Znanstveni radovi objavljeni u znanstvenim časopisima indeksiranim na platformi „Web of Science“ u sklopu projekta “Jačanje znanstveno-istraživačkih i inovacijskih kapaciteta Farmaceutsko-biokemijskog fakulteta Sveučilišta u Zagrebu (FarmInova)”, KK.01.1.1.02.0021

Rbr.	Ime i prezime prvog autora rada	Naslov	Naziv časopisa	Godina objave rada	DOI
1.	Mateja Toma	Ferrocenoyl-adenines: substituent effects on regioselective Acylation	Beilstein journal of organic chemistry	2022	10.3762/bjoc.18.133
2.	Nikolina Kalčec	Transformation of L-DOPA and Dopamine on the Surface of Gold Nanoparticles An NMR and Computational Study	Inorganic chemistry	2022	10.1021/acs.inorgchem.2c00996
3.	Azra Kugić	Extra Virgin Olive Oil Secoiridoids Modulate the Metabolic Activity of Dacarbazine Pre-Treated and Treatment-Naïve Melanoma Cells	Molecules	2022	doi.org/10.3390/molecules27103310
4.	Laura Nižić Nodilo	A Dry Powder Platform for Nose-To-Brain Delivery of Dexamethasone: Formulation Development and Nasal Deposition Studies	Pharmaceutics	2021	https://doi.org/10.3390/pharmaceutics13060795
5.	Laura Nižić Nodilo	In situ gelling nanosuspension as an advanced platform for fluticasone propionate nasal delivery	European Journal of Pharmaceutics and Biopharmaceutics	2022	https://doi.org/10.1016/j.ejpb.2022.04.009
6.	Mirna Perkušić	Tailoring functional spray-dried powder platform for efficient donepezil nose-to-brain delivery	International Journal of Pharmaceutics	2022	https://doi.org/10.1016/j.ijpharm.2022.122038
7.	Ivona Markelić i Iva Hlapčić (dijele prvo autorstvo)	Activation of NLRP3 inflammasome in stable chronic obstructive pulmonary disease	Scientific Reports	2022	https://doi.org/10.1038/s41598-022-11164-1
8.	Andrea Hulina Tomašković	Extracellular Hsp70 modulates 16HBE cells' infammatory responses to cigarette smoke and bacterial components lipopolysaccharide and lipoteichoic acid	Cell Stress and Chaperones	2022	https://doi.org/10.1007/s12192-022-01294-w
9.	Bisera Jurišić Dukovski i Josip Ljubica	Towards the development of a biorelevant in vitro method for the prediction of nanoemulsion stability on the ocular surface	International Journal of Pharmaceutics	2023	https://doi.org/10.1016/j.ijpharm.2023.122622

10.	Valerija Vujčić Bok	Phytotoxicity of Bisphenol A to Allium cepa Root Cells Mediated through Growth Hormone Gibberellic Acid and Reactive Oxygen Species	Molecules	2023	https://doi.org/10.3390/molecules28052046
11.	Martina Štampar	Combined Toxic Effects of BPA and Its Two Analogues BPAP and BPC in a 3D HepG2 Cell Model	Molecules	2023	https://doi.org/10.3390/molecules28073085
12.	Daniela Jakšić	Cyclodextrin-Based_Displacement Strategy of Sterigmatocystin from Serum Albumin as a Novel Approach for Acute Poisoning Detoxification	International Journal of Molecular Sciences	2023	https://doi.org/10.3390/ijms24054485
13.	Matija Kropek	Comparative Phenolic Profiles of Monovarietal Wines from Different Croatian Regions	Applied Sciences	2023	https://doi.org/10.3390/app13053031
14.	Lu Turković	Development and Validation of a Novel LC-MS/MS Method for the Simultaneous Determination of Abemaciclib, Palbociclib, Ribociclib, Anastrozole, Letrozole, and Fulvestrant in Plasma Samples: A Prerequisite for Personalized Breast Cancer Treatment	Pharmaceuticals	2022	https://doi.org/10.3390/ph15050614
15.	Jelena Kovačić	Green Solid-Phase (Micro)Extraction of Andrographolides' from Human Plasma Samples Followed by UHPLC-DAD-QqQ-MS/MS Analysis	Separations	2023	https://doi.org/10.3390/separations10020069
16.	Nikolina Golub	Phyto-Assisted Synthesis of Nanoselenium–Surface Modification and Stabilization by Polyphenols and Pectins Derived from Agricultural Wastes	Foods	2023	https://doi.org/10.3390/foods12051117
17.	Tin Weitner	Inner filter effect correction for fluorescence measurements in microplates using variable vertical axis focus	Analytical Chemistry	2022	https://doi.org/10.1021/acs.analchem.2c01031
18.	Ana Čačić	A Novel Approach for the Treatment of Aerobic Vaginitis: Azithromycin Liposomes-in-Chitosan Hydrogel	Pharmaceutics	2023	https://doi.org/10.3390/pharmaceutics15051356
19.	Mirna Perkušić	Chitosan-Based Thermogelling System for Nose-to-Brain Donepezil	Pharmaceutics	2023	https://doi.org/10.3390/pharmaceutics15061660

		Delivery: Optimising Formulation Properties and Nasal Deposition Profile			
20.	Daniela Amidžić Klarić	Assessment of Physicochemical Parameters and Contaminants in Herbal Dietary Supplements Used in the Treatment of Inflammatory Bowel Disease	Pharmaceuticals	2023	https://doi.org/10.3390/ph16060893
21.	Ivana Perković	Synthesis and Biological Evaluation of New Quinoline and Anthranilic Acid Derivatives as Potential Quorum Sensing Inhibitors	Molecules	2023	https://doi.org/10.3390/molecules28155866
22.	Marina Marinović	Design, synthesis and antiplasmodial evaluation of new amide-,carbamate-, and ureido-type harmicines	Bioorganic & Medicinal Chemistry	2023	https://sciendo.com/article/10.2478/aiht-2023-74-3717
24.	Kristina Pavić	Synthesis, antiproliferative and antiplasmodial evaluation of new chloroquine and mefloquine-based harmiquins	Acta Pharmaceutica	2023	https://doi.org/10.2478/acph-2023-0035
25.	David Klarić	Aluminum(III) complexes of aroylhydrazones derived from nicotinic acid hydrazide: MS, UV-Vis and DFT study	Journal of Coordination Chemistry	2023	https://doi.org/10.1080/00958972.2023.2300057
26.	David Klarić	Inclusion complexes of nabumetone with β-cyclodextrins: Spectroscopic, spectrometric and calorimetric studies in solution	Journal of Molecular Liquids	2024	https://doi.org/10.1016/j.molliq.2024.124152
27.	Jasminka Peršec	Effects of epidurally administered dexmedetomidine and dexamethasone on postoperative pain, analgesic requirements, inflammation, and oxidative stress in thoracic surgery	Acta Pharmaceutica	2023	https://doi.org/10.2478/acph-2023-0040
28.	Lu Turković	Optimisation of dispersive liquid-liquid microextraction for plasma sample preparation in bioanalysis of CDK4/6 inhibitors in therapeutic combinations for breast cancer treatment	Heliyon	2023	https://doi.org/10.3390/ph16101445
29.	Đani Benčić	Oleuropein in olive leaf, branch, and stem extracts: stability and biological activity in human cervical carcinoma and melanoma cells	Acta Pharmaceutica	2023	https://doi.org/10.2478/acph-2023-0046

30.	Anita Pokupec Bilić	Impact of anthracycline-based chemotherapy on RB1 gene methylation in peripheral blood leukocytes and biomarkers of oxidative stress and inflammation in sarcoma patients	Clinical and Translational Oncology	2024	https://doi.org/10.1007/s12094-023-03375-3
31.	Zvonimir Mlinarić	Dispersive liquid-liquid microextraction followed by sweeping micellar electrokinetic chromatography-tandem mass spectrometry for determination of six breast cancer drugs in human plasma	Journal of Chromatography	2024	https://doi.org/10.1016/j.chroma.2024.464698
32.	Emerik Galić	Functionalization of selenium nanoparticles with olive polyphenols – impact on toxicity and antioxidative activity	Acta Pharmaceutica	2023	https://doi.org/10.2478/acph-2023-0036
33.	Kristina Radić	Preparation of astaxanthin/zeaxanthin-loaded nanostructured lipid carriers for enhanced bioavailability: Characterization-, stability- and permeability study	Acta Pharmaceutica	2023	https://doi.org/10.2478/acph-2023-0038
34.	Lu Turković	Optimisation of Solid-Phase Extraction and LC-MS/MS Analysis of Six Breast Cancer Drugs in Patient Plasma Samples	Pharmaceuticals	2023	https://doi.org/10.3390/ph16101445
35.	Valentina Borko	Preparation and characterization of iron(III) nitrilotriacetate complex in aqueous solutions for quantitative protein binding experiments	Analytical methods	2023	https://pubs.rsc.org/en/content/articlelanding/2023/ay/d3ay01261a
36.	Tomislav Friganović	Reducing the Inner Filter Effect in Microplates by Increasing Absorbance? Linear Fluorescence in Highly Concentrated Fluorophore Solutions in the Presence of an Added Absorber	Analytical Chemistry	2023	https://doi.org/10.1021/acs.analchem.3c01295
37.	Valentina Borko	Glycoproteomics meets thermodynamics: A calorimetric study of the effect of sialylation and synergistic anion on the	Journal of inorganic biochemistry	2023	https://doi.org/10.1016/j.jinorgbio.2023.112207

		binding of iron to human serum transferrin			
38.	Anja Divković	Effect of Alpha Lipoic Acid Supplementation on Oxidative Stress and Lipid Parameters in Women Diagnosed with Low-Grade Squamous Intraepithelial Lesions	Antioxidants	2023	https://doi.org/10.3390/antiox12091670
39.	Frano Vučković	Variability of human Alpha-1-acid glycoprotein N-glycome in a Caucasian population	Glycobiology	2024	https://doi.org/10.1093/glycob/cwae031
40.	Radwan Joukhadar	Functional Nanostructured Lipid Carrier-Enriched Hydrogels Tailored to Repair Damaged Epidermal Barrier	Gels	2024	https://doi.org/10.3390/gels10070466
41.	Diana Brlek Gorski	Virulence Factors and Susceptibility to Ciprofloxacin, Vancomycin, Triclosan, and Chlorhexidine among Enterococci from Clinical Specimens, Food, and Wastewater	Microorganisms	2024	https://doi.org/10.3390/microorganisms12091808
42.	Katarina Gugo	Effects of Hypoxia and Inflammation on Hepcidin Concentration in Non-Anaemic COVID-19 Patients	Journal of Clinical Medicine	2024	https://doi.org/10.3390/jcm13113201
43.	Lada Rumora	Assessment of NLRP3 inflammasome activation in patients with chronic obstructive pulmonary disease before and after lung transplantation	Immunologic Research	2024	https://doi.org/10.1007/s12026-024-09497-2
44.	David Klarić	Biopharmaceutical Characterization and Stability of Nabumetone–Cyclodextrins Complexes Prepared by Grinding	Pharmaceutics	2024	https://doi.org/10.3390/pharmaceutics16121493
45.	Dalia Nemanić	Botulinum Toxin Type A Exerts Direct Trans-Synaptic Action at Bilateral Spinal Nociceptive Circuits	Toxins	2025	https://doi.org/10.3390/toxins17030140
46.	Darija Stupin Polančec	Citrinin Provoke DNA Damage and Cell-Cycle Arrest Related to Chk2 and FANCD2 Checkpoint Proteins in Hepatocellular and Adenocarcinoma Cell Lines	Toxins	2024	https://doi.org/10.1016/j.heliyon.2024.e34066
47.	Andrea Čeri	Establishment of liquid biopsy procedure for the analysis of circulating cell free DNA, exosomes, RNA and proteins	Nature portfolio	2024	https://doi.org/10.1038/s41598-024-78497-x

		in colorectal cancer and adenoma patients			
48.	Jelena Kovačić	Development and validation of stability-indicating method of etrasimod by HPLC/DAD/MS/MS technique with greenness profiling	Heliyon	2024	https://doi.org/10.1016/j.heliyon.2024.e34066
49.	Tino Šeba	Influence of Desialylation on the Drug Binding Affinity of HumanAlpha-1-Acid Glycoprotein Assessed by Microscale Thermophoresis	Pharmaceutics	2024	https://doi.org/10.3390/pharmaceutics16020230
50.	Marija Fabijanec	MicroRNA-193a-3p as a Valuable Biomarker for Discriminating between Colorectal Cancer and Colorectal Adenoma Patients	International Journal of Molecular Sciences	2024	https://doi.org/10.3390/ijms25158156
51.	Nikolina Golub	Microwave-Assisted Valorization of Tomato Pomace for Pectin Recovery: Improving Yiels and Environmental Footprint	Foods	2025	https://doi.org/10.3390/foods14091516
52.	Josip Ljubica	Overcoming barriers in formulating practically insoluble loteprednol etabonate in ophthalmic nanoemulsion	European Journal of Pharmaceutical Sciences	2025	https://doi.org/10.1016/j.ejps.2025.107077
53.	Josip Ljubica	Preparation of dried nanoemulsion formulation by electrospinning	European Journal of Pharmaceutical Sciences	2025	https://doi.org/10.1016/j.ejps.2025.107015
54.	Tomislav Friganović	Protein sialylation affects the pH-dependent binding of ferric ion to human serum transferrin	Dalton Transactions	2024	https://doi.org/10.1039/D4DT01311E
55.	Jelena Torić	Proton-Coupled Electron Transfer and Hydrogen Tunneling in Olive Oil Phenol Reactions	International Journal of Molecular Sciences	2024	https://doi.org/10.3390/ijms25126341
56.	Gabrijel Zubčić	Regioselective Rearrangement of Nitrogen- and Carbon-Centered Radical Intermediates in the Hofmann–Löffler–Freytag Reaction	The Journal of Physical Chemistry A	2024	https://doi.org/10.1021/acs.jpca.3c07892
57.	Ana Penava	Towards Novel Antiplasmodial Agents—Design, Synthesis and Antimalarial Activity of Second-Generation β-Carboline/Chloroquine Hybrids	Molecules	2024	https://doi.org/10.3390/molecules29245991
58.	Goran Poje	Unveiling the antiglioblastoma potential of harmicens,	Acta Pharmaceutica	2024	https://doi.org/10.2478/acph-2024-0033

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59.	Kristina Pavić	Discovery of harmiprims, harmine-primaquine hybrids, as potent and selective anticancer and antimalarial compounds	Bioorganic & Medicinal Chemistry	2024	https://doi.org/10.1016/j.bmc.2024.117734
60.	Lu Turković	Three sample preparation methods for clinical determination of CDK4/6 inhibitors with endocrine therapy in breast cancer patient plasma using LC-MS: Cross-validation (red), ecological (green) and economical (blue) assessment	Pharmaceutical and Biomedical Analysis	2025	https://doi.org/10.1016/j.jpba.2024.116586
61.	Nikolina Golub	Utilizing tomato pomace-based pectins in the fabrication of selenium nanoformulations – Functional characterization and gastrointestinal stability	Food Research International	2025	https://doi.org/10.1016/j.foodres.2025.116434
62.	Goran Poje	Design and synthesis of harmiquins, harmine and chloroquine hybrids as potent antiplasmodial agents	European Journal od Medicinal Chemistry	2022	https://doi.org/10.1016/j.ejmech.2022.114408
63.	Sabina Keser	Vesicular phospholipid gels: A new strategy to improve topical antimicrobial dermatotherapy	International Journal of Pharmaceutics	2024	https://doi.org/10.1016/j.ijpharm.2024.124931
64.	Robert Kerep	Potential Clinically Relevant Effects of Sialylation on Human Serum AAG-Drug Interactions Assessed by Isothermal Titration Calorimetry: Insight into Pharmacoglycomics?	Journal of Molecular Sciences	2023	doi:10.3390/ijms24108472
65.	Zvonimir Mlinarić	Development, cross-validation and greenness assessment of capillary electrophoresis method for determination of ALP in pharmaceutical dosage forms – an alternative to liquid chromatography	RCS Advances	2024	https://doi.org/10.1039/D4RA05715E
66.	Dunja Šikić	An LC-MS/MS-based approach for monitoring monoaminergic status in lizard brains: method development and real-samples application	Journal of Comparative Physiology A	2025	https://doi.org/10.1007/s00359-025-01753-6

67.	David Klarić	From Mechanochemically Driven Complexation and Multimodal Characterization to Stability and Toxicological Insight: A Study of Cinnarizine–β-Cyclodextrins Complexes	Pharmaceutics	2025	https://doi.org/10.3390/pharmaceutics17101338
68.	Zvonimir Mlinarić	Surfactant-enhanced emulsification liquid-liquid microextraction combined with sweeping micellar electrokinetic chromatography-tandem mass spectrometry for therapeutic drug monitoring of alpelisib and fulvestrant in human plasma	Analytical & bioanalytical chemistry,	2025	doi: 10.1007/s00216-025-06233-z
69.	Martin Kondža	CYP3A4-Mediated Metabolism and Drug-Drug Interaction Potential of Abemaciclib and Letrozole In Vitro	Chemistry & biodiversity	2026	https://doi.org/10.1002/cbdv.202502344