectrolyte complexes potential for pH-dependent oral delivery of escin. <i>International Journal of Biological Macromolecules</i>, 2022, 221, 48-60. https://doi.org/10.1016/j.ijbiomac.2022.08.190</p> <p>2. Đuriš J, Cvijić S, Đekić Lj. Model-Informed Drug Development: In Silico Assessment of Drug Bioperformance following Oral and Percutaneous Administration. <i>Pharmaceutics</i> 2024, 17(2), 177. https://doi.org/10.3390/ph17020177 - 30 Jan 2024</p> <p>3. Đekić Lj, Milinković Budinčić J, Fraj J, Petrović L. Carbomer Hydrogels with Microencapsulated α-Tocopherol: Focus on the Biocompatibility of the Microcapsules, Topical Application Attributes, and In Vitro Release Study. <i>Pharmaceutics</i>, 2024, 16, 628. https://doi.org/10.3390/pharmaceutics16050628</p> <p>4. Ćirić A, Martić N, Vukmirović S, Andrejić-Višnjić B, Janković T, Rašković A, Djekić Lj. Chitosan/xanthan gum polyelectrolyte complex microparticles for enhanced oral delivery of ibuprofen and escin: pharmacokinetic and safety assessment in Wistar rats. <i>International Journal of Biological Macromolecules</i>, 2025, 315, 144383. https://doi.org/10.1016/j.ijbiomac.2025.144383</p> <p>5. Milinković S, Đekić Lj. Film-forming solutions for cutaneous application: current challenges and future directions in formulation design and characterization framework. <i>Journal of Drug Delivery</i></p>

	Science and Technology, Available online 28 March 2025, 106863. https://doi.org/10.1016/j.jddst.2025.106863
Наставник	Референце
Др сц. Данина Крајишник, редовни професор	1. Račić A, Krstonošić V, Micov A, Pecikoza U, Dobričić V, Turković E, Krajišnik D. Stability and Efficacy of Mucoadhesive Eye Drops Containing Olopatadine HCl: Physicochemical, Functional, and Preclinical In Vivo Assessment. <i>Pharmaceutics</i> , 2025; 17(4), 517.
	2. Račić A, Dukovski BJ, Lovrić J, Dobričić V, Vučen S, Micov A, Stepanović-Petrović R, Tomić M, Pecikoza U, Bajac J, Krajišnik D. Synergism of polysaccharide polymers in antihistamine eye drops: Influence on physicochemical properties and in vivo efficacy. <i>Int J Pharm.</i> 2024;655:124033.
	3. Krajišnik D, Uskoković-Marković S, Daković A. Chitosan–clay mineral nanocomposites with antibacterial activity for biomedical application: advantages and future perspectives. <i>Int J Mol Sci.</i> 2024;25(19):10377.
	4. Jauković V, Krajišnik D, Daković A, Damjanović A, Krstić J, Stojanović J, Čaliја B. Influence of selective acid-etching on functionality of halloysite-chitosan nanocontainers for sustained drug release. <i>Materials Science and Engineering. C: Materials for Biological Applications</i> 2021; 123:112029.
	5. Janićijević J, Milić J, Čaliја B, Micov A, Stepanović-Petrović R, Tomić M, Daković A, Dobričić V, Nedić Vasiljević B, Krajišnik D. Potentiation of ibuprofen antihyperalgesic effect using inorganically functionalized diatomite. <i>Journal of Material Chemistry B</i> , 2018; 6: 5812-5822.
Наставник	Референце
Др сц. Сандра Цвијић, редовни професор	1. Porat D, Dukhno O, Cvijić S, Dahan A. Physiologically based pharmacokinetic modeling for predicting drug levels after bariatric surgery: vardenafil exposure before vs. after gastric sleeve/bypass. <i>Biomolecules.</i> 2025;15(7):975.
	2. Djuris J, Cvijic S, Djekic L. Model-informed drug development: in silico assessment of drug bioperformance following oral and percutaneous administration. <i>Pharmaceutics.</i> 2024;17(2):177.
	3. Đuranović M, Madžarević M, Ivković B, Ibrić S, Cvijić S. The evaluation of the effect of different superdisintegrants on the drug release from FDM 3D printed tablets through different applied strategies: in vitro–in silico assessment. <i>Int J Pharm.</i> 2021;610:121194.
	4. Shi C, Ignjatovic J, Liu T, Han M, Cun D, Đuriš J, Yang M, Cvijić S. In vitro–in vivo–in silico approach in the development of inhaled drug products: nanocrystal-based formulations with budesonide as a model drug. <i>Asian J Pharm Sci.</i> 2021;16(3):350–62

	5. Milanovic A, Aleksic I, Ibric S, Parojcic J, Cvijic S. Tableting of hot-melt coated paracetamol granules: material tableting properties and quality characteristics of the obtained tablets. <i>Eur J Pharm Sci.</i> 2020;142:105121.
Наставник	Референце
Др сц. Јелена Ђуриш, редовни професор	1. Mudrić J, Đekić L, Krgović N, Medarević Đ, Šavikin K, Radan M, Čujić Nikolić N, Ilić T, Vidović B, Đuriš J. Dual-Mechanism Gastroretentive Tablets with Encapsulated Gentian Root Extract. <i>Pharmaceutics.</i> 2025;17(1):71.
	2. Djuris J, Cvijic S, Djekic L. Model-informed drug development: In silico assessment of drug bioperformance following oral and percutaneous administration. <i>Pharmaceutics.</i> 2024;17(2):177.
	3. Kurčubić I, Vajić UJ, Cvijić S, Crevar-Sakač M, Bogavac-Stanojević N, Miloradović Z, Mihajlović-Stanojević N, Ivanov M, Karanović D, Jovović Đ, Djuriš J. Mucoadhesive buccal tablets with propranolol hydrochloride: Formulation development and in vivo performances in experimental essential hypertension. <i>International Journal of Pharmaceutics.</i> 2021;610:121266.
	4. Ignjatović J, Đuriš J, Cvijić S, Dobričić V, Montepietra A, Lombardi C, Ibric S, Rossi A. Development of solid lipid microparticles by melt-emulsification/spray-drying processes as carriers for pulmonary drug delivery. <i>European Journal of Pharmaceutical Sciences.</i> 2021;156:105588.
	5. Mudrić J, Janković T, Šavikin K, Bigović D, Đukić-Čosić D, Ibric S, Đuriš J. Optimization and modelling of gentiopicroside, isogentisin and total phenolics extraction from <i>Gentiana lutea</i> L. roots. <i>Industrial Crops and Products.</i> 2020;155:112767.
Наставник	Референце
Др сц. Ивана Пантелић, ванредни професор	1. Senerovic L, Stojanović I, Koprivica I, Jonić N, Radulović N, Despotović S, Rokic M, Marković D, Nikolić M, Savić S, Pantelić I, Djokic L. Microbial nanocellulose as an effective lactonase immobilization matrix for enhanced wound healing. <i>Int J Biol Macromol.</i> 2025; 315: 144147. https://doi.org/10.1016/j.ijbiomac.2025.144147
	2. Đoković J, Demisli S, Savić SM, Savić SR, Randjelović D, Marković B, Pantelić I, Mitrović J, Stanković T, Papadimitrou V, Xenakis A, Savić SD. Evaluation of PEGylation efficacy of curcumin-loaded nanoemulsions using complementary methods to assess protein interactions and physicochemical properties. <i>J Mol Liq.</i> 2024; 124888. https://doi.org/10.1016/j.molliq.2024.124888 .
	3. Vukašinović M, Savić S, Cekić N, Ilić T, Pantelić I, Savić SD. Efficient Development of Green Emulsifier/Emollient-Based Emulsion Vehicles: From RSM Optimal Experimental Design to

	<p>Abridged In Vivo Assessment. <i>Pharmaceutics</i>. 2023; 15: 486. https://doi.org/10.3390/pharmaceutics15020486</p> <p>4. Timotijević MD, Ilić T, Marković B, Randjelović D, Cekić N, Nikolić I, Savić S, Pantelić I. Coupling AFM, DSC and FT-IR towards Elucidation of Film-Forming Systems Transformation to Dermal Films: A Betamethasone Dipropionate Case Study. <i>Int J Mol Sci</i>. 2022; 23: 6013. https://doi.org/10.3390/ijms23116013</p> <p>5. Pantelić I, Lukić M, Gojgić-Cvijović G, Jakovljević D, Nikolić I, Lunter DJ, Daniels R, Savić S. <i>Bacillus licheniformis</i> levan as a functional biomaterial in topical drug dosage forms: from basic colloidal considerations to actual pharmaceutical application. <i>Eur J Pharm Sci</i>. 2020; 142: 105109; https://doi.org/10.1016/j.ejps.2019.105109</p>
Наставник	Референце
Др сц. Милица Лукић, ванредни професор	<p>1. Milanković V, Djuriš J, Tubić A, Agbaba J, Forkapić S, Lukić M. Assessing the safety of thermal mineral water for cosmetic applications: an integrated approach using physicochemical, cheminformatics, and bioinformatics techniques. <i>RSC Advances</i> (2025);15(22): 17755-17775, https://doi.org/10.1039/d5ra01252j.</p> <p>2. Lukić M, Ćirić A, Božić DD, Stanković JA, Medarević Đ, Maksimović Z. Extracts from Wheat, Maize, and Sunflower Waste as Natural Raw Materials for Cosmetics: Value-Added Products Reaching Sustainability Goals. <i>Pharmaceutics</i>. (2024); 16(9):1182. https://doi.org/10.3390/pharmaceutics16091182</p> <p>3. Filipovic M, Pecarski D, Djordjevic J, Ivanovic M, Ilic V, Lukic M. Food preparation methods contribution to skin aging: a systematic review. <i>Acta Poloniae Pharmaceutica</i> (2023); 9(6):751-761</p> <p>4. Lukić M, Pantelić I, Savić SD. Towards Optimal pH of the Skin and Topical Formulations: From the Current State of the Art to Tailored Products. <i>Cosmetics</i>. 2021; 8(3):69. https://doi.org/10.3390/cosmetics8030069</p> <p>5. Lukic M, Filipovic M, Pajic N, Lunter D, Bozic D, Savic S. Formulation of topical acidic products and acidification of the skin – Contribution of glycolic acid. <i>International Journal of Cosmetic Science</i> (2021); 43(4): 419-431. https://doi.org/10.1111/ics.12707</p>
Наставник	Референце
Др сц. Ивана Алексић, ванредни професор	<p>1. Glišić T, German Ilić I, Pavlović S, <u>Aleksić I</u>. Experimental investigation of compression and wetting behavior of liquisolid systems with different porous carriers prepared via fluid bed processing. <i>J. Drug. Deliv. Sci. Tec.</i> 2025; 111: 107204. doi: 10.1016/j.jddst.2025.107204</p>

	<p>2. Aleksić I, Glišić T, Ćirin-Varadjan S, Djuris M, Djuris J, Parojčić J. Evaluation of the potential of novel co-processed excipients to enable direct compression and modified release of ibuprofen. <i>Pharmaceutics</i> 2024; 16: 1473. doi: 10.3390/pharmaceutics16111473</p> <p>3. Glišić T, Đuriš J, Vasiljević I, Parojčić J, Aleksić I. Application of machine-learning algorithms for better understanding the properties of liquisolid systems prepared with three mesoporous silica based carriers. <i>Pharmaceutics</i> 2023; 15: 741. doi: 10.3390/pharmaceutics15030741</p> <p>4. Ćirin-Varadjan S, Đuriš J, Mirković M, Ivanović M, Parojčić J, Aleksić I. Comparative evaluation of mechanical properties of lactose-based excipients co-processed with lipophilic glycerides as meltable binders. <i>J Drug Deliv Sci Tec</i> 2022; 67: 102981. doi: 10.1016/j.jddst.2021.102981.</p> <p>5. Vasiljević I, Turković E, Nenadović S, Mirković M, Zimmer A, Parojčić J, Aleksić I. Investigation into liquisolid system processability based on the SeDeM Expert System approach. <i>Int J Pharm</i> 2021; 605: 120847. doi: 10.1016/j.ijpharm.2021.120847</p>
Наставник	Референце
Др сц. Тања Илић, доцент	<p>1. Stanković T, Ilić T, Divović Matović B, Petković M, Dobričić V, Jančić I et al. Intravenous Nanoemulsions Loaded with Phospholipid Complex of a Novel Pyrazoloquinolinone Ligand for Enhanced Brain Delivery. <i>Pharmaceutics</i>. 2025; 17(2):232.</p> <p>2. Xiao Y, Ilić T, Tošić A, Ivković B, Tsaoulidis D, Savić S, Chen T. Topical drug formulation for enhanced permeation: A comparison of Bayesian optimisation and response surface methodology with an ibuprofen-loaded poloxamer 407-based formulations case study. <i>Int J Pharm</i>. 2025;672:125306.</p> <p>3. Ilić T, Đoković JB, Nikolić I, Mitrović JR, Pantelić I, Savić SD, Savić MM. Parenteral Lipid-Based Nanoparticles for CNS Disorders: Integrating Various Facets of Preclinical Evaluation towards More Effective Clinical Translation. <i>Pharmaceutics</i>. 2023;15(2):443.</p> <p>4. Liu Y, Ilić T, Pantelic I, Savić S, Lunter DJ. Topically applied lipid-containing emulsions based on PEGylated emulsifiers: Formulation, characterization, and evaluation of their impact on skin properties ex vivo and in vivo. <i>Int J Pharm</i>. 2022;626:122202.</p> <p>5. Ilić T, Pantelić I, Savić S. The Implications of Regulatory Framework for Topical Semisolid Drug Products: From Critical Quality and Performance Attributes towards Establishing Bioequivalence. <i>Pharmaceutics</i>. 2021;13(5):710.</p>
Сарадник	Референце
	<p>1. Medarević D, Čežek M, Djuriš M, Marković B, Djuriš J, Maksimović Z. Development of co-processed excipient from wheat harvest residue-derived microcrystalline cellulose suitable for</p>

Др сц. Ђорђе Медаревић, виши научни сарадник	<p>formulation of immediate release tablets containing high-dose drug. Cellulose, 2025. https://doi.org/10.1007/s10570-025-06687-5</p> <p>2. Medarević D, Čežek M, Knežević A, Turković E, Barudžija T, Samardžić S, Maksimović Z. From Field to Pharmacy: Isolation, Characterization and Tableting Behaviour of Microcrystalline Cellulose from Wheat and Corn Harvest Residues. <i>Pharmaceutics</i>. 2024 Aug 20;16(8):1090. https://doi.org/10.3390/pharmaceutics16081090</p> <p>3. Adamov I, Stanojević G, Pavlović SM, Medarević D, Ivković B, Kočović D, Ibrić S. Powder bed fusion-laser beam (PBF-LB) three-dimensional (3D) printing: Influence of laser hatching distance on the properties of zolpidem tartrate tablets. <i>Int J Pharm</i>. 2024 May 25;657:124161. https://doi.org/10.1016/j.ijpharm.2024.124161</p> <p>4. Pešić N, Dapčević A, Ivković B, Kachrimanis K, Mitrić M, Ibrić S, Medarević D. Potential application of low molecular weight excipients for amorphization and dissolution enhancement of carvedilol. <i>Int J Pharm</i>. 2021 Oct 25;608:121033. https://doi.org/10.1016/j.ijpharm.2021.121033</p> <p>5. Krkobabić M, Medarević D, Cvijić S, Grujić B, Ibrić S. Hydrophilic excipients in digital light processing (DLP) printing of sustained release tablets: Impact on internal structure and drug dissolution rate. <i>Int J Pharm</i>. 2019; 572:118790. https://doi.org/10.1016/j.ijpharm.2019.118790</p>
Сарадник	Референце
Др сц. Ана Тирић, научни сарадник	<p>1. Đekić L, Ćirić A, Milinković S, Budinčić JM, Fraj J, Petrović L. Film-Forming Microemulsions with Essential Oils: Elucidating Relationships Between Formulation Parameters, Thermodynamic Stability, and Quality Attributes. <i>Processes</i>. 2025 Apr;13(4):990.</p> <p>2. Ćirić A, Martić N, Vukmirović S, Andrejić-Višnjić B, Janković T, Rašković A, Djekić L. Chitosan/xanthan gum polyelectrolyte complex microparticles for enhanced oral delivery of ibuprofen and escin: pharmacokinetic and safety assessment in Wistar rats. <i>International Journal of Biological Macromolecules</i>. 2025 June 1;315:144383.</p> <p>3. Ćirić A, Milinković Budinčić J, Medarević Đ, Dobričić V, Rmandić M, Barudžija T, Malenović A, Petrović L, Djekić L. Evaluation of chitosan/xanthan gum polyelectrolyte complexes potential for pH-dependent oral delivery of escin. <i>International Journal of Biological Macromolecules</i>. 2022;221:48–60.</p> <p>4. Djekić L, Ćirić A. Micro- and nanoscale drug delivery systems based on xanthan gum hydrogels. In: Sougata J, Subrata J, editors. <i>Micro- and Nanoengineered Gum-Based Biomaterials for Drug Delivery and Biomedical Applications</i>. Amsterdam, Netherlands: Elsevier Inc.; 2022. p. 35–76.</p> <p>5. Ćirić A, Medarević Đ, Čalija B, Dobričić V, Rmandić M, Barudžija T, Malenović A, Djekić L. Effect of ibuprofen entrapment procedure on physicochemical and controlled drug release</p>

	performances of chitosan/xanthan gum polyelectrolyte complexes. <i>International Journal of Biological Macromolecules</i> . 2021;167:547–58.
Сарадник	Референце
Др сц. Ивана Курђубић, научни сарадник	1. Djuris J, Kurcubic I, Ibric S, Đuric Z. Chapter 5 – Chemometric methods in pharmaceutical technology, In: Djuriš J, editor. <i>Computer-Aided Applications in Pharmaceutical Technology</i> . 2nd ed. Woodhead Publishing; 2024:87-124.
	2. Kurćubić I, Djuriš J, Cvijić S, Crevar M, Ibrić S, Miloradović Z, Mihailović-Stanojević N, Karanović D, Ivanov M, Jovović Đ, Vajić UJ. Integrated in vitro - in vivo - in silico studies in the pharmaceutical development of propranolol hydrochloride mucoadhesive buccal films. <i>Journal of Drug Delivery Science and Technology</i> . 2023; 86:104715
	3. Mudrić J, Šavikin K, Đekić Lj, Pavlović S, Kurćubić I, Ibrić S, Đuriš J. Development of lipid-based gastroretentive delivery system of gentian extract by double emulsion-melt dispersion technique. <i>Pharmaceutics</i> . 2021; 13(12): 2095
	4. Kurćubić I, Vajić UJ, Cvijić S, Crevar-Sakač M, Bogavac-Stanojević N, Miloradović Z, Mihailović-Stanojević N, Ivanov M, Karanović D, Jovović Đ, Djuriš J. Mucoadhesive buccal tablets with propranolol hydrochloride: Formulation development and in vivo performances in experimental essential hypertension. <i>International Journal of Pharmaceutics</i> . 2021; 610:121266
	5. Kurcubic I, Cvijic S, Filipcev B, Ignjatovic J, Ibric S, Djuris J. Development of propranolol hydrochloride bilayer mucoadhesive buccal tablets supported by in silico physiologically-based modeling. <i>Reactive and Functional Polymer</i> . 2020; 151:104587
Сарадник	Референце
Др сц. Ивана Васиљевић, научни сарадник	1. Vasiljević I, Turković E, Nenadović S, Mirković M, Zimmer A, Parojčić J, Aleksić I. Investigation into liquisolid system processability based on the SeDeM Expert System approach. <i>Int J Pharm</i> . 2021; 605:120847.
	2. Vasiljević I, Turković E, Parojčić J. Data-driven insights into the properties of liquisolid systems based on machine learning algorithms. <i>Eur J Pharm Sci</i> . 2024; 203:106927.
	3. Vasiljević I, Turković E, Piller M, Mirković M, Zimmer A, Aleksić I, Ibrić S, Parojčić J. Processability evaluation of multiparticulate units prepared by selective laser sintering using the SeDeM Expert System approach. <i>Int J Pharm</i> . 2022; 629:122337.
	4. Vasiljević I, Turković E, Piller M, Zimmer A, Parojčić J. An investigation into applicability of different compression behaviour assessment approaches for multiparticulate units characterization. <i>Powder Technol</i> . 2021; 379:526-36.

	5. Turkovic E, Vasiljevic I, Parojcic J. A comprehensive assessment of machine learning algorithms for enhanced characterization and prediction in orodispersible film development. <i>Int J Pharm.</i> 2024; 658:124188.
Сарадник	Референце
Др сц. Јелена Ђоковић, научни сарадник	1. Đoković JB, Savić SM, Mitrović JR, Nikolic I, Marković BD, Randjelović DV, et al. Curcumin Loaded PEGylated Nanoemulsions Designed for Maintained Antioxidant Effects and Improved Bioavailability: A Pilot Study on Rats. <i>Int J Mol Sci.</i> 2021 Jul 27;22(15):7991.
	2. Đoković JB, Demisli S, Savić SM, Marković BD, Cekić ND, Randjelovic DV, et al. The Impact of the Oil Phase Selection on Physicochemical Properties, Long-Term Stability, In Vitro Performance and Injectability of Curcumin-Loaded PEGylated Nanoemulsions. <i>Pharmaceutics.</i> 2022 Aug 10;14(8):1666.
	3. Nikolić I, Đoković J, Mehn D, Guerrini G, Savić S, Jordan O, et al. When conventional approach in toxicity assays falls short for nanomedicines: a case study with nanoemulsions. <i>Drug Deliv Transl Res.</i> 2025 Aug;15(8):2814–32.
	4. Đoković J, Demisli S, Savić SM, Savić SR, Randjelović DV, Marković B, et al. Evaluation of PEGylation efficacy of curcumin-loaded nanoemulsions using complementary methods to assess protein interactions and physicochemical properties. <i>J Mol Liq [Internet].</i> 2024;404. Available from: https://farfar.pharmacy.bg.ac.rs/handle/123456789/5651
	5. Jezdić K, Đoković J, Jančić I, Ilić T, Bufan B, Marković B, et al. Parenteral Nanoemulsion for Optimized Delivery of GL-II-73 to the Brain—Comparative In Vitro Blood–Brain Barrier and In Vivo Neuropharmacokinetic Evaluation. <i>Pharmaceutics.</i> 2025 Mar 10;17(3):354.
Сарадник	Референце
Др сц. Ана Гледовић, научни сарадник	1. Gledovic, A, Janosevic Lezaic, A, Tamburic, S, Savic, S. Red Raspberry Seed Oil Low Energy Nanoemulsions: Influence of Surfactants, Antioxidants, and Temperature on Oxidative Stability. (2022) <i>Antioxidants</i> , 11(10), 1898.
	2. Gledovic, A, Bajuk-Bogdanovic, D, Uskokovic-Markovic, S, Pavun, L, Savic, S., Janosevic Lezaic, A. (2022) Low energy nanoemulsions as carriers for essential oils in topical formulations for antioxidant skin protection. <i>Chemical Industry</i> , 76, 29-42.
	3. Gledovic, A, Janosevic Lezaic, A, Nikolic, I, Tasic-Kostov, M, Antic-Stankovic, J, Krstonosic, V, Randjelovic, D, Bozic, D, Ilic, D, Tamburic, S, Savic, S. Polyglycerol Ester-Based Low Energy Nanoemulsions with Red Raspberry Seed Oil and Fruit Extracts: Formulation Development toward Effective In Vitro/In Vivo Bioperformance. (2021). <i>Nanomaterials</i> , 11(1): 217.

	<p>4. Gledovic, A, Janosevic Lezaic, A, Krstonosic, V, Djokovic, J, Nikolic, I, Bajuk-Bogdanovic, D, Antić Stanković, J, Randjelovic, D, Savic, S M, Tamburic, S, Savic SD. Low-energy nanoemulsions as carriers for red raspberry seed oil: Formulation approach based on Raman spectroscopy and textural analysis, physicochemical properties, stability and in vitro antioxidant/biological activity. (2020) PLoS ONE, 15(4): e0230993.</p> <p>5. Nikolić I, Gledović A, Tamburić S, Major T, Savić S. Nanoemulsions as Carriers for Natural Antioxidants: Formulation Development and Optimisation. (2020) In: Aboudzadeh M.A. (eds) Emulsion-based Encapsulation of Antioxidants. Food Bioactive Ingredients. Springer, Cham. 149–195.</p>
Катедра за фармакогнозију	
Наставник	Референце
Др сц. Силвана Петровић, редовни професор	<p>1. Cvetković S, Ignjatijević A, Kukić-Marković J, Vuletić S, Ušjak Lj, Milutinović V, Mitić-Ćulafić D, Petrović S, Nikolić B. Further insights into antimicrobial and cytotoxic potential of <i>Achillea millefolium</i> herb methanol and dichloromethane extracts. Ind Crops Prod. 2025;225:120553. doi: 10.1016/j.indcrop.2025.120553</p>
	<p>2. Ušjak Lj, Stojković D, Carević T, Milutinović V, Soković M, Niketić M, Petrović S. Chemical analysis and investigation of antimicrobial and antibiofilm activities of <i>Prangos trifida</i> (Apiaceae). Antibiotics. 2024;13(1):41. doi: 10.3390/antibiotics13010041</p>
	<p>3. Milutinović V, Niketić M, Krunić A, Nikolić D, Petković M, Ušjak L, Petrović S. Sesquiterpene lactones from the methanol extracts of twenty-eight <i>Hieracium</i> species from the Balkan Peninsula and their chemosystematic significance. Phytochemistry. 2018;154:19-30. doi: 10.1016/j.phytochem.2018.06.008</p>
	<p>4. Petrović S, Ušjak L, Milenković M, Arsenijević J, Drobac M, Drndarević A, Niketić M. <i>Thymus dactylicus</i> as a new source of antioxidant and antimicrobial metabolites. J Funct Foods. 2017;28:114-121. doi: 10.1016/j.jff.2016.11.007</p>
	<p>5. Petrović S, Drobac M, Ušjak Lj, Filipović V, Milenković M, Niketić M. Volatiles of roots of wild-growing and cultivated <i>Armoracia macrocarpa</i> and their antimicrobial activity, in comparison to horseradish, <i>A. rusticana</i>. Ind Crops Prod. 2017;109:398-403. doi: 10.1016/j.indcrop.2017.08.056</p>
Наставник	Референце
	<p>1. Radović Selgrad JS, Ušjak DJ, Milenković MT, Milinković NLJ, Janković RM, Jevtić JB, Mileski KS, Niketić MS, Kundaković-Vasović TD. Antihyperglycemic activity of</p>

Др сц. Тајјана Кундаковић-Васовић, редовни професор	<i>Alchemilla viridiflora</i> herb methanol extract in streptozotocin-induced diabetic male rats. <i>Molecules</i> . 2025;30(13):2819. doi: 10.3390/molecules30132819
	2. Korić E, Milutinović V, Hajrudinović-Bogunić A, Bogunić F, Kundaković-Vasović T, Gušić I, Radović Selgrad J, Kemal Durić, Nikšić H. Phytochemical characterisation of <i>Sorbus</i> species: unveiling flavonoid profiles related to ploidy and hybrid origin. <i>Plants (Basel)</i> . 2025;14(1):119. doi: 10.3390/plants14010119
	3. Krgović N, Radović Selgrad J, Ilić T, Arsenijević J, Randelović V, Radan M, Živković Ž, Šavikin K, Kundaković Vasović T. Endemic plant <i>Rumex balcanicus</i> : phenolic composition, antioxidant activity, enzyme inhibitory potential and molecular docking analysis. <i>Chem Biodivers</i> . 2024; e202401488 (1 of 12). doi: 10.1002/cbdv.202401488
	4. Radović Selgrad J, Milutinović V, Suručić R, Samardžić S, Kopanja Đ, Kundaković-Vasović T. Enzyme inhibitory activities, phenolic profile, and <i>in silico</i> studies of <i>Sorbus torminalis</i> tree bark methanol extract. <i>Chem Biodivers</i> . 2024;21(11):e202401459. doi: 10.1002/cbdv.202401459
	5. Boškov IA , Savić IM , Grozdanić Stanisavljević NĐ, Kundaković-Vasović TD, Radović Selgrad JS, Savić Gajić IM. Stabilization of black locust flower extract via encapsulation using alginate and alginate–chitosan microparticles. <i>Polymers</i> . 2024;16(5):688. doi: 10.3390/polym16050688
Наставник	Референце
Др сц. Милица Дробац, редовни професор	1. Arsenijević J, Jovanović A, Kovačević N, Drobac M. Basil essential oil: estragole content and chemical profiles. <i>Acta Alimentaria</i> . 2025. doi: 10.1556/066.2024.00244
	2. Slavkovska V, Zlatković B, Marčetić M, Kovačević N, Drobac M. The anatomy and essential oil composition of the different organs of <i>Pimpinella tragioides</i> and <i>P. saxifraga</i> (Apiaceae). <i>Bot Serb</i> . 2022;46(2):269-284. doi: 10.2298/BOTSERB2202269S
	3. Ilić M, Samardžić S, Kotur-Stevuljević J, Ušjak D, Milenković M, Kovačević N, Drobac M. Polyphenol rich extracts of <i>Geranium</i> L. species as potential natural antioxidant and antimicrobial agents. <i>Eur Rev Med Pharmacol Sci</i> . 2021;25(20):6283-6294. doi: 10.26355/eurrev_202110_26998
	4. Ilić M, Marčetić M, Zlatković B, Lakušić B, Kovačević N, Drobac M. Chemical composition of volatiles of eight <i>Geranium</i> L. species from Vlasina Plateau (South Eastern Serbia). <i>Chem Biodivers</i> . 2020;17(2):e1900544. doi: 10.1002/cbdv.201900544

	5. Petrović S, Drobac M, Ušjak Lj, Filipović V, Milenković M, Niketić M. Volatiles of roots of wild-growing and cultivated <i>Armoracia macrocarpa</i> and their antimicrobial activity, in comparison to horseradish, <i>A. rusticana</i> . <i>Ind Crops Prod.</i> 2017;109:398-403. doi: 10.1016/j.indcrop.2017.08.056
Наставник	Референце
Др сц. Мирјана Марчетић, ванредни професор	1. Marčetić M, Bufan B, Drobac M, Antić Stanković J, Arsenović Ranin N, Milenković TM, Božić DD. Multifaceted biological properties of verbascoside/acteoside: antimicrobial, cytotoxic, anti-inflammatory, and immunomodulatory effects. <i>Antibiotics.</i> 2025;14(7): 697. doi: 10.3390/antibiotics14070697
	2. Zbiljić M, Šinžar-Sekulić J, Lakušić D, Stojanović D, Lakušić B, Marčetić M. <i>Teucrium montanum</i> essential oils variability in the Balkan Peninsula. <i>Chem Biodivers.</i> 2025; 0:e00561. doi: 10.1002/cbdv.202500561
	3. Bufan B, Marčetić M, Djuretić J, Ćuruvija I, Blagojević V, Božić DD, Milutinović V, Janković R, Sopta J, Kotur-Stevuljević J, Arsenović-Ranin N. evaluation of the anti-inflammatory/immunomodulatory effect of <i>Teucrium montanum</i> L. extract in collagen-induced arthritis in rats. <i>Biology.</i> 2024;13:818. doi: 10.3390/biology13100818
	4. Ilić T, Đuričić I, Kodranov I, Ušjak Lj, Kolašinac S, Milenković M, Marčetić M, Božić DD, Vidović B. Nutritional value, phytochemical composition and biological activities of <i>Lycium barbarum</i> L. fruits from Serbia. <i>Plant Foods Hum. Nutr.</i> 2024;79:662-668. doi: 10.1007/s11130-024-01208-4
	5. Ilić T, Krgović N, Božić D, Samardžić S, Marčetić M, Zdunić G, Vidović B. Polyphenols profile and in vitro biological activities of black goji berries (<i>Lycium ruthenicum</i> Murr.). <i>J Berry Res.</i> 2024;14:15-28. doi: 10.3233/JBR-230029
Наставник	Референце
Др сц. Јелена Кукић-Марковић, доцент	1. Tovilović-Kovačević G, Zogović N, Ignjatović Đ, Tomić M, Penjišević J, Kukić-Marković J, Krstić-Milošević D. Endothelial-protective actions of diethylether extract from <i>Gentiana kochiana</i> and xanthone gentiacaulein against oxidized LDL-induced injury— <i>in vitro</i> evaluation. <i>Int J Mol Sci.</i> 2025;26(3):1351. doi: 10.3390/ijms26031351
	2. Cvetković S, Ignjatijević A, Kukić-Marković J, Vuletić S, Ušjak Lj, Milutinović V, Mitić-Ćulafić D, Petrović S, Nikolić B. Further insights into antimicrobial and cytotoxic potential of <i>Achillea millefolium</i> herb methanol and dichloromethane extracts. <i>Ind Crops Prod.</i> 2025;225:120553. doi: 10.1016/j.indcrop.2025.120553

	3. Karioti A, Kukić-Marković J, Bilia AR, Niketić M, Petrović S. Chemical profiling of six <i>Stachys</i> taxa from Balkan Peninsula. <i>Biochem Syst Ecol.</i> 2022;104:104482. doi: 10.1016/j.bse.2022.104482
	4. Ušjak Lj, Milutinović V, Đorđić Crnogorac MJ, Stanojković TP, Niketić MS, Kukić-Marković J, Petrović S. Barks of three wild <i>Pyrus</i> taxa: phenolic constituents, antioxidant activity, and <i>in vitro</i> and <i>in silico</i> investigations of α -amylase and α -glucosidase inhibition. <i>Chem Biodivers.</i> 2021;18(10). doi: 10.1002/cbdv.202100446
	5. Drobac M, Kukić-Marković J, Milenković M, Niketić M, Petrović S. The chemical composition, antimicrobial and antiradical properties of the essential oil of <i>Achillea grandifolia</i> aerial parts from Serbia. <i>Bot Serb.</i> 2021;45(2):233-240. doi: 10.2298/BOTSERB2102233D

Катедра за фармакокинетику и клиничку фармацију

Наставник	Референце
Др сц. Бранислава Миљковић, редовни професор	1. Milašinović B, Vezmar Kovačević S, Marković S, Jovanović M, Knežević Ivanovski T, Kralj Đ, Svorcan P, <u>Miljković B</u> , Vučićević K. Real-world safety of vedolizumab in inflammatory bowel disease: a retrospective cohort study supported by FAERS signal analysis. <i>Pharmaceuticals (Basel).</i> 2025;18(8):1127.
	2. Kovačević M, Stanković L, Petrović B, Catić Đorđević A, Kovačević SV, <u>Miljković B</u> . Promoting safe medication use during breastfeeding: uncontrolled interventional before-after study in community pharmacies. <i>Midwifery.</i> 2025;148:104497.
	3. Petrović S, Kovačević M, Kovačević SV, <u>Miljković B</u> . Hepatotoxicity of newer antiseizure medications in children: an overview and disproportionality analysis of Vigibase. <i>Expert Opinion on Drug Metabolism & Toxicology.</i> 2024;20(3):165-173
	4. Pejčić Z, Topić Vučenović V, <u>Miljković B</u> , Vučićević KM. Integrating Clopidogrel's First-Pass Effect in a Joint Semi-Physiological Population Pharmacokinetic Model of the Drug and Its Inactive Carboxylic Acid Metabolite. <i>Pharmaceutics.</i> 2024; 16(5):685.
	5. Panić B, Jovanović M, Lukić V, Vučićević K, <u>Miljković B</u> , Milovanović S. Association of clozapine and norclozapine levels with patient and therapy characteristics-focus on interaction with valproic acid. <i>Eur J Clin Pharmacol.</i> 2023; 79(11):1557-1564. doi: 10.1007/s00228-023-03569-2
Наставник	Референце
	1. Milašinović B, Vezmar Kovačević S, Marković S, Jovanović M, Knežević Ivanovski T, Kralj Đ, Svorcan P, <u>Miljković B</u> , Vučićević K. Real-world safety of vedolizumab in inflammatory bowel

<p>Др сц. Сандра Везмар Ковачевић, редовни професор</p>	<p>disease: a retrospective cohort study supported by FAERS signal analysis. <i>Pharmaceuticals (Basel)</i>. 2025;18(8):1127.</p> <p>2. Kovačević M, Stanković L, Petrović B, Catić Đorđević A, <u>Kovačević SV</u>, Miljković B. Promoting safe medication use during breastfeeding: uncontrolled interventional before-after study in community pharmacies. <i>Midwifery</i>. 2025;148:104497.</p> <p>3. Perić A, <u>Vezmar Kovačević S</u>, Barać A, Perić A, Vojvodić D. Immunomodulatory Effects of Pelargonium sidoides Extract (EPs7630) in the Treatment of Acute Rhinosinusitis. <i>Expert Rev Mol Med</i>. 2025 Jul 15;27:e25.</p> <p>4. Petrović S, Kovačević M, <u>Kovačević SV</u>, Miljković B. Hepatotoxicity of newer antiseizure medications in children: an overview and disproportionality analysis of VigiBase. <i>Expert Opinion on Drug Metabolism & Toxicology</i>. 2024;20(3):165-173</p> <p>5. Perić A, Udilović A, Dobrić S, <u>Vezmar Kovačević S</u>. The impact of treatment choices on potential drug-drug interactions in hypertensive patients. <i>Br J Clin Pharmacol</i>. 2022 May;88(5):2340-2348.</p>
<p>Наставник</p>	<p>Референце</p>
<p>Др сц. Катарина Вучићевић, редовни професор</p>	<p>1. Pejčić Z, Topić Vučenović V, Miljković B, <u>Vučičević KM</u>. Integrating Clopidogrel's First-Pass Effect in a Joint Semi-Physiological Population Pharmacokinetic Model of the Drug and Its Inactive Carboxylic Acid Metabolite. <i>Pharmaceutics</i>. 2024; 16(5):685.</p> <p>2. Magro F, Fernandes S, Patita M, Arroja B, Lago P, Rosa I, Tavares de Sousa H, Ministro P, Mocanu I, Vieira A, Castela J, Moleiro J, Roseira J, Cancela E, Sousa P, Portela F, Correia L, Moreira P, Dias S, Afonso J, Danese S, Peyrin-Biroulet L, <u>Vucicevic KM</u>, Santiago M. The Influence of Subclinical Active Inflammation on IFX Pharmacokinetic Modeling and Disease Progression Assessment: Findings from a Prospective Real-World Study in Inflammatory Bowel Disease Patients. <i>J Crohns Colitis</i>. 2024 Aug 6;18(7):1102-1112.</p> <p>3. Marković S, Kralj Đ, Svorcan P, Knežević Ivanovski T, Odanović O, Obradović S, Homšek A, Jovanović M, Savić R, <u>Vučičević KM</u>. Vedolizumab Clearance as a Surrogate Marker for Remission in Inflammatory Bowel Disease Patients: Insights from Real-World Pharmacokinetics. <i>Pharmaceutics</i>. 2024; 16(12):1629.</p> <p>4. Topić Vučenović V, Rajkovača Z, Jelić D, Stanimirović D, Mikov M, Miljković B, <u>Vučičević K</u>. Population exposure-response model of 131I in patients with benign thyroid disease. <i>Eur J Pharm Sci</i>. 2021 Oct 1;165:105942. doi: 10.1016/j.ejps.2021.105942</p> <p>5. Garcia-Cremades M, <u>Vučičević K</u>, Hendrix CW, Jayachandran P, Jarlsberg L, Grant R, Celum CL, Martin M, Baeten JM, Marrazzo J, Anderson P, Choopanya K, Vanichseni S, Glidden DV, Savić RM. Characterizing HIV-Preventive, Plasma Tenofovir Concentrations-A Pooled</p>

	Participant-level Data Analysis From Human Immunodeficiency Virus Preexposure Prophylaxis Clinical Trials. Clin Infect Dis. 2022 Nov 30;75(11):1873-1882.
Наставник	Референце
Др сц. Марија Јовановић, ванредни професор	1. Mилашинић В, Вежмар Ковачевић С, Марковић С, Јовановић М, Кнежевић Ивановски Т, Краљ Ђ, Сворчан П, Милjkовић В, Вучићевић К. Real-world safety of vedolizumab in inflammatory bowel disease: a retrospective cohort study supported by FAERS signal analysis. Pharmaceuticals (Basel). 2025;18(8):1127.
	2. Марковић С, Краљ Ђ, Сворчан П, Кнежевић Ивановски Т, Одановић О, Обрадовић С, Хомшек А, Јовановић М, Савић Р, Вучићевић К. Vedolizumab clearance as a surrogate marker for remission in inflammatory bowel disease patients: insights from real-world pharmacokinetics. Pharmaceuticals 2024, 16(12), 1629.
	3. Јовановић М, Хомшек А, Марковић С, Краљ Ђ, Сворчан П, Кнежевић Ивановски Т, Одановић О, Вучићевић К. Review and external evaluation of population pharmacokinetic models for vedolizumab in patients with inflammatory bowel disease: assessing predictive performance and clinical applicability. Biomedicines 2025, 13(1), 43.
	4. Панић В, Јовановић М, Лукић В, Вучићевић К, Милjkовић В, Миловановић С. Association of clozapine and norclozapine levels with patient and therapy characteristics-focus on interaction with valproic acid. Eur J Clin Pharmacol. 2023; 79(11):1557-1564.
	5. Јовановић М, Вучићевић К, Милjkовић В. Understanding variability in the pharmacokinetics of atypical antipsychotics - focus on clozapine, olanzapine and aripiprazole population models. Drug Metab Rev. 2020; 52(1):1-18.
Наставник	Референце
Др сц. Милена Ковачевић, доцент	1. Ковачевић М, Станковић Л, Петровић В, Чатић Ђорђевић А, Ковачевић СВ, Милjkовић В. Promoting safe medication use during breastfeeding: uncontrolled interventional before-after study in community pharmacies. Midwifery. 2025;148:104497.
	2. Баралић Кнежевић И, Ковачевић М, Стефановић К, Ереџ П, Миђајловић Г, Аџимовић Ј, Вучићевић КМ. Surveillance of Corrected QT Interval-Prolonging Medications upon Admission throughout Hospitalization in a Tertiary Care Geriatric Ward. Medical Principles and Practice. 2025;34(3):281-290.
	3. Петровић С, Ковачевић М, Ковачевић СВ, Милjkовић В. Hepatotoxicity of newer antiseizure medications in children: an overview and disproportionality analysis of Vigibase. Expert Opinion on Drug Metabolism & Toxicology. 2024;20(3):165-173.

	<p>4. Jovanović M, Kovačević M, Vezmar Kovačević S, Palibrk I, Bjelanović J, Miljković B, Vučićević K. Lidocaine Clearance as Pharmacokinetic Parameter of Metabolic Hepatic Activity in Patients with Impaired Liver. <i>Journal of Medical Biochemistry</i>. 2023;42:1-7.</p> <p>5. Kovačević M, Vezmar Kovačević S, Radovanović S, Stevanović P, Miljković B. Adverse drug reactions caused by drug-drug interactions in cardiovascular disease patients: introduction of a simple prediction tool using electronic screening database items. <i>Current Medical Research and Opinion</i>. 2019;35(11):1873-1883.</p>
Наставник	Референце
Др сц. Милица Тулафић, доцент	<p>1. Antonijević N, Gosnjic N, Marjanovic M, Antonijević J, <u>Culafic M</u>, Starcevic J, Plavsic M, Mostic Stanisic D, Uscumlic A, Lekovic Z, Matic D. Antiplatelet Drugs Use in Pregnancy-Review of the Current Practice and Future Implications. <i>J Pers Med</i>. 2024 May 24;14(6):560.</p> <p>2. Stulic M, Culafic D, Jordovic J, <u>Culafic M</u>, Petrovic N, Stojimirov I, Loncar Z. West Nile Virus Infection in Liver Transplant Recipient With Neither De Novo Infection nor Donor-Derived Infection: A Case Report. <i>Exp Clin Transplant</i>. 2023 Jan;21(1):59-62.</p> <p>3. Kovačević M, <u>Ćulafić M</u>, Vezmar Kovačević S, Borjanić S, Keleč B, Miljković B, Amidžić R. Telepharmacy service experience during the COVID-19 pandemic in the Republic of Srpska, Bosnia and Herzegovina. <i>Health Soc Care Community</i>. 2022 Sep;30(5):e1639-e1650.</p> <p>4. Pejic N, Stojkovic Lalosevic M, Stulic M, <u>Culafic M</u>, Culafic D. Evaluating ground glass opacities (GGO) in the COVID-19 era. Do autoantibodies help? <i>J Infect Dev Ctries</i>. 2022 Sep 30;16(9):1530-1532.</p> <p>5. <u>Ćulafić M</u>, Vezmar-Kovačević S, Dopsaj V, Oluić B, Bidžić N, Miljković B, <u>Ćulafić Đ</u>. Pentoxifylline with metformin treatment improves biochemical parameters in patients with nonalcoholic steatohepatitis. <i>J Med Biochem</i>. 2020 Sep 2;39(3):290-298.</p>
Катедра за фармакологију	
Наставник	Референце
Др сц. Мирослав Савић, редовни професор	<p>1. Đorović Đ, Lazarevic V, Arandelović J, Stevanović V, Paslawski W, Zhang X, Velimirović M, Petronijević N, Puškaš L, Savić MM, Svenningsson P. Maternal deprivation causes CaMKII downregulation and modulates glutamate, norepinephrine and serotonin in limbic brain areas in a rat model of single prolonged stress. <i>J Affect Disord</i>. 2024;349:286-296.</p> <p>2. Divović Matović B, Knutson D, Mitrović J, Stevanović V, Stanojević B, Savić S, Cook JM, Savić MM. Behavioural interaction of pyrazoloquinolinone positive allosteric modulators at α6GABAA</p>

	<p>receptors and diazepam in rats: Anti-diazepam-induced ataxia action as a structure-dependent feature. <i>Basic Clin Pharmacol Toxicol.</i> 2022;131(6):514-524.</p> <p>3. Santrač A, Bijelić D, Stevanović V, Banićević M, Arandelović J, Batinić B, Sharmin D, Cook JM, Savić MM. Postweaning positive modulation of α5GABAA receptors improves autism-like features in prenatal valproate rat model in a sex-specific manner. <i>Autism Res.</i> 2022;15(5):806-820.</p> <p>4. Bojić MG, Todorović L, Santrač A, Mian MY, Sharmin D, Cook JM, Savić MM. Vasodilatory effects of a variety of positive allosteric modulators of GABAA receptors on rat thoracic aorta. <i>Eur J Pharmacol.</i> 2021;899:174023.</p> <p>5. Vasović D, Divović B, Treven M, Knutson DE, Steudle F, Scholze P, Obradović A, Fabjan J, Brković B, Sieghart W, Ernst M, Cook JM, Savić MM. Trigeminal neuropathic pain development and maintenance in rats are suppressed by a positive modulator of α6 GABAA receptors. <i>Eur J Pain.</i> 2019;23(5):973-984.</p>
Наставник	Референце
Др сц. Маја Томић, редовни професор	<p>1. Pecikoza U, Lasica A, Nastić K, Dinić M, Jasnić N, Micov A, Đorđević J, Stepanović-Petrović R, Tomić M. Metformin reduces inflammatory nociception in mice through a serotonin-dependent mechanism. <i>Eur J Pharmacol.</i> 2025;991:177324.</p> <p>2. Tomić M, Nastić K, Dinić M, Brdarić E, Kotur-Stevuljević J, Pecikoza U, Pavićević D, Micov A, Milenković D, Jovanović A, Stepanović-Petrović R. Vortioxetine reduces the development of pain-related behaviour in a knee osteoarthritis model in rats: Involvement of nerve growth factor (NGF) down-regulation. <i>Br J Pharmacol.</i> 2024;181(24):5079-5093.</p> <p>3. Nastić K, Pecikoza U, Labudović-Borović M, Kotur-Stevuljević J, Micov A, Jovanović A, Tomić M, Stepanović-Petrović R. The antidepressant drugs vortioxetine and duloxetine differentially and sex-dependently affect animal well-being, cognitive performance, cardiac redox status and histology in a model of osteoarthritis. <i>Biomed Pharmacother.</i> 2023;166:115360.</p> <p>4. Pecikoza U, Tomić M, Nastić K, Micov A, Stepanović-Petrović R. Synergism between metformin and analgesics/vitamin B₁₂ in a model of painful diabetic neuropathy. <i>Biomed Pharmacother.</i> 2022;153:113441.</p> <p>5. Tomić M, Pecikoza U, Micov A, Vučković S, Stepanović-Petrović R. Antiepileptic drugs as analgesics/adjuvants in inflammatory pain: current preclinical evidence. <i>Pharmacol Ther.</i> 2018;192:42-64.</p>
Наставник	Референце

<p>Др сц. Александра Новаковић, редовни професор</p>	<ol style="list-style-type: none"> 1. Novakovic A, Marinko M, Jankovic G, Stojanovic I, Milojevic P, Nenezic D, Kanjuh V, Yang Q, He G-W. Endothelium-dependent vasorelaxant effect of procyanidin B2 on human internal mammary artery. <i>European Journal of Pharmacology</i> 2017;807:75-81. 2. Jankovic G, Marinko M, Milojevic P, Stojanovic I, Nenezic D, Kanjuh V, Yang Q, He GW, Novakovic A. Mechanisms of endothelium-dependent vasorelaxation induced by procyanidin B2 in venous bypass graft. <i>J Pharmacol Sci.</i> 2020;142: 101-8. 3. Marinko M, Hou HT, Stojanovic I, Milojevic P, Nenezic D, Kanjuh V, Yang Q, He GW, Novakovic A. Mechanisms underlying the vasorelaxant effect of hydrogen sulfide on human saphenous vein. <i>Fundam Clin Pharmacol.</i> 2021;35(5):906-918. 4. Hou HT, Wang J, Wang ZQ, Liu XC, Marinko M, Novakovic A, Yang Q, He GW. Effect of Benidipine in Human Internal Mammary Artery and Clinical Implications. <i>Ann Thorac Surg</i> 2016; 101(5):1789-1795. 5. Marinko M, Stojanovic I, Milojevic P, Nenezic D, Kanjuh V, Yang Q, He GW, Novakovic A. Involvement of different K⁺ channel subtypes in hydrogen sulfide-induced vasorelaxation of human internal mammary artery. <i>Fundam Clin Pharmacol.</i> 2024;38(6):1155-1167.
<p>Наставник</p>	<p>Референце</p>
<p>Др сц. Ана Мицов, ванредни професор</p>	<ol style="list-style-type: none"> 1. Račić A, Jurišić Dukovski B, Lovrić J, Dobričić V, Vučen S, Micov A, Stepanović-Petrović R, Tomić M, Pecikoza U, Bajac J, Krajišnik D. Synergism of polysaccharide polymers in antihistamine eye drops: Influence on physicochemical properties and in vivo efficacy. <i>Int J Pharm.</i> 2024;655:124033. 2. Micov AM, Tomić MA, Todorović MB, Vuković MJ, Pecikoza UB, Jasnic NI, Djordjevic JD, Stepanović-Petrović RM. Vortioxetine reduces pain hypersensitivity and associated depression-like behavior in mice with oxaliplatin-induced neuropathy. <i>Prog Neuropsychopharmacol Biol Psychiatry.</i> 2020;103:109975. 3. Djekic L, Marković B, Micov A, Tomić M, Pecikoza U, Stepanović-Petrović R. Percutaneous delivery of levetiracetam as an alternative to topical nonsteroidal anti-inflammatory drugs: formulation development, in vitro and in vivo characterization. <i>Drug Deliv Transl Res.</i> 2021;11(1):227-241. 4. Djekic L, Marković B, Micov A, Tomić M, Pecikoza U, Stepanović-Petrović R. Percutaneous delivery of levetiracetam as an alternative to topical nonsteroidal anti-inflammatory drugs: formulation development, in vitro and in vivo characterization. <i>Drug Deliv Transl Res.</i> 2021;11(1):227-241.

	5. Stepanović-Petrović R, Micov A , Tomić M, Pecikoza U. Levetiracetam synergizes with gabapentin, pregabalin, duloxetine and selected antioxidants in a mouse diabetic painful neuropathy model. <i>Psychopharmacology (Berl)</i> . 2017;234(11):1781-1794.
Наставник	Референце
Др сц. Урош Пецикоза, доцент	1. Pecikoza U , Lasica A, Nastić K, Dinić M, Jasnić N, Micov A, Đorđević J, Stepanović-Petrović R, Tomić M. Metformin reduces inflammatory nociception in mice through a serotonin-dependent mechanism. <i>Eur J Pharmacol</i> . 2025;991:177324. doi: 10.1016/j.ejphar.2025.177324.
	2. Nastić K, Pecikoza U , Labudović-Borović M, Kotur-Stevuljević J, Micov A, Jovanović A, Tomić M, Stepanović-Petrović R. The antidepressant drugs vortioxetine and duloxetine differentially and sex-dependently affect animal well-being, cognitive performance, cardiac redox status and histology in a model of osteoarthritis. <i>Biomed Pharmacother</i> . 2023;166:115360. doi: 10.1016/j.biopha.2023.115360.
	3. Pecikoza U , Tomić M, Nastić K, Micov A, Stepanović-Petrović R. Synergism between metformin and analgesics/vitamin B12 in a model of painful diabetic neuropathy. <i>Biomed Pharmacother</i> . 2022;153:113441. doi: 10.1016/j.biopha.2022.113441.
	4. Tomić M, Pecikoza U , Micov A, Vučković S, Stepanović-Petrović R. Antiepileptic drugs as analgesics/adjuvants in inflammatory pain: current preclinical evidence. <i>Pharmacol Ther</i> . 2018;192:42-64.
	5. Dinić M, Pecikoza U , Djokić J, Stepanović-Petrović R, Milenković M, Stevanović M, Filipović N, Begović J, Golić N, Lukić J. Exopolysaccharide Produced by Probiotic Strain <i>Lactobacillus paraplantarum</i> BGCG11 Reduces Inflammatory Hyperalgesia in Rats. <i>Front Pharmacol</i> . 2018;9:1. doi: 10.3389/fphar.2018.00001.
Наставник	Референце
Др Јована Аранђеловић, научни сарадник	1. Ivanović J, Arandelović J , Jezdić K, Matović BD, Jančić I, Batinić B, Sharmin D, Mondal P, Cook JM, Savić MM. Sex-dependent changes induced by combined low-level systemic inflammation and chronic mild unpredictable stress in rats are partially attenuated by positive modulation of $\alpha 5$ GABAA receptors. <i>Pharmacol Biochem Behav</i> . 2025;253:174032.
	2. Gajić Bojić M, Arandelović J , Škrbić R, Savić MM. Peripheral GABAA receptors - Physiological relevance and therapeutic implications. <i>Pharmacol Ther</i> . 2025;266:108759.
	3. Arandelović J , Ivanović J, Batinić B, Mirković K, Matović BD, Savić MM. Sucrose binge-eating and increased anxiety-like behavior in Sprague-Dawley rats exposed to repeated LPS administration followed by chronic mild unpredictable stress. <i>Sci Rep</i> . 2024;14(1):22569.

	<p>4. Đorović Đ, Lazarević V, Arandelović J, Stevanović V, Paslawski W, Zhang X, Velimirović M, Petronijević N, Puškaš L, Savić MM, Svenningsson P. Maternal deprivation causes CaMKII downregulation and modulates glutamate, norepinephrine and serotonin in limbic brain areas in a rat model of single prolonged stress. <i>J Affect Disord.</i> 2024;349:286-296.</p> <p>5. Arandelović J, Santrač A, Batinić B, Todorović L, Stevanović V, Tiruveedhula VVNPB, Sharmin D, Rashid F, Stanojević B, Cook JM, Savić MM. Effects of $\alpha 5$ GABAA receptor modulation on social interaction, memory, and neuroinflammation in a mouse model of Alzheimer's disease. <i>CNS Neurosci Ther.</i> 2022;28(11):1767-1778.</p>
Наставник	Референце
Др Марија Маринко, научни сарадник (и пред непосредним окончањем избора у звање доцента)	<p>1. Marinko M, Stojanovic I, Milojevic P, Nenezic D, Kanjuh V, Yang Q, He GW, Novakovic A. Involvement of different K⁺ channel subtypes in hydrogen sulfide-induced vasorelaxation of human internal mammary artery. <i>Fundam Clin Pharmacol.</i> 2024;38(6):1155-1167.</p> <p>2. Marinko M, Hou HT, Stojanovic I, Milojevic P, Nenezic D, Kanjuh V, Yang Q, He GW, Novakovic A. Mechanisms underlying the vasorelaxant effect of hydrogen sulfide on human saphenous vein. <i>Fundam Clin Pharmacol.</i> 2021;35(5):906-918.</p> <p>3. Jankovic G, Marinko M, Milojevic P, Stojanovic I, Nenezic D, Kanjuh V, Yang Q, He GW, Novakovic A. Mechanisms of endothelium-dependent vasorelaxation induced by procyanidin B2 in venous bypass graft. <i>J Pharmacol Sci.</i> 2020;142:101-108.</p> <p>4. Marinko M, Jankovic G, Nenezic D, Milojevic P, Stojanovic I, Kanjuh V, Novakovic A. (-)-Epicatechin-induced relaxation of isolated human saphenous vein: Roles of K⁺ and Ca²⁺ channels. <i>Phytother Res.</i> 2018;32(2):267-275.</p> <p>5. Hou HT, Wang J, Wang ZQ, Liu XC, Marinko M, Novakovic A, Yang Q, He GW. Effect of Benidipine in Human Internal Mammary Artery and Clinical Implications. <i>Ann Thorac Surg.</i> 2016;101(5):1789-1795.</p>
Катедра за медицинску биохемију	
Наставник	Референце
Др сц. Александра Топић, редовни професор	<p>1. Topic A, Vasic M, Markovic B, Milinkovic N, Dincic E. The Effects of Disease-Modifying Therapies on Oxidative Stress in Patients With Relapsing-Remitting Multiple Sclerosis. <i>Clin Neuropharmacol.</i> 2022;45(6):157-161.</p> <p>2. Topic A, Milovanovic V, Lazic Z, Ivosevic A, Radojkovic D. Oxidized Alpha-1-Antitrypsin as a Potential Biomarker Associated with Onset and Severity of Chronic Obstructive Pulmonary Disease in Adult Population. <i>COPD.</i> 2018;15(5):472-478.</p>

	<p>3. Topic A, Francuski D, Nikolic A, Milosevic K, Jovicic S, Markovic B, Djukic M, Radojkovic D. The Role of Oxidative Stress in the Clinical Manifestations of Childhood Asthma. <i>Fetal Pediatr Pathol.</i> 2017;36(4):294-303.</p> <p>4. Topic A, Nagorni-Obradovic L, Francuski D, Ljubic M, Malic Z, Radojkovic D. Oxidative Stress and Polymorphism of Xenobiotic-Metabolizing Enzymes in Two Patients with Severe Alpha-1-Antitrypsin Deficiency. <i>Biochem Genet.</i> 2016;54(5):746-52.</p> <p>5. Topic A, Malic Z, Francuski D, Stankovic M, Markovic B, Soskic B, Tomic B, Ilic S, Dobrivojevic S, Drca S, Radojkovic D. Gender-related differences in susceptibility to oxidative stress in healthy middle-aged Serbian adults. <i>Biomarkers.</i> 2016;21(2):186-93.</p>
Наставник	Референце
Др сц. Јелена Котур-Стевуљевић, редовни професор	<p>1. Subošić B, Zdravković V, Ješić M, Munjas J, Kovačević S, Guzonjić A, Kotur-Stevuljević J. Childhood obesity accelerates biological ageing: is oxidative stress a link? <i>British Journal of Nutrition</i> 2024; 132(2):227–235.</p> <p>2. Vukašinović A, Ostanek B, Klisic A, Kafedžić S, Zdravković M, Ilić I, Sopić M, Hinić S, Stefanović M, Memon L, Gaković B, Bogavac-Stanojević N, Spasojević-Kalimanovska V, Marc J, Nešković AN, Kotur-Stevuljević, J. Telomere-telomerase system status in patients with acute myocardial infarction with ST-segment elevation (STEMI) -relationship with oxidative stress. <i>Arch Med Sci</i> 2021.</p> <p>3. Kotur-Stevuljević J, Vekic J, Stefanovic A, Zeljkovic A, Ninic A, Ivanisevic J, Miljkovic M, Sopic M, Munjas J, Mihajlovic M, Spasic S, Jelic-Ivanovic Z, Spasojevic-Kalimanovska V. Paraoxonase 1 and atherosclerosis-related diseases <i>Biofactors</i> 2020; 46(2):193-205.</p> <p>4. Klisic A, Kavacic N, Stanisic V, Vujcic S, Spasojevic-Kalimanovska V, Ninic A, Kotur-Stevuljević J. Endocan and a novel score for dyslipidemia, oxidative stress and inflammation (DOI score) are independently correlated with glycated hemoglobin (HbA(1c)) in patients with prediabetes and type 2 diabetes. <i>Arch Med Sci</i> 2020;16(1): 42-50.</p> <p>5. Kotur-Stevuljević J, Bogavac-Stanojevic N, Jelic-Ivanovic Z, Stefanovic A, Gojkovic T, Joksic J, Sopic M, Gulan B, Janac J, Milosevic S. Oxidative stress and paraoxonase 1 status in acute ischemic stroke patients. <i>Atherosclerosis</i> 2015; 241: 192-198.</p>
Наставник	Референце
Др сц. Наташа Богавац-Станојевић, редовни професор	<p>1. Djekic, S.; Vekic, J.; Zeljkovic, A.; Kotur-Stevuljevic, J.; Kafedzic, S.; Zdravkovic, M.; Ilic, I.; Hinic, S.; Cerovic, M.; Stefanovic, M.; Mihajlovic, M.; Nešković, A.; Bogavac-Stanojevic, N. HDL Subclasses and the Distribution of Paraoxonase-1 Activity in Patients with ST-Segment Elevation Acute Myocardial Infarction. <i>Int. J. Mol. Sci.</i> 2023, <i>24</i>, 9384.</p>

	<p>2. Lalošević, M., Kotur-Stevuljević, J., Vekić, J., Rizzo, M., Kosanović, T., Blagojević, I. P., Zeljković, A., Jeremić, D., Mihajlović, M., Petković, A., Hajdarpasić, L., Djordjević, M., Dobrić, V., Erceg, S., Vujčić, S., Marjanović, J., Jovanović, J. M., Saponjski, J., & Bogavac-Stanojević, N. (2021). Alteration in Redox Status and Lipoprotein Profile in COVID-19 Patients with Mild, Moderate, and Severe Pneumonia. <i>Oxidative Medicine and Cellular Longevity</i>, 2022(1), 8067857</p> <p>3. Djekić, S., Vekić, J., Zeljković, A., Stefanović, A., Kafedžić, S., Zdravković, M., Ilić, I., Hinic, S., Cerović, M., Stefanović, M., Kotur-Stevuljević, J., Vukasinić, A., Ivanisević, J., Memon, L., Vuković-Dejanović, V., Nesković, A. N., and Bogavac-Stanojević, N. (2021). Investigation of IgG anti-oxLDL antibody levels and HDL and LDL subclasses in patients with ST-segment elevation acute myocardial infarction. <i>Archives of Medical Science</i>.</p> <p>4. Stevanović M, Vekić J, Bogavac-Stanojević N, Janac J, Stjepanović Z, Zeljković D, et al. Significance of LDL and HDL subclasses characterization in the assessment of risk for colorectal cancer development. <i>Biochem Med (Zagreb)</i>. 2018;28:030713</p> <p>5. Petrović S, Bogavac-Stanojević N, Lakić D, Peco-Antić A, Vulicević I, Ivanisević I, et al. Cost-effectiveness analysis of acute kidney injury biomarkers in pediatric cardiac surgery. <i>Biochem Med (Zagreb)</i>. 2015;25:262-271</p>
Наставник	Референце
Др сц. Александра Зељковић, редовни професор	<p>1. Derikonjić M, Vekić J, Stefanović A, Matutinović MS, Munjas J, Antonić T, Mitrović M, Arđalić D, Stanković M, Gojković T, Trailović MM, Ivanisević J, Stanojević NB, Jovićić S, Miković Z, Zeljković A. Associations of excessive gestational weight gain with changes in components of maternal reverse cholesterol transport and neonatal outcomes. <i>Sci Rep</i>. 2025 Feb 17;15(1):5716.</p> <p>2. Franković I, Djurić I, Ninić A, Vekić J, Vorkapić T, Erceg S, Gojković T, Tomasević R, Mamić M, Mitrović M, Zeljković A. Increased Odds of Metabolic Dysfunction-Associated Steatotic Liver Disease Are Linked to Reduced n-6, but Not n-3 Polyunsaturated Fatty Acids in Plasma. <i>Biomolecules</i>. 2024; 14(8):902.</p> <p>3. Derikonjić M, Sarić Matutinović M, Vladimirov Sopić S, Antonić T, Stefanović A, Vekić J, Arđalić D, Miljković-Trailović M, Stanković M, Gojković T, Ivanisević J, Munjas J, Jovićić S, Miković Z, Zeljković A. The Effects of Pregestational Overweight and Obesity on Maternal Lipidome in Pregnancy: Implications for Newborns' Characteristics. <i>Int J Mol Sci</i>. 2024; 25(13):7449.</p> <p>4. Zeljković A, Vekić J, Stefanović A. Obesity and dyslipidemia in early life: Impact on cardiometabolic risk. <i>Metabolism</i>. 2024 Jul; 156:155919.</p>

	5. Zeljko A , Mihajlovic M, Stefanovic A, Zeljkovic D, Trifunovic B, Miljkovic M, Spasojevic-Kalimanovska V, Vekic J. Potential use of serum IGF-1 and E-cadherin as biomarkers of colorectal cancer. <i>Colorectal Dis.</i> 2020;22(12):2078-2086.
Наставник	Референце
Др сц. Јелена Векић, редовни професор	1. Vujcic S, Kotur-Stevuljevic J, Vujcic Z, Stojanovic S, Beljic Zivkovic T, Vuksanovic M, Marjanovic Petkovic M, Perovic Blagojevic I, Koprivica-Uzelac B, Ilic-Mijailovic S, Rizzo M, Zeljkovic A, Stefanovic T, Bosic S, Vekic J . Global DNA methylation in poorly controlled type 2 diabetes mellitus: association with redox and inflammatory biomarkers. <i>Int J Mol Sci</i> 2025;26(14):6716.
	2. Vekic J , Klisic A, Kotur-Stevuljevic J, Milinkovic N, Gluscevic S, Ciftel S, Mercantepe F. Sex-specific associations between thyroid status, inflammation and hemostasis biomarkers in patients with subacute thyroiditis. <i>Biomedicines</i> 2024;12(8):1862.
	3. Vekic J , Stefanovic A, Zeljkovic A. Obesity and dyslipidemia: a review of current evidence. <i>Curr Obes Rep</i> 2023;12(3):207-222.
	4. Zeljkovic A, Mihajlovic M, Vujcic S, Guzonjic A, Munjas J, Stefanovic A, Kotur-Stevuljevic J, Rizzo M, Bogavac-Stanojevic N, Gagic J, Kostadinovic J, Vekic J . The prospect of genomic, transcriptomic, epigenetic and metabolomic biomarkers for the personalized prevention of type 2 diabetes and cardiovascular diseases. <i>Curr Vasc Pharmacol</i> 2023;21(3):185-196.
	5. Bojanin D, Vekic J , Milenkovic T, Vukovic R, Zeljkovic A, Stefanovic A, Janac J, Ivanisevic J, Mitrovic K, Miljkovic M, Spasojevic-Kalimanovska V. Association between proprotein convertase subtilisin/kexin 9 (PCSK9) and lipoprotein subclasses in children with type 1 diabetes mellitus: effects of glycemic control. <i>Atherosclerosis</i> 2019;280:14-20.
Наставник	Референце
Др сц. Ана Нинић, редовни професор	1. Ninić A , Rajkov B, Kotur-Stevuljević J, Erceg S, Sopić M, Munjas J, Spasojević-Kalimanovska V, Mitrović M, Memon L, Gardijan V, Brajković M, Klačnja S, Zdravković M Association Between Redox and Inflammatory Biomarkers with the Presence and Severity of Obstructive Sleep Apnea. <i>Medicina.</i> 2025;61(9):1557.
	2. Erceg S, Munjas J, Sopić M, Tomašević R, Mitrović M, Kotur-Stevuljević J, Mamić M, Vujčić S, Klisic A, Ninić A . Expression Analysis of Circulating miR-21, miR-34a and miR-122 and Redox Status Markers in Metabolic Dysfunction-Associated Steatotic Liver Disease Patients with and Without Type 2 Diabetes. <i>Int J Mol Sci.</i> 2025;26(6):2392.

	<p>3. Ciftel E, Klisic A, Kizilkaya B, Cure O, Mercantepe F, Karakas SM, Ninić A. Association of Low Free T3 with Disease Presence and Activity in Ankylosing Spondylitis. <i>Int J Mol Sci</i>. 2025;26(16):7862.</p> <p>4. Astan R, Patoulias D, Ninić A, Dayanan R, Karakasis P, Mercantepe T, Mercantepe F, Klisic A. Blood Pressure Patterns and Hepatosteatosis: Cardiometabolic Risk Assessment in Dipper and Non-Dipper Phenotypes. <i>J Clin Med</i>. 2024;13(22):6976.</p> <p>5. Ninić A, Bojanin D, Sopić M, Mihajlović M, Munjas J, Milenković T, Stefanović A, Vekić J, Spasojević-Kalimanovska V. Transforming growth factor-β1 and receptor for advanced glycation end products gene expression and protein levels in adolescents with type 1 diabetes mellitus. <i>J Clin Res Pediatr Endocrinol</i>. 2021;13(1):61-71.</p>
Наставник	Референце
Др сц. Александра Стефановић, редовни професор	<p>1. Stankovic M, Zeljkovic A, Vekic J, Antonic T, Ardalic D, Miljkovic-Trailovic M, Munjas J, Saric Matutinovic M, Gojkovic T, Jovicic S, Mikovic Z, Stefanovic A. Differences in HDL Remodeling during Healthy Pregnancy and Pregnancy with Cardiometabolic Complications. <i>Antioxidants (Basel)</i>. 2024 Aug 3;13(8):948. doi: 10.3390/antiox13080948. PMID: 39199194; PMCID: PMC11352027.</p> <p>2. Antonic T, Vladimirov S, Ardalic D, Miljkovic-Trailovic M, Saric-Matutinovic M, Gojkovic T, Munjas J, Ivanisevic J, Jovicic S, Vekic J, Zeljkovic A, Mikovic Z, Stefanović A. Unraveling sphingolipid dynamics in late-onset preeclampsia: insights from lipidomic analysis. <i>Biochem Med (Zagreb)</i>. 2025 Feb 15;35(1):010707. doi: 10.11613/BM.2025.010708. PMID: 39974194; PMCID: PMC11838718.</p> <p>3. Zeljkovic A, Vekic J, Stefanovic A. Obesity and dyslipidemia in early life: Impact on cardiometabolic risk. <i>Metabolism</i>. 2024 Jul;156:155919. doi: 10.1016/j.metabol.2024.155919. Epub 2024 Apr 21. PMID: 38653373.</p> <p>4. Antonić T, Ardalić D, Vladimirov S, Zeljković A, Vekić J, Mitrović M, Ivanišević J, Gojković T, Munjas J, Spasojević-Kalimanovska V, Miković Ž, Stefanović A. Cholesterol Metabolic Profiling of HDL in Women with Late-Onset Preeclampsia. <i>Int J Mol Sci</i>. 2023 Jul 12;24(14):11357. doi: 10.3390/ijms241411357. PMID: 37511116; PMCID: PMC10380085.</p> <p>5. Matutinović MS, Zeljkovic A, Vekic J, Ardalic D, Mikovic Ž, Stefanovic A. Predictive analysis of lipidome patterns in gestational diabetes mellitus risk assessment. <i>Pol Arch Intern Med</i>. 2025 Feb 27;135(2):16953. doi: 10.20452/pamw.16953. Epub 2025 Feb 13. PMID: 39950820.</p>
Наставник	Референце

Др сц. Мирон Сопић, ванредни професор	<ol style="list-style-type: none"> 1. Nordestgaard LT, Wolford BN, de Gonzalo-Calvo D, Sopić M, Devaux Y, Matic L, Wettinger SB, Schmid JA, Amigó N, Masana L, Catapano AL. Multiomics in atherosclerotic cardiovascular disease. <i>Atherosclerosis</i>. 2025 Sep 1;408:120414. 2. Stopa V, Dafou D, Karagianni K, Nossent AY, Farrugia R, Devaux Y, Sopic M, CA21153 AC. Epitranscriptomics in atherosclerosis: Unraveling RNA modifications, editing and splicing and their implications in vascular disease. <i>Vascular Pharmacology</i>. 2025 Apr 14:107496. 3. Vladimirov S, Tomasevic M, Popov N, Munjas J, de Gonzalo-Calvo D, Sopic M. The converging roles of microRNAs and lipid metabolism in atherosclerotic cardiovascular disease and cancer. In <i>Seminars in Cancer Biology</i> 2025 Sep 1 (Vol. 114, pp. 41-59). Academic Press. 4. Sopic M, Vilne B, Gerdts E, Trindade F, Uchida S, Khatib S, Wettinger SB, Devaux Y, Magni P. Multiomics tools for improved atherosclerotic cardiovascular disease management. <i>Trends in Molecular Medicine</i>. 2023 Dec 1;29(12):983-95. 5. Sopić M, Vladimirov S, Munjas J, Mitić T, Hall IF, Jusic A, Ruzic D, Devaux Y, AtheroNET COST Action CA21153 (https://atheronet.eu/). Targeting noncoding RNAs to treat atherosclerosis. <i>British Journal of Pharmacology</i>. 2025 Jan;182(2):220-45.
Наставник	Референце
Др сц. Јасмина Иванишевић, доцент	<ol style="list-style-type: none"> 1. Ivanišević J, Kotur Stevuljević J, Stefanović A, Spasić S, Vucinić Mihailović V, Videnović Ivanov J, Jelić Ivanović Z. Association of serum amyloid A and oxidative stress with paraoxonase 1 in sarcoidosis patients. <i>Eur J Clin Invest</i> 2016; 46: 418-24 2. Ivanišević J, Kotur-Stevuljević J, Stefanović A, Miljković M, Jelić-Ivanović Z, Pejović B, Peco-Antić A. Association of paraoxonase 1 and oxidative stress with acute kidney injury in premature asphyxiated neonates. <i>Chem Biol Interact</i> 2017; 272: 47-52 3. Bojanin D, Vekic J, Milenkovic T, Vukovic R, Zeljkovic A, Stefanovic A, Janac J, Ivanisevic J, Mitrovic K, Miljkovic M, Spasojevic-Kalimanovska V. Association between proprotein convertase subtilisin/kexin 9 (PCSK9) and lipoprotein subclasses in children with type 1 diabetes mellitus: Effects of glycemic control. <i>Atherosclerosis</i> 2018; 280: 14-20. 4. Kotur-Stevuljević J, Vekić J, Stefanović A, Zeljković A, Ninić A, Ivanišević J, Miljković M, Sopić M, Munjas J, Mihajlović M, Spasić S, Jelić-Ivanović Z, Spasojević-Kalimanovska V. Paraoxonase 1 and atherosclerosis-related diseases. <i>Biofactors</i> 2019; 46: 193-205. 5. Antić T, Ardalić D, Vladimirov S, Zeljković A, Vekić J, Mitrović M, Ivanišević J, Gojković T, Munjas J, Spasojević Kalimanovska V, Miković Ž, Stefanović A. Cholesterol Metabolic Profiling of HDL in Women with Late-Onset Preeclampsia. <i>Int J Mol Sci</i> 2023; 24: 11357
Наставник	Референце

<p>Др сц. Снежана Јовичић, доцент</p>	<ol style="list-style-type: none"> 1. Stjepanovic M, Sumarac Z, Grubac D, Belic S, Maric, Djurdjevic N, Sumarac A, Jankovic J, Jovivic S. ACE and chitotriosidase as possible predictive biomarkers for activity of sarcoidosis in correlation with PET/CT findings. <i>Journal of Medical Biochemistry</i> 2025;44(2):287-93. 2. Ružanović A, Sarić-Matutinović M, Milinković N, Jovičić S, Dimić A, Matejević D, Kostić O, Gaković B, Končar I, Ignjatović S. Association of matrix metalloproteinases and; adhesive molecules with important aspects of carotid artery stenosis. <i>Journal of Medical Biochemistry</i> 2025;44(3):553-60. 3. Trtica M, Novaković I, Dopsaj V, Milenković B, Janković J, Dimić-Janjić S, Dopuđa-Pantić V, Martinović J, Jovičić S. Influence of Tmprss6 genotype on iron status parameters in stable COPD patients. <i>Journal of Medical Biochemistry</i> 2025;44(1):129-40. 4. Jovičić S, Milinoković N. Strategies for energy conservation and sustainability in medical laboratories, <i>Critical Reviews in Clinical Laboratory Sciences</i> 2025;1–19. https://doi.org/10.1080/10408363.2025.2527284 5. Jovičić S, Vitkus D. Digital transformation towards the clinical laboratory of the future. Perspectives for the next decade. <i>Clinical Chemistry and Laboratory Medicine</i> 2023;61(4):567-9.
<p>Наставник</p>	<p>Референце</p>
<p>Др сц. Милица Миљковић, доцент</p>	<ol style="list-style-type: none"> 1. Miljkovic M, Stefanovic A, Simic-Ogrizovic S, Vekic J, Bogavac-Stanojevic N, Cerne D, Kocbek P, Marc J, Jelic-Ivanovic Z, Spasojevic-Kalimanovska V, Kotur-Stevuljevic J. Association of dyslipidemia, oxidative stress, and inflammation with redox status in VLDL, LDL, and HDL Lipoproteins in patients with renal disease. <i>Angiology</i>. 2018; 69 (10): 861-870. 2. Miljkovic M, Stefanovic A, Vekic J, Zeljkovic A, Gojkovic T, Simic-Ogrizovic S, Bogavac-Stanojevic N, Cerne D, Ilic J, Stefanovic I, Jelic-Ivanovic Z, Spasojevic-Kalimanovska V, Kotur-Stevuljevic J. Activity of paraoxonase 1 (PON1) on HDL2 and HDL3 subclasses in renal disease. <i>Clinical biochemistry</i>. 2018; 60: 52-58. 3. Kotur-Stevuljević J, Vekić J, Stefanović A, Zeljković A, Ninić A, Ivanišević J, Miljković M, Sopić M, Munjas J, Mihajlović M, Spasić S, Jelić-Ivanović Z, Spasojević- Kalimanovska V. Paraoxonase 1 and atherosclerosis-related diseases. <i>Biofactors</i>. 2020;46(2):193-205 4. Baralic K, Jorgovanovic I, Zivancevic K, Buha Djordjevic A, Antonijevic Miljakovic E, Miljkovic M, Kotur-Stevuljevic J, Antonijevic B, Djukic-Cosic D. Combining in vivo pathohistological and redox status analysis with in silico toxicogenomic study to explore the phthalates and bisphenol A mixture-induced testicular toxicity. <i>Chemosphere</i>. 2021; 267. 5. Stankovic M, Zeljkovic A, Vekic J, Antonic T, Ardalic D, Miljkovic-Trailovic M, Munjas J, Saric Matutinovic M, Gojkovic T, Jovicic S, Mikovic Z, Stefanovic A. Differences in HDL

	Remodeling during Healthy Pregnancy and Pregnancy with Cardiometabolic Complications. Antioxidants (Basel). 2024 Aug 3;13(8):948.
Наставник	Референце
Др сц. Неда Миљинковић, доцент	1. Milinković N, Sarić Matutinović M, Ružanović, A, Žarković M, Ćirić J, Perović Blagojević I, et al. Evaluation of the analytical and clinical characteristics of the Siemens IMMULITE®2000 TSI method for determining thyrotropin receptor antibodies. J Med Biochem 2025 Jun;44(3):438-46.
	2. Milinković N, Jovičić S. Measurement uncertainty. Advances in Clinical Chemistry. 2023 Sep;116:277-317.
	3. Milinković N, Jovičić S, Ignjatović S. Measurement uncertainty as a universal concept: can it be universally applicable in routine laboratory practice? Crit Rev Clin Lab Sci. 2021 Mar;58(2):101-12.
	4. Milinković N, Sarić M, Jovičić S, Mirković D, Ležaić V, Ignjatović S. Lipid status association with 25-hydroxy vitamin D: cross sectional study of end stage renal disease patients. J Med Biochem 2020 Sep;39(3):309-17.
	5. Milinković N, Sarić Matutinović M, Pejanović S, Ignjatović. Comparison between bone alkaline phosphatase immunoassay and electrophoresis technique in hemodialysis patients. J Med Biochem 2020 Jan;39(2):178-83.
Наставник	Референце
Др сц. Тамара Гојковић, доцент	1. Gojkovic T , Vladimirov S, Spasojevic-Kalimanovska V, Zeljkovic A, Vekic J, Arsenijevic J, Djuricic I, Sobajic S, Jelic-Ivanovic Z. Preanalytical and analytical challenges in gas chromatographic determination of cholesterol synthesis and absorption markers. Clin Chim Acta. 2018;478:74-81.
	2. Suvakov S, Kattah AG, Gojkovic T , Enninga EA, Pruett J, Jayachandran M, Sousa C, Santos J, Abou Hassan C, Gonzales-Suarez M, Garovic VD. Impact of aging and cellular senescence in the pathophysiology of preeclampsia. Compr Physiol. 2023;13:5077-114.
	3. Vladimirov S, Gojković T , Zeljković A, Jelić-Ivanović Z, Spasojević-Kalimanovska V. Determination of non-cholesterol sterols in serum and HDL fraction by LC/MS-MS: Significance of matrix-related interferences. J Med Biochem. 2020;39(3):299.
	4. Frankovic, I., Zeljkovic, A., Djuricic, I., Ninic, A., Vekic, J., Derikonjic, M., Erceg, S., Tomasevic, R., Mamic, M., Mitrovic, M. and Gojkovic, T. , 2025. Metabolic Dysfunction-Associated Steatotic Liver Disease Is Characterized by Enhanced Endogenous Cholesterol Synthesis and Impaired Synthesis/Absorption Balance. Int J Mol Sci, 26, p.7462.

	5. Gojkovic T , Vladimirov S, Spasojevic-Kalimanovska V, Zeljkovic A, Vekic J, Kalimanovska-Ostic D, Djuricic I, Sobajic S, Jelic-Ivanovic Z. Can non-cholesterol sterols and lipoprotein subclasses distribution predict different patterns of cholesterol metabolism and statin therapy response?. <i>Clini Chem Lab Med.</i> 2017;55:447-57.
Наставник	Референце
Др сц. Јелена Муњас, доцент	<p>1. Vladimirov S, Tomasevic M, Popov N, Munjas J, de Gonzalo-Calvo D, Sopic M. The converging roles of microRNAs and lipid metabolism in atherosclerotic cardiovascular disease and cancer. <i>Semin Cancer Biol.</i> 2025;114:41-59. doi:10.1016/j.semcancer.2025.06.005</p> <p>2. Sopić M, Vladimirov S, Munjas J, et al. Targeting noncoding RNAs to treat atherosclerosis. <i>Br J Pharmacol.</i> 2025;182(2):220-245. doi:10.1111/bph.16412</p> <p>3. Sopić M, Karaduzovic-Hadziabdic K, Kardassis D, Maegdefessel L, Martelli F, Meerson A, Munjas J, Niculescu LS, Stoll M, Magni P, Devaux Y; CardioRNA COST Action CA17129 and AtheroNET COST Action CA21153. Transcriptomic research in atherosclerosis: Unravelling plaque phenotype and overcoming methodological challenges. <i>J Mol Cell Cardiol Plus.</i> 2023;6:100048. doi:10.1016/j.jmccpl.2023.100048</p> <p>4. Petkovic A, Erceg S, Munjas J, et al. LncRNAs as Regulators of Atherosclerotic Plaque Stability. <i>Cells.</i> 2023;12(14):1832. doi:10.3390/cells12141832</p> <p>5. Munjas J, Sopić M, Stefanović A, et al. Non-Coding RNAs in Preeclampsia-Molecular Mechanisms and Diagnostic Potential. <i>Int J Mol Sci.</i> 2021;22(19):10652. doi:10.3390/ijms221910652</p>
Катедра за социјалну фармацију и фармацеутско законодавство	
Наставник	Референце
Др сц. Драгана Лакић, редовни професор	<p>1. Stević I, Janković SM, Georgiev AM, Marinković V, Lakić D. Factors associated with hematological adverse reactions of drugs authorized via the centralized procedure. <i>Sci Rep.</i> 2024; 14(1): 9074</p> <p>2. Tomić T, Henman M, Tadic I, Antic-Stankovic J, Santric-Milicevic M, Bukumiric Z, Lakić D, Odalovic M. Immediate and long-term effects of COVID-19 on antibiotic dispensing: increasing use of Watch antibiotics. <i>J Inf Dev Count</i> 2024; 18(4): 504-512</p> <p>3. Petrović N, Milosavljević M, Gojak R, Đešević M, Lakić D, Stević I, Janković S. Costs of treating type 2 diabetes mellitus and its complications. <i>Biotechnology & Biotechnological Equipment,</i> 2024; 38(1): 2399941</p>

	<p>4. Ilkic J, Milosevic Georgiev A, Lacic D, Marinkovic V. Exploring experiences of pharmacists and pharmacy students using mHealth apps: A qualitative study of user experience. <i>Int J Qualitative Studies in Health & Well-being</i> 2023; 18 (1): 2245606</p> <p>5. Milenković J, Lakić D, Bogavac Stanojević N. Analysis of the Professional Aspects of Medical Drugs Industry in the Republic of Serbia in Times of Covid-19 Pandemic. <i>Sustainability</i> 2023; 15 (11): 8584.</p>
Наставник	Референце
Др сц. Марина Одаловић, редовни професор	<p>1. Tomic T, Henman M, Tadic I, Antic Stankovic J, Santric Milicevic M, Maksimovic N, Odalovic M. Antimicrobial utilization and resistance in <i>Pseudomonas aeruginosa</i> using segmented regression analysis: a comparative study between Serbia and eight European Countries. <i>Int J Clin Ph</i> 2023; 45(4):989-998</p> <p>2. Odalović M, Gorman A, Paul A, McCallion P, Burke É, MacLachlan M, McCarron M, Henman MC, Moran M, O'Connell J, Walsh M, Shankar R, Ryan C, O'Dwyer M. Psychotropic medicines' prevalence, patterns and effects on cognitive and physical function in older adults with intellectual disability in Ireland: longitudinal cohort study, 2009-2020. <i>BJPsych Open</i>. 2024 Feb 1;10(2):e39. doi: 10.1192/bjo.2023.607. PMID: 38297892; PMCID: PMC10897684</p> <p>3. Turcu-Stiolica A, Kamusheva M, Bogdan M, Tadić I, Harasani K, Subtirelu MS; Meca AD, Šesto S, Odalovic M, Arsić J, Stojkov S, Terzieva E, Petrova G. Pharmacist's Perspectives on Administering a COVID-19 Vaccine in Community Pharmacies in Four Balkan Countries. <i>Front Public Health</i> 2021. 25(9):766146. doi: 10.3389/fpubh.2021.766146.</p> <p>4. Zimonjić I, Marinković V, Mira JJ, Knežević B, Djokic BB, Bogavac-Stanojević N, Odalović M. The second victim experience and support tool: a cross-cultural adaptation, validation and psychometric evaluation of the Serbian version for pharmacy professionals (SR-SVEST-R). <i>Int J Clin Pharm</i>. 2025 Feb 13. doi: 10.1007/s11096-025-01875-6. Epub ahead of print. PMID: 39945967.</p> <p>5. Vukmirović D, Krajnović D, Odalović M. Translation, adaptation and psychometric testing of the Digital Health Technology Literacy Assessment Questionnaire (DHTL-AQ) in the Serbian language. <i>Int J Clin Pharm</i>. 2024 Nov 26. doi: 10.1007/s11096-024-01837-4. Epub ahead of print. PMID: 39589629.</p>
Наставник	Референце
	<p>1. I Zimonjić, V Marinković, D Jocić, L Dražeta, M Odalović, Perceived importance of tailored education to prevent second victim phenomenon in clinical pharmacy practice: a focus group study with community pharmacists <i>International Journal of Clinical Pharmacy</i>, 2025, 1-13</p>

<p>Др сц. Валентина Маринковић, редовни професор</p>	<ol style="list-style-type: none"> 1. D Senćanski, I Tadić, D Jocić, V Marinković. Perceived importance of emotional intelligence for clinical pharmacy practice and suggested improvements: a focus group study of postgraduate pharmacists, <i>International Journal of Clinical Pharmacy</i> 2024, 46 (5), 1152-1162 2. J Ilkic, M Milovanovic, V Marinkovic, Prospective systematic risk analysis of the digital technology use within pharmaceutical care, <i>Journal of the American Pharmacists Association</i>, 2024, 64 (4), 102081 3. S Becirovic, B Vukovic, V Marinkovic, Tool for assessment of attitudes for applying a new approach in the decision-making process for reimbursement list in Bosnia and Herzegovina <i>Biotechnology & Biotechnological Equipment</i>, 202438 (1), 2349593 4. J Ilkic, A Milosevic Georgiev, D Lakic, V Marinkovic, Exploring experiences of pharmacists and pharmacy students using mHealth apps: A qualitative study of user experience, <i>International journal of qualitative studies on health and well-being</i>, 2023, 18 (1)
<p>Наставник</p>	<p>Референце</p>
<p>Др сц. Андријана Милошевић Георгиев, доцент</p>	<ol style="list-style-type: none"> 1. Kummer I, Mudrić J, Ćikarić T, Tasić LJ, Milošević Georgiev A, Marinković V. The Patients' Perception of the Quality of Community Pharmacy Services Using the Critical Incident. <i>Vojnosanitetski preglad (Online First December, 2020)</i>. 2022;79(6):605–12. 2. Vidović B, Đuričić B, Odalović M, Milošević Georgiev A, Tadić I. Dietary Supplements Use among Serbian Undergraduate Students of Different Academic Fields. <i>International Journal of Environmental Research and Public Health</i>. 2022; 19(17):11036. https://doi.org/10.3390/ijerph191711036 3. Ilkic J, Milosevic Georgiev A, Lakic D, Marinkovic V. Exploring experiences of pharmacists and pharmacy students using mHealth apps: A qualitative study of user experience. <i>Int J Qualitative Studies in Health & Well-being</i> 2023; 18 (1): 2245606 4. Stević I, Janković SM, Georgiev AM, Marinković V, Lakić D. Factors associated with hematological adverse reactions of drugs authorized via the centralized procedure. <i>Sci Rep</i>. 2024; 14(1): 9074 5. Sencanski D, Marinkovic V, Milosevic Georgiev A, Tadic I. Emotional Intelligence and Perceived Stress in Pharmacists Completing Post-Graduate Specialization Programs: A Cross-Sectional Study. <i>Indian journal of pharmaceutical education and research</i>. 2024;58(2):671-678.
<p>Наставник</p>	<p>Референце</p>

Др сц. Душанка Крајновић, редовни професор	1. Vujkovic B, Brkovic V, Pajičić A, Pavlovic V, Stanisavljevic D, Krajnović D , Jovic Vranes A; Serbian Version of the eHealth Literacy Questionnaire (eHLQ): Translation, Cultural Adaptation, and Validation Study Among Primary Health Care Users J Med Internet Res 2024;26:e57963
	2. Jovanović A, Drobac M, Vidović B, Pavlović D, Krajnović D , Tadić I. Herbal products versus antibiotics for urinary tract infections-analysis of patient attitudes. Journal of Herbal Medicine. 2024; 46, 100892. doi: 10.1016/j.hermed.2024.10089
	3. Atănăsoie A.-M., Ancuceanu R.V, Krajnovic D , Waszyk-Nowaczyk M, Skotnicki M, Tondowska D, Petrova G, Niculae A.M, Tăerel A.-E. Approved and Commercialized Antidiabetic Medicines (Excluding Insulin) in Seven European Countries - A Cross-Sectional Comparison. Pharmaceuticals 2024, 17, 793.
	4. Levic M, Bogavac-Stanojevic N, Ubavic S, Krajnovic D . Pharmacotherapy literacy level and predictors of low literacy among diabetes mellitus type 2 patients in Serbia. BMC Public Health. 2023;23(1):1822. https://bmcpublihealth.biomedcentral.com/articles/10.1186/s12889-023-16639-y
	5. Levic M, Bogavac-Stanojevic N, Krajnovic D . The Instruments Used to Assess Health Literacy and Pharmacotherapy Literacy of Diabetes Mellitus Type 2 Patients: A Scoping Review. Front Public Health. 2021;9:1424-1440. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8502961/

Катедра за тксикологију „Академик Данило Солдатовић“

Наставник	Референце
Др сц. Биљана Антонијевић, редовни професор	1. Radivojevic Ivana, Stojilkovic Nikola, Antonijevic-Miljakovic Evica Lj, Buha-Djordjevic Aleksandra, Baralic Katarina V, Curcic Marijana M, Maric Djurdjica, Djukic-Cosic Danijela, Bulat Zorica, Durgo Ksenija, Antonijevic Biljana. In silico attempt to reveal the link between cancer development and combined exposure to the maize herbicides: Glyphosate, nicosulfuron, S-metolachlor and terbuthylazine. Science of the Total Environment 2024; 9491: 75187
	2. Biljana Radović, Katarina Baralić, Marijana Ćurčić, Đurđica Marić, Jovana Živanović, Evica Antonijević Miljaković, Aleksandra Buha Djordjevic, Danijela Đukić Ćosić, Zorica Bulat, Biljana Antonijević. Endocrine disruptors in e-waste dismantling dust: In silico prediction of mixture-induced reproductive toxicity mechanisms. Science of the Total Environment 2024; 917: 170437.
	3. Djordjevic Buha A, Milovanovic V, Curcic M, Miljakovic EA, Bulat Z, Djukic-Cosic D, Jankovic S, Vučinić S, Hayes AW, Antonijevic B. New insight into the perplexing toxic features of PCBs: A study of nephrotoxicity in an animal model. Environmental Research. 2023 Jan 15;217:114829.

	<p>4. Stojilković N, Radović B, Vukelić D, Curčić M, Miljaković EA, Đorđević AB, Baralić K, Marić Đ, Bulat Z, Đukić-Ćosić D, Antonijević B. Involvement of toxic metals and PCBs mixture in the thyroid and male reproductive toxicity: In silico toxicogenomic data mining. <i>Environmental Research</i>. 2023 Oct 4;117274.</p> <p>5. Javorac D, Antonijević B, Anđelković M, Repić A, Bulat P, Buha Djordjević A, Baralić K, Đukić-Ćosić D, Antonić T, Bulat Z. Oxidative stress, metallomics and blood toxicity after subacute low-level lead exposure in Wistar rats: Benchmark dose analyses. <i>Environ Poll</i> 2021;291. doi: 10.1016/j.envpol.2021.118103</p>
Наставник	Референце
Др сц. Зорица Булат, редовни професор	<p>1. Anđelković M, Djordjevic AB, Miljaković EA, Javorac D, Čolaković N, Oprić S, Petričević S, Granić M, Kotur-Stevuljević J, Antonijević B, Bulat Z. Cadmium tissue level in women diagnosed with breast cancer - A case control study. <i>Environ Res</i>. 2021 Aug;199:111300. doi: 10.1016/j.envres.2021.111300.</p> <p>2. Javorac D, Antonijević B, Anđelković M, Repić A, Bulat P, Buha Djordjević A, Baralić K, Đukić-Ćosić D, Antonić T, Bulat Z. Oxidative stress, metallomics and blood toxicity after subacute low-level lead exposure in Wistar rats: Benchmark dose analyses. <i>Environ Poll</i> 2021;291. doi: 10.1016/j.envpol.2021.118103</p> <p>3. Javorac D, Tatović S, Anđelković M, Repić A, Baralić K, Djordjevic AB, Mihajlović M, Stevuljević JK, Đukić-Ćosić D, Čurčić M, Antonijević B, Bulat Z. Low-lead doses induce oxidative damage in cardiac tissue: Subacute toxicity study in Wistar rats and Benchmark dose modelling. <i>Food Chem Toxicol</i>. 2022 Jan 16;161:112825. doi: 10.1016/j.fct.2022.112825. PMID: 35045334</p> <p>4. Pizent A, Anđelković M, Tariba Lovaković B, Živković Semren T, Buha Djordjevic A, Gamulin M, Bonderović V, Aćimović M, Bulat Z. Environmental Exposure to Metals, Parameters of Oxidative Stress in Blood and Prostate Cancer: Results from Two Cohorts. <i>Antioxidants (Basel)</i>. 2022 Oct 18;11(10):2044. doi: 10.3390/antiox11102044.</p> <p>5. Vukelić D, Djordjevic AB, Anđelković M, Baralić K, Čurčić M, Đukić-Ćosić D, Antonijević B, Bulat Z. In vivo and in silico approach in revealing the influence of lead (Pb) on thyroid gland function. <i>Environ Res</i>. 2023 Nov 15;237(Pt 2):117035. doi: 10.1016/j.envres.2023.117035.</p>
Наставник	Референце
Др сц. Мирјана Ђукић, редовни професор	<p>1. Jovanović V, Marjanović S, Perić A, Jovanović D, Radojčić Z, Đukić M, Vojvodić D. Cytokine Changes in the Nasal Fluid after Acute Acoustic Trauma. <i>Journal of Medical Biochemistry</i>. 2025 Jan 8. DOI:https://doi.org/10.5937/jomb0-54742</p>

	<ol style="list-style-type: none"> 2. Pesić, D., Djukic, M., Stanojevic, I., Živkovic, V., Bolevich, S., Bolevich, S. and Jakovljevic, V. Cardiorespiratory fitness mediates cortisol and lactate responses to winter and summer marches. <i>J Med Biochem</i> 42: 1–14, 2023. 3. Kostic E, Djukic M, Antovic A, Zdravkovic M, Milic M, Stojanovic I, Todorovic S, Vujovic M. Categorization of Marijuana Suspected Policies' Seizures in Southeast Serbia according to Cannabinoids Content. <i>Separations</i>. 2023 May 12;10(5):307. 4. Kanjevac T, Taso E, Stefanovic V, Petkovic-Curcin A, Supic G, Markovic D, Djukic M, Vojvodic D, Sculean A, Rakic M. Estimating the effects of dental caries and its restorative treatment on periodontal inflammatory and oxidative status: A short controlled longitudinal study. <i>Frontiers in Immunology</i>.:3587. https://doi.org/10.3389/fimmu.2021.716359 5. Stevanovic, Ivana, Milica Ninkovic, Bojana Mancic, Marija Milivojevic, Ivana Stojanovic, Tihomir Ilic, Maja Vujovic, and Mirjana Djukic. "Compensatory Neuroprotective Response of Thioredoxin Reductase against Oxidative-Nitrosative Stress Induced by Experimental Autoimmune Encephalomyelitis in Rats: Modulation by Theta Burst Stimulation. <i>Molecules</i>. 2020; 25 (17): 3922.
Наставник	Референце
Др сц. Данијела Ђукић-Ћосић, редовни професор	<ol style="list-style-type: none"> 1. Đukić-Ćosić D, Baralić K, Javorac D, Bulat Z, Ćurčić M, Antonijeвић B, Đorđević V, Repić A, Buha Djordjevic A. Exploring the relationship between blood toxic metal(oid)s and serum insulin levels through benchmark modelling of human data: Possible role of arsenic as a metabolic disruptor. <i>Environ Res</i>. 2022 Dec;215(Pt 2):114283. doi: 10.1016/j.envres.2022.114283. Epub 2022 Sep 9. PMID: 36088992. 2. Baralić K, Pavić A, Javorac D, Živančević K, Božić D, Radaković N, Miljaković EA, Djordjevic AB, Ćurčić M, Bulat Z, Antonijeвић B, Đukić-Ćosić D. Comprehensive investigation of hepatotoxicity of the mixture containing phthalates and bisphenol A. <i>Journal of Hazardous Materials</i>. 2023 Mar 5;445:130404. 3. Živančević K, Baralić K, Vukelić D, Marić Đ, Kotur-Stevuljević J, Ivanišević J, Savić M, Batinić B, Janković R, Djordjevic AB, Miljaković EA, Bulat Z, Antonijeвић B, Đukić-Ćosić D. Neurotoxic effects of low dose ranges of environmental metal mixture in a rat model: The benchmark approach. <i>Environmental Research</i>. 2024 Jul 1;252:118680. 4. Baralić K, Živančević K, Marić Đ, Božić D, Djordjevic AB, Miljaković EA, Ćurčić M, Bulat Z, Antonijeвић B, Đukić-Ćosić D. Testing sulforaphane as a strategy against toxic chemicals of public health concern by toxicogenomic data analysis: Friend or foe at the gene level – Colorectal carcinoma case study. <i>Environmental Research</i>. 2023 Jun 15;227:115818.

	5. Bozic D, Živančević K, Baralić K, Miljaković EA, Djordjević AB, Ćurčić M, Bulat Z, Antonijević B, Đukić-Ćosić D. Conducting bioinformatics analysis to predict sulforaphane-triggered adverse outcome pathways in healthy human cells. <i>Biomed Pharmacother.</i> 2023 Apr;160:114316. doi: 10.1016/j.biopha.2023.114316. Epub 2023 Feb 1. PMID: 36731342.
Наставник	Референце
Др сц. Маријана Турчић, ванредни професор	1. Radović B, Baralić K, Ćurčić M, Marić Đ, Živanović J, Miljaković EA, Djordjevic AB, Ćosić DĐ, Bulat Z, Antonijević B. Endocrine disruptors in e-waste dismantling dust: In silico prediction of mixture-induced reproductive toxicity mechanisms. <i>Science of The Total Environment.</i> 2024 Mar 20;917:170437.
	2. Radivojević I, Stojilković N, Antonijević-Miljaković E, Đorđević AB, Baralić K, Ćurčić M, Marić Đ, Đukić-Ćosić D, Bulat Z, Durgo K, Antonijević B. In silico attempt to reveal the link between cancer development and combined exposure to the maize herbicides: Glyphosate, nicosulfuron, S-metolachlor and terbuthylazine. <i>Science of The Total Environment.</i> 2024 Nov 1;949:175187.
	3. Baralić K, Živanović J, Marić Đ, Bozic D, Grahovac L, Antonijević Miljaković E, Ćurčić M, Buha Djordjevic A, Bulat Z, Antonijević B, Đukić-Ćosić D. Sulforaphane—A compound with potential health benefits for disease prevention and treatment: insights from pharmacological and toxicological experimental studies. <i>Antioxidants.</i> 2024 Jan 25;13(2):147.
	4. Živančević K, Baralić K, Jorgovanović D, Djordjević AB, Ćurčić M, Miljaković EA, Antonijević B, Bulat Z, Đukić-Ćosić D. Elucidating the influence of environmentally relevant toxic metal mixture on molecular mechanisms involved in the development of neurodegenerative diseases: In silico toxicogenomic data-mining. <i>Environmental Research.</i> 2021 Mar 1;194:110727.
	5. Ćurčić M, Buha A, Stanković S, Milovanović V, Bulat Z, Đukić-Ćosić D, Antonijević E, Vučinić S, Matović V, Antonijević B. Interactions between cadmium and decabrominated diphenyl ether on blood cells count in rats—Multiple factorial regression analysis. <i>Toxicology.</i> 2017 Feb 1;376:120-5.
Наставник	Референце
Др сц. Александра Буха Ђорђевић, ванредни професор	1. Marić Đ, Baralić K, Vukelić D, Nikolić A, Ničković E, Đukić-Ćosić D, Bulat Z, Antonijević B, Buha Djordjevic A. Real-life metal mixtures: the impact on male reproductive health in Wistar rats. <i>Environmental Research.</i> 2025 Nov;285:122590.
	2. Marić Dj, Baralić K, Javorac D, Mandić-Rajčević S, Zarković M, Antonijević B, Djukić-Cosić D, Bulat Z, Buha Djordjevic A. Nickel as a potential disruptor of thyroid function: benchmark modelling of human data. <i>Frontiers in Endocrinology.</i> 2023 Sep;14:1145153.

	<p>3. Baralić K, Marić Đ, Vukelić D, Antonijević Miljaković E, Anđelković M, Antonijević B, Đukić-Ćosić D, Bulat Z, Buha Djordjevic A. Effects of the real-life metal(oid)s mixture on female reproductive function: Less is different. <i>Science of The Total Environment</i>. 2023 Oct;895:165181.</p> <p>4. Đukić-Ćosić D, Baralić K, Javorac D, Bulat Z, Ćurčić M, Antonijević B, Đorđević V, Repić A, Buha Djordjevic A. Exploring the relationship between blood toxic metal(oid)s and serum insulin levels through benchmark modelling of human data: Possible role of arsenic as a metabolic disruptor. <i>Environmental Research</i>. 2022 Dec;215:114283.</p> <p>5. Baralić K, Javorac D, Marić Đ, Đukić-Ćosić D, Bulat Z, Antonijević Miljaković E, Anđelković M, Antonijević B, Buha Djordjevic A. Benchmark dose approach in investigating the relationship between blood metal levels and reproductive hormones: Data set from human study. <i>Environment International</i>. 2022 Jul;165:107313.</p>
Наставник	Референце
Др сц. Евица Антонијевић Миљаковић, доцент	<p>1. Andrys R, Monnier C, Antonijević Miljaković, E, Mickova V, Musilek K, Zemanova L. Towards cost-effective drug discovery: Reusable immobilized enzymes for neurological disease research. <i>Talanta</i> 2024; 276:126263.</p> <p>2. Antonijević E, Musilek K, Kuca K, Djukic-Cosic D, Andjelkovic M, Buha Djordjevic A, Antonijević B. Comparison of oximes K203 and K027 based on benchmark dose analysis of rat diaphragmal acetylcholinesterase reactivation. <i>Chemico Biological Interactions</i> 2019; 308:385-91.</p> <p>3. Antonijević E, Musilek K, Kuca K, Djukic-Cosic D, Curcic M, Cupic Miladinovic D, Bulat Z, Antonijević B. Dose-response modeling of reactivating potency of oximes K027 and K203 against a direct acetylcholinesterase inhibitor in rat erythrocytes. <i>Food and Chemical Toxicology</i> 2018; 121: 224-30</p> <p>4. Antonijević E, Kotur-Stevuljevic J, Musilek K, Kosvancova A, Kuca K, Djukic-Cosic D, Spasojevic Kalimanovska V, Antonijević B. Effect of six oximes on acutely anticholinesterase inhibitor induced oxidative stress in rat plasma and brain. <i>Archives of Toxicology</i> 2018; 92(2):745-57.</p> <p>5. Antonijević E, Musilek K, Kuca K, Djukic-Cosic D, Vucinic, S, Antonijević B. Therapeutic and reactivating efficacy of oximes K027 and K203 against a direct acetylcholinesterase inhibitor. <i>NeuroToxicology</i> 2016; 55:33-9.</p>
Катедра за физиологију	
Наставник	Референце

<p>Др сц. Весна Пешић, редовни професор</p>	<ol style="list-style-type: none"> 1. Wagner C, Massy Z, Capasso G, Francesco MR, Pepin M, Bobot M, Carmine Z, Ferreira A, Hoorn E, Imenez-Silva P, Unwin R, Pešić V. Translational research on cognitive impairment in chronic kidney disease. <i>Nephrology Dialysis Transplantation</i>, 2024; Oct 14, doi: 10.1093/ndt/gfae229. 2. Imenez-Silva P, Pepin M, Figurek A, Gutierrez-Jimenez E, Bobot M, Iervolino A, Mattace-Raso F, Hoorn E, Henaut L, Nielsen R, Frische S, Trepiccione F, Hafez G, Altunkaynak H, Endlich N, Unwin R, Capasso G, Pešić V*, Massy Z*, Wagner C *. Animal models to study cognitive impairment of chronic kidney disease. <i>American Journal of Physiology Renal Physiology</i> 2024; 326, 894-916. doi: 10.1152/ajprenal.00338.2023. 3. Liabeuf S, Pešić V, Spasovski G, Mačiulaitis R, Bobot M, Farinha A, Wagner C, Unwin R, Capasso G, Bumblyte IA, Hafez G: Drugs with a negative impact on cognitive function: chronic kidney disease as a risk factor. <i>Clinical Kidney Journal</i>, 2023;16(12):2365-2377. doi: 10.1093/ckj/sfad241. 4. Liabeuf S, Pepin M, Franssen C, Viggiano DC, Sol C, Gansevoort R, Gesualdo L, Hafez G, Malyszko J, Mayer Christopher, Nitsch D, Ortiz A, Pešić V, Wiecek A, Massy Z. Chronic kidney disease and neurological disorders: are uremic toxins the missing piece of the puzzle? <i>Nephrology Dialysis Transplantation</i>, 2022; 37(2), 33-44. doi: 10.1093/ndt/gfab223. 5. Milosavljevic F, Bukvic N, Pavlovic Z, Miljevic C, Pešić V, Molden E, Ingelman-Sundberg M, Leucht S, Jukic MM. Association of CYP2C19 and CYP2D6 Poor and Intermediate Metabolizer Status With Antidepressant and Antipsychotic Exposure: A Systematic Review and Meta-analysis. <i>JAMA Psychiatry</i>. 2021; 78(3):270-280. doi: 10.1001/jamapsychiatry.3643.
<p>Наставник</p>	<p>Референце</p>
<p>Др сц. Душанка Станић, доцент</p>	<ol style="list-style-type: none"> 1. Ivanović A, Petrović J, Stanić D, Nedeljković J, Ilić M, Jukić MM, Pejušković B, Pešić V. Single subanesthetic dose of ketamine exerts antioxidant and antidepressive-like effect in ACTH-induced preclinical model of depression. <i>Molec. And Cell Neurosci</i>. 2025; 133: 104006. doi:10.1016/j.mcn.2025 2. Dangoor I, Stanić D, Reshef I, Pešić V, Gophina U. Specific changes in the mammalian gut microbiome as a biomarker for oxytocin-induced behavioral changes. <i>Microorganisms</i> 2021; 9(9): 1938. doi: 10.3390/microorganisms9091938. 3. Stanić D, Oved k, Israel-Elgali I; Jukić M, Batinić B, Puškaš N, Shomron N, Gurwitz D, Pešić V. Synergy of oxytocin and citalopram in modulating Itgb3/Ch11 interplay: relevance to sensitivity to SSRI therapy. <i>Psychoneuroendocrin</i>. 2021; 129: 105234 doi: 10.1016/j.psyneuen.2021.105234. 4. Petrović J, Stanić D, Bulat Z, Puškaš N, Labudović-Borović M, Batinić B, Mirković D, Ignjatović S, Pešić V. Acth-induced model of depression resistant to tricyclic antidepressants:

	Neuroendocrine and behavioral changes and influence of long-term magnesium administration. <i>Horm Behav.</i> 2018; 105: 1-10. doi: 10.1016/j.yhbeh.2018.07.003.
	5. Stanić D, Plećaš-Solarović B, Petrović J, Bogavac-Stanojević N, Sopić M, Kotur-Stevuljević J, Ignjatović S, Pešić V. Hydrogen peroxide-induced oxidative damage in peripheral blood lymphocytes from rats chronically treated with corticosterone: The protective effect of oxytocin treatment. <i>Chem Biol Interact.</i> 2016; 256:134-41. doi: 10.1016/j.cbi.2016.07.006.
Наставник	Референце
Др сц. Јелена Петровић, доцент	1. Ivanović A, Petrović J, Stanić D, Nedeljković J, Ilić M, Jukić MM, Pejušković B, Pešić V. Single subanesthetic dose of ketamine exerts antioxidant and antidepressive-like effect in ACTH-induced preclinical model of depression. <i>Molec. And Cell Neurosci.</i> 2025; 133: 104006. doi:10.1016/j.mcn.2025
	2. Petrović J, Labudović-Borović M, Vorrink SU, Lauschke VM, Pejušković B, Pešić V. Magnesium enhances cardiomyocyte proliferation and suppresses cardiac fibrosis induced by chronic ACTH exposure in rats. <i>Magnes Res.</i> 2021; 34(2): 74-83. doi: 10.1684/mrh.2021.0484.
	3. Petrović J, Pešić V, Lauschke VM. Frequencies of clinically important CYP2C19 and CYP2D6 alleles are graded across Europe. <i>Eur J Hum Genet.</i> 2020; 28(1):88-94. doi: 10.1038/s41431-019-0480-8.
	4. Petrović J, Stanić D, Bulat Z, Puškaš N, Labudović-Borović M, Batinić B, Mirković D, Ignjatović S, Pešić V. Acth-induced model of depression resistant to tricyclic antidepressants: Neuroendocrine and behavioral changes and influence of long-term magnesium administration. <i>Horm Behav.</i> 2018; 105: 1-10. doi: 10.1016/j.yhbeh.2018.07.003.
	5. Stanić D, Plećaš-Solarović B, Petrović J, Bogavac-Stanojević N, Sopić M, Kotur-Stevuljević J, Ignjatović S, Pešić V. Hydrogen peroxide-induced oxidative damage in peripheral blood lymphocytes from rats chronically treated with corticosterone: The protective effect of oxytocin treatment. <i>Chem Biol Interact.</i> 2016; 256:134-41. doi: 10.1016/j.cbi.2016.07.006.
Катедра за патобиологију	
Наставник	Референце
Др сц. Јасмина Ђуретић, доцент	1. Radosavljevic T, Brankovic M, Djuretić J, Grujic-Milanovic J, Kovacic M, Jevtic J, Stankovic S, Samardzic J, Vucevic D, Jakovljevic V. Alpinetin exhibits antioxidant and anti-inflammatory effects in C57BL/6 mice with alcoholic liver disease induced by the Lieber–DeCarli ethanol liquid diet. <i>Int J Mol Sci.</i> 2025;26(1):86. doi:10.3390/ijms26010086

	<p>2. Bufan B, Ćuruvija I, Blagojević V, Grujić-Milanović J, Prijić I, Radosavljević T, Samardžić J, Radosavljević M, Janković R, Djuretić J. NMDA receptor antagonist memantine ameliorates experimental autoimmune encephalomyelitis in aged rats. <i>Biomedicines</i>. 2024;12(4):717. doi:10.3390/biomedicines12040717. PMID: 38672073</p> <p>3. Radosavljević T, Branković M, Samardžić J, Djuretić J, Vukicević D, Vučević D, Jakovljević V. Altered mitochondrial function in MASLD: key features and promising therapeutic approaches. <i>Antioxidants (Basel)</i>. 2024;13(8):906. doi:10.3390/antiox13080906. PMID: 39199152; PMCID: PMC11351122</p> <p>4. Bufan B, Marčetić M, Djuretić J, Ćuruvija I, Blagojević V, Božić DD, Milutinović V, Janković R, Sopta J, Kotur-Stevuljević J, Arsenović-Ranin N. Evaluation of the anti-inflammatory/immunomodulatory effect of <i>Teucrium montanum</i> L. extract in collagen-induced arthritis in rats. <i>Biology (Basel)</i>. 2024;13(10):818. doi:10.3390/biology13100818</p> <p>5. Djuretić J, Dimitrijević M, Stojanović M, Stevuljević JK, Hamblin MR, Micov A, Stepanović-Petrović R, Leposavić G. Infrared radiation from cage bedding moderates rat inflammatory and autoimmune responses in collagen-induced arthritis. <i>Sci Rep</i>. 2021;11(1):2882. doi:10.1038/s41598-021-81999-7</p>
Наставник	Референце
Др сц. Лада Живковић, редовни професор	<p>1. Spremo-Potparević B, Popović P, Topalović D, Pirković A, Perry G, Zivković L. Assessment of X Chromosome Centromere Instability in Alzheimer's Disease: A Quantitative FISH Approach. <i>CURRENT ISSUES IN MOLECULAR BIOLOGY</i>, (2025)</p> <p>2. Zivković L, Pirković A, Topalović D, Borozan S, Bajić V, Dimitrijević-Srecković V, Djelić N, Petrović H, Milić M, Spremo-Potparević B. Dihydroquercetin and biochaga reduce H₂O₂-induced DNA damage in peripheral blood mononuclear cells of obese women in vitro-a pilot study <i>MUTAGENESIS</i>, (2024)</p> <p>3. Nemoda M, Veljković F, Nikolić B, Brkić S, Marković D, Momčilović M, Lal M, Zivković L, Marinković J. Geraniol in vitro and geraniol-based emulsion ex vivo potential against four-species <i>Streptococcus</i> spp. Biofilm relevant for dentistry. <i>INDUSTRIAL CROPS AND PRODUCTS</i>, (2024)</p> <p>4. Zivković L, Bajić V, Cabarkapa-Pirković A, Dekanski D, Forbes-Hernandez T, Zlatković-Svenda M, Perry G, Spremo-Potparević B, Strawberry (<i>Fragaria ananassa</i> Duch.) Alba extract attenuates DNA damage in lymphocytes of patients with Alzheimer's disease. <i>JOURNAL OF FOOD BIOCHEMISTRY</i>, (2021)</p>

	5. Sjakste N, Djelic N, Dzintare M, Zivkovic L . DNA-binding and DNA-protecting activities of small natural organic molecules and food extracts (Review). <i>CHEMICO-BIOLOGICAL INTERACTIONS</i> , (2020)
Наставник	Референце
Др сц. Дијана Топаловић, доцент	1. Nikšić V, Pirković A, Spremo-Potparević B, Živković L, Topalović D , Nedeljković JM, Lazić V. Bioactivity Assessment of Functionalized TiO ₂ Powder with Dihydroquercetin. <i>International Journal of Molecular Sciences</i> .2025;26(4):1475.
	2. Topalović D , Živković L, Borozan S, Santibanez J, Spremo-Potparević B. An in vitro evaluation of the cytotoxic potential of medicinal mushrooms against human breast cancer cell lines. <i>Arh Hig Rada Toksikol</i> .2024;75(4):297-302.
	3. Popović P, Pirković A, Topalović D , Živković L, Marković M, Spremo-Potparević B. Cytotoxic, Antioxidant, and Anti-genotoxic Properties of Combretastatin A4 in Human Peripheral Blood Mononuclear Cells: A Comprehensive In Vitro Study. <i>Biomolecules</i> .2024;14(12):1535.
	4. Čabarkapa-Pirković A, Živković L, Dekanski D, Topalović D , Spremo-Potparević B. Olive leaf, DNA damage and chelation therapy, in (Eds): Preedy, V.R., Watson R.R., Olives and Olive Oil in Health and Disease Prevention (Second Edition), ISBN 9780128195284, Academic Press, 2021, Pages 457-469.
	5. Topalović D , Dekanski D, Spremo-Potparević B, Pirković A, Borozan S, Bajić V, Stojanović D, Giampieri F, Gasparrini M, Živković L. Dry olive leaf extract attenuates DNA damage induced by estradiol and diethylstilbestrol in human peripheral blood cells in vitro. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> .2019; 845:402993
Наставник	Референце
Др сц. Биљана Потпаревић, редовни професор	1. Spremo-Potparević, B. ; Popović, P.; Topalović, D.; Pirković, A.; Perry, G.; Živković, L. Assessment of X Chromosome Centromere Instability in Alzheimer’s Disease: A Quantitative FISH Approach. <i>Curr. Issues Mol. Biol.</i> 2025, 47, 420. https://doi.org/10.3390/cimb47060420
	2. Bruić M, Pirković A, Vilotić A, Jovanović-Krivokuća M, Spremo-Potparević B . Cytoprotective and genoprotective effects of taxifolin against oxidative damage in HTR-8/SVneo human trophoblast cells. <i>Mutagenesis</i> . 2023 Feb 3;38(1):64-70. doi: 10.1093/mutage/geac013. PMID: 36082793.

	<p>3. Bajic VP, Salhi A, Lakota K, Radovanovic A, Razali R, Zivkovic L, Spremo-Potporevic B, Uludag M, Tifratene F, Motwalli O, Marchand B, Bajic VB, Gojobori T, Isenovic ER, Essack M. DES-Amyloidoses "Amyloidoses through the looking-glass": A knowledgebase developed for exploring and linking information related to human amyloid-related diseases. <i>PLoS One</i>. 2022 Jul 25;17(7):e0271737. doi: 10.1371/journal.pone.0271737. PMID: 35877764; PMCID: PMC9312389.</p>
	<p>4. Pirković A, Lazić V, Spremo-Potporević B, Živković L, Topalović D, Kuzman S, Antić-Stanković J, Božić D, Jovanović Krivokuća M, Nedeljković JM. Comparative analysis of Ag NPs functionalized with olive leaf extract and oleuropein and toxicity in human trophoblast cells and peripheral blood lymphocytes. <i>Mutagenesis</i>. 2023 Jun 20;38(3):169-181. doi: 10.1093/mutage/gead013. PMID: 37228020.</p>
	<p>5. Bruić M, Pirković A, Borozan S, Nacka Aleksić M, Jovanović Krivokuća M, Spremo-Potporević B. Antioxidative and anti-inflammatory effects of taxifolin in H₂O₂-induced oxidative stress in HTR-8/SVneo trophoblast cell line. <i>Reprod Toxicol</i>. 2024 Jun;126:108585. doi: 10.1016/j.reprotox.2024.108585. Epub 2024 Apr 2. PMID: 38574953.</p>

Катедра за општу и неорганску хемију

Наставник	Референце
<p>Др сц. Слађана Танасковић, редовни професор</p>	<p>1. Antonijević Nikolić M, Antić Stanković J, Tanasković. Synthesis, characterization, and in vitro antiproliferative and antibacterial studies of tetraazamacrocyclic complexes of Co(II) and Cu(II) with pyromellitic acid. <i>J Coord Chem</i>. 2018;71(10): 1542-1559</p>
	<p>2. Antonijević Nikolić M, Mészáros Szécsényi K, Dražić B, Rodić M, Stanić V, Tanasković S. Binuclear Co(II) complexes with macrocycle and carboxylate ligands: structure, cytotoxicity and thermal behavior. <i>J. Mol. Struct</i>. 2021; 1236: 130133</p>
	<p>3. Antonijević Nikolić M, Dražić B, Cristóvão B, Bartyzel A, Mirosław B, Tanasković S. New azamacrocyclic binuclear Cu(II) aminocarboxylate complexes: structural, magnetic, spectral and antiproliferative studies. <i>J Mol Struct</i>. 2022; 1252: 131969</p>
	<p>4. Stanić V, Omerašević M, Mutavdžić D, Marinović-Cincović M, Milović M, Tanasković S. Synthesis and structural properties of europium-doped fluorapatite nanoparticles as a promising luminescent biomaterial, <i>Sci Sinter</i> DOI: 10.2298/SOS240715042S</p>
	<p>5. Gavrilović Lj, Stojiljković V, Stanić V, Jasnić N, Pejić S, Pantelić M, Pajović S, Tanasković S. Changes of peripheral serotonin in the psychosocially stressed rats treated with linden honey, <i>Nat Prod Res</i>. 2024; 1-7</p>

Наставник	Референце
Др сц. Бранка Дражић, ванредни професор	1. Antonijević Nikolić M., Dražić B., Cristóvão B., Bartyzel A., Mirosław B., Tanasković S., New azamacrocyclic binuclear Cu(II) aminocarboxylate complexes: structural, magnetic, spectral and antiproliferative studies, <i>J Mol Struct.</i> 2022; 1252: 131969.
	2. Popović K., Antonijević Nikolić M., Dražić B., Jovanović D., Tanasković S., Assessment of the quality of herbal teas from Šabac, Serbia, based on the content of heavy metals. <i>Pharm Chem J.</i> 2022; 56 (6): 827-837.
	3. Antonijević Nikolić M., Mészáros Szécsényi K., Dražić B., Rodić M.V., Stanić V., Tanasković S.. Binuclear Co(II) complexes with macrocycle and carboxylato ligands: structure, cytotoxicity and thermal behavior. <i>J Mol Struct.</i> 2021; 1236: 130133.
	4. Dražić B., Antonijević Nikolić M., Žižak Ž., Tanasković S., Synthesis and characterization of copper (II) octaazamacrocyclic complexes with glycine derivatives. In vitro antiproliferative and antimicrobial evaluation of Cu(II) and Co(II) analogous, <i>J Serb Chem Soc.</i> 2020; 85: 637-649.
	5. Antonijević-Nikolić M., Antić-Stanković J., Dražić B., Tanasković S., New macrocyclic Cu(II) complex with bridge terephthalate: synthesis, spectral properties, in vitro cytotoxic and antimicrobial activity. Comparison with related complexes. <i>J Mol Struct.</i> 2019; 1184: 41-48.

Катедра за органску хемију

Наставник	Референце
Др сц. Владимир Савић, редовни професор	1. Jovanovic P, Jovanovic M, Petkovic M, Simic M, Tasic G, Rodic M, Rakic S, Vlahovic F, Savic V. <i>Adv Synth Catal.</i> 2024;366:3564–71. doi: 10.1002/adsc.202400253.
	2. Koravovic M, Mayasundari A, Tasic G, Keramatnia F, Stachowski TR, Cui H, Chai SC, Jonchere B, Yang L, Li Y, Fu X, Hiltenbrand R, Paul L, Mishra V, Klco JM, Roussel MF, Pomerantz WCK, Fischer M, Rankovic Z, Savic V. <i>Eur J Med Chem.</i> 2023;251:115246. doi:10.1016/j.ejmech.2023.115246.
	3. Jovanovic M, Jovanovic P, Tasic G, Simic M, Maslak V, Rakic S, Rodic M, Vlahovic F, Petkovic M, Savic V. <i>Adv Synth Catal.</i> 2023;365:2516–23. doi: 10.1002/adsc.202300301.
	4. Petkovic M, Jovanovic M, Jovanovic P, Simic M, Tasic G, Savic V. <i>Synthesis.</i> 2022;54(12):2839–48. doi: 10.1055/a-1758-6312.

	5. Jovanovic M, Simic M, Petkovic M, Tasic G, Maslak V, Jovanovic P, Savic V. <i>J Heterocyclic Chem.</i> 2022;59:1435–40. doi: 10.1002/jhet.4472.
Наставник	Референце
Др сц. Милена Симић, редовни професор	1. Dimkovski A, Dobričić V, Simić M, Jurhar Pavlova M, Mihajloska E, Sterjev Z, Poceva Panovska A. <i>Molecules</i> 2025; 30:2121 doi:10.3390/molecules30102121
	2. Jovanović P, Jovanović M, Petković M, Simić M, Tasić G, Rodić M, Rakić S, Vlahović F, Savić V. <i>Adv Synth Catal.</i> 2024;366(17):3564–3571. doi:10.1002/adsc.202400253
	3. Simić M, Petković M, Jovanović P, Jovanović M, Tasić G, Besu I, Žižak Ž, Aleksić I, Nikodinović-Runić J, Savić V. <i>Arch Pharm.</i> 2021;354(11):2100238. doi:10.1002/ardp.202100238
	4. Simić M, Tasić G, Jovanović P, Petković M, Savić V. <i>Org Biomol Chem.</i> 2018;16(12):2125–2133. doi:10.1039/C8OB00260F
	5. Simic, M., Paunovic, N., Boric, I., Randjelovic, J., Vojnovic, S., Nikodinovic-Runic, J., Pekmezovic, M., & Savic, V. (2016). <i>Bioorganic & Medicinal Chemistry Letters</i> , 26(1), 235–239. https://doi.org/10.1016/j.bmcl.2015.08.086
Наставник	Референце
Др сц. Милош Петковић, ванредни професор	1. Petkovic M, Nasufovic V, Đukanović D, Vujosevic ZT, Jadranin M, Matović R, Savić V. <i>Eur J Org Chem.</i> 2016;2016(7):1279-1282. doi:10.1002/ejoc.201600067.
	2. Petković M, Jovanović M, Jovanović P, Simić M, Tasić G, Savić V. <i>Synthesis.</i> 2022;54(12):2839-2848. doi:10.1055/a-1758-6312.
	3. Petković M, Kušljević D, Jovanović M, Jovanović P, Tasić G, Simić M, Savić V. <i>Synthesis.</i> 2023. doi:10.1055/a-2201-9951.
	4. Beljkas M, Ružić D, Djurić A, Vuletić A, Nchugoua Tchiche G, Jallet C, Cadet-Daniel V, Arimondo PB, Santibanez JF, Srdić-Rajić T, Nikolić K, Oljačić S, Petković M. <i>Future Med Chem.</i> 2025;17(4):393-407. doi:10.1080/17568919.2025.2459589.
	5. Ružić D, Ellinger B, Đoković N, Santibanez J, Gul S, Beljkaš M, Đurić A, Ganesan A, Pavić A, Srdić-Rajić T, Petković M, Nikolić K. <i>Pharmaceutics.</i> 2022;14(12):2600. doi:10.3390/pharmaceutics14122600.
Наставник	Референце
Др сц. Гордана Тасић, ванредни професор	1. Tasić G, Mitrović N, Simić M, Koravović M, Jovanović M, Petković M, Jovanović M, Ivković B, Savić V, <i>J Heterocycl Chem.</i> 2024; 61(5):753-60. doi: 10.1002/jhet4802.
	2. Koravović M, Mayasundari A, Tasić G, Keramatnia F, Stachowski TR, Cui H, Chai SC, Jonchere B, Yang L, Li Y, Fu X, Hiltenbrand R, Paul L, Mishra V, Klco JM, Roussel MF, Pomerantz WCK,

	Fischer M, Ranković Z, Savić V. <i>Eur J Med Chem.</i> 2023;251:115246. doi: 10.1016/j.ejmech.2023.115246.
	3. Jovanović P, Petković M, Simić M, Jovanović M, Tasić G, Crnogorac MD, Žižak Ž, Savić V, <i>Eur J Org Chem.</i> 2019;2019(29):4701-9. doi: 10.1002/ejoc.201900672.
	4. Simić M, Tasić G, Jovanović P, Petković M, Savić V. <i>Org Biomol Chem.</i> 2018;16(12):2125-33. doi: 10.1039/C8OB00260F.
	5. Koravović M, Marković B, Kovačević M, Rmandić M, Tasić G. <i>J Serb Chem Soc.</i> 2022;87(7-8):785-811. doi: 10.2298/JSC211209027K.
Наставник	Референце
Др сц. Предраг Јовановић, ванредни професор	1. Jovanovic P, Jovanovic M, Petkovic M, Simic M, Tasic G, Rodic M, Rakic S, Vlahovic F, Savic V, <i>Adv Synth Catal.</i> 2024;366:1-9. doi.org/10.1002/adsc.202400253
	2. Jovanovic M, Jovanovic P, Tasic G, Simic M, Maslak V, Rakic S, Rodic M, Vlahovic F, Petkovic M, Savic V, <i>Adv Synth Catal.</i> 2023;365:2516-23. doi.org/10.1002/adsc.202300301
	3. Jovanovic M, Petkovic M, Jovanovic P, Simic M, Tasic G, Eric S, Savic V, <i>Eur J Org Chem.</i> 2020;2020(3):295-305. doi.org/10.1002/ejoc.201901554
	4. Jovanovic P, Petkovic M, Simic M, Jovanovic M, Tasic G, Crnogorac MD, Zizak Z, Savic V, <i>Eur J Org Chem.</i> 2019;2019:4701-9. doi: 10.1002/ejoc.201900672
	5. Jovanovic P, Petkovic M, Simic M, Ivkovic B, Savic V, <i>Org Biomol Chem.</i> 2016;14:6712. doi.org/10.1039/C6OB00387G

Листа наставника и научних сарадника запослених на Фармацеутском факултету Универзитета у Београду који испуњавају услов да буду ментори на програмима докторских академских студија.

15. 09.2025. године