

## **Popis znanstvenih publikacija Fakulteta u razdoblju 2018. - 2022.**

Publikacije objavljene u 2018.

1. Pavić, Tamara; Dilber, Dario; Kifer, Domagoj; Selak, Najda; Keser, Toma; Ljubičić, Đivo; Vukić Dugac, Andrea; Lauc, Gordan; Rumora, Lada; Gornik, Olga. N-glycosylation patterns of plasma proteins and immunoglobulin G in chronic obstructive pulmonary disease, *Journal of translational medicine* 16 (2018) 323-323, doi:10.1186/s12967-018-1695-0.
2. Antolić, Andrea; Maleš, Željan; Tomičić, Maja; Bojić, Mirza. The Effect of Short-Toothed and Dalmatian Sage Extracts on Platelet Aggregation, *Food technology and biotechnology* 56 (2018) 265-269, doi:10.17113/ftb.56.02.18.5474.
3. Gajski, Goran; Gerić, Marko; Vučić Lovrenčić, Marijana; Božičević, Sandra; Rubelj, Ivica; Nanić, Lucija; Škrobot Vidaček, Nikolina; Bendix, Laila; Peraica, Maja; Rašić, Dubravka et al. Analysis of health-related biomarkers between vegetarians and non-vegetarians: A multi-biomarker approach, *Journal of functional foods* 48 (2018) 643-653, doi:10.1016/j.jff.2018.07.054.
4. Krečak, Ivan; Gverić-Krečak, Velka; Rončević, Pavle; Bašić-Kinda, Sandra; Gulin, Josipa; Lapić, Ivana; Fumić, Ksenija; Ilić, Ivana; Horvat, Ivana; Zadro, Renata et al. Serum chitotriosidase : a circulating biomarker in polycythemia vera, *Hematology* (2018) 793-802, doi:10.1080/10245332.2018.1498157.
5. Vuletić, Lucija; Khan, M. Zahirul I.; Špoljarić, Drago; Radić, Maja; Cetina-Čižmek, Biserka; Filipović-Grčić, Jelena. Development of a Clinically Relevant Dissolution Method for Metaxalone Immediate Release Formulations Based on an IVIVC Model, *Pharmaceutical Research* 35 (2018) 163, doi:10.1007/s11095-018-2434-1.
6. Gudelj, Ivan; Salo, Perttu P.; Trbojević-Akmačić, Irena; Albers, Malena; Primorac, Dragan; Perola, Markus; Lauc, Gordan. Low galactosylation of IgG associates with higher risk for future diagnosis of rheumatoid arthritis during 10 years of follow-up, *Biochimica et biophysica acta-molecular basis of disease* 1864 (2018) 2034-2039, doi:10.1016/j.bbadi.2018.03.018.
7. Jakšić, Daniela; Kocsuhé, Sándor; Bencsik, Ottó; Kecskeméti, Anita; Szekeres, András; Jelić, Dubravko; Kopjar, Nevenka; Vágvölgyi, Csaba; Varga, János; Šegvić Klarić, Maja. Fumonisin production and toxic capacity in airborne black Aspergilli, *Toxicology in vitro* 53 (2018) 160-171, doi:10.1016/j.tiv.2018.08.006.
8. Mlinarić, Ana; Vogrinč, Željka; Drenšek, Zrinka. Effect of sample processing and time delay on cell count and chemistry tests in cerebrospinal fluid collected from drainage systems, *Biochimia medica* 28 (2018) 430-438, doi:10.11613/bm.2018.030705.
9. Unić, Adriana; Đerek, Lovorka; Duvnjak, Marko; Patrlj, Leonardo; Rakić, Mislav; Kujundžić, Milan; Renjić, Vesna; Štoković, Nikola; Dinjar, Petra; Jukić, Anita; Grgurević, Ivica. Diagnostic specificity and sensitivity of PIVKAII, GP3, CSTB, SCCA1 and HGF for the diagnosis of hepatocellular carcinoma in patients with alcoholic liver cirrhosis, *Annals of clinical biochemistry* 55 (2018) 355-362, doi:10.1177/004563217726808.
10. Gumerova, I. Nadiia; Al-Sayed, Emir; Krivosudský, Lukáš; Čipčić-Paljetak, Hana; Verbanac, Donatella; Rompel, Annette. Antibacterial Activity of Polyoxometalates Against *Moraxella catarrhalis*, *Frontiers in Chemistry* 6 (2018) 336, doi:10.3389/fchem.2018.00336.
11. Matić, Mirela; Denegri, Bernard. A DFT PCM-based methodology for predicting solvolytic reactivities of organic carbonates, *Organic & biomolecular chemistry* 16 (2018) 4665-4674, doi:10.1039/C8OB00917A.
12. Beus, Maja; Rajić, Zrinka; Maysinger, Dušica; Mlinarić, Zvonimir; Antunović, Maja; Marijanović, Inga; Fontinha, Diana; Prudêncio, Miguel; Held, Jana; Olgen, Sureyya; Zorc, Branka. SAHAquines, Novel Hybrids Based on SAHA and Primaquine Motifs, as Potential Cytostatic and Antiplasmodial Agents, *ChemistryOpen* 7 (2018) 624-638, doi:10.1002/open.201800117.

13. Jablan, Jasna; Grdić Rajković, Marija; Inić, Suzana; Petlevski, Roberta; Domijan, Ana-Marija. Impact of anticoagulants on assessment of zinc in plasma, *Croatica chemica acta* 91 (2018) 317-321, doi:10.5562cca3321.
14. Tkalčić Švabek, Željka; Josipović, Marina; Horvat, Ivana; Zadro, Renata; Davidović-Mrsić, Sanja. The incidence of atypical patterns of BCR-ABL1 rearrangement and molecular-cytogenetic response to tyrosine kinase inhibitor therapy in newly diagnosed cases with chronic myeloid leukemia (CML), *Blood research* 53 (2018) 152-159, doi:10.5045br.2018.53.2.152.
15. Flegar, Vanja; Inić, Suzana. First appearance of Mendeleev's periodic system of elements in Croatian chemistry textbooks, *Croatica chemica acta* 91 (2018) 1-7, doi:10.5562cca3437.
16. Hazler Pilepić, Kroata; Yang, Zongling; Chen, Jiang; Chen, Xianqiang; Wang, Ying; Zhao, Jing; Mihaljević, Snježana; Li, Shao Ping. Flavonoids in natural and tissue cultured materials of *Epimedium alpinum* identified by using UHPLC-Q-TOF-MS MS, *International journal of mass spectrometry* 434 (2018) 222-232, doi:10.1016j.ijms.2018.09.026.
17. Jug, Mario; Mura, Paola Angela. Grinding as Solvent-Free Green Chemistry Approach for Cyclodextrin Inclusion Complex Preparation in the Solid State, *Pharmaceutics* 10 (2018) 189-211, doi:10.3390/pharmaceutics10040189.
18. Fumić, Barbara; Zovko Končić, Marijana; Jug, Mario. Development of cyclodextrin-based extract of *Lotus corniculatus* as a potential substrate reduction therapy in mucopolysaccharidoses type III, *Journal of inclusion phenomena and macrocyclic chemistry* 92 (2018) 369-379, doi:10.1007s10847-018-0861-6.
19. Pavić, Kristina; Perković, Ivana; Pospišilova, Šarka; Machado, Marta; Fontinha, Diana; Prudencio, Miguel; Jampilek, Josef; Coffey, Aidan; Endersen, Lorraine; Rimac, Hrvoje; Zorc, Branka. Primaquine hybrids as promising antimycobacterial and antimalarial agents, *European journal of medicinal chemistry* 143 (2018) 769-779, doi:10.1016j.ejmech.2017.11.083.
20. Drinovac Vlah, Višnja; Filipović, Boris; Bach-Rojecky, Lidija; Lacković, Zlatko. Role of central versus peripheral opioid system in antinociceptive and anti-inflammatory effect of botulinum toxin type A in trigeminal region, *European journal of pain* 22 (2018) 583-591, doi:10.1002/ejp.1146.
21. Kereša, Snježana; Andrijanić, Zoe; Kremer, Dario; Habuš Jerčić, Ivanka; Barić, Marijana; Batelja Lodeta, Kristina; Bolarić, Snježana; Bošnjak Mihovilović, Anita. Efficient micropropagation and rooting of *Micromeria croatica* (Pers.) Schott (Lamiaceae), *Poljoprivreda* (2018) 27-33, doi:10.18047/poljo.24.2.4.
22. Zovko Končić, Marijana. Getting more than you paid for: unauthorized "natural" substances in herbal food supplements on EU market, *Planta medica* 84 (2018) 394-406, doi:10.1055s-0044-100042.
23. Škrlec, Ivana; Barišić, Karmela; Wagner, Jasenka. Validation of a Screening Method for Dynamic Mutations in the FMR1 Gene, *Annals of clinical and laboratory science* 48 (2018) 810-813.
24. Mlinarić, Ana; Miloš, Marija; Coen Herak, Desiree; Fuček, Mirjana; Rimac, Vladimira; Zadro, Renata; Rogić, Dunja. Autovalidation and automation of the postanalytical phase of routine hematology and coagulation analyses in a university hospital laboratory, *Clinical chemistry and laboratory medicine* 56 (2018) 454-462, doi:10.1515cclm-2017-0402.
25. Juretić, Marina; Cetina-Čižmek, Biserka; Filipović-Grčić, Jelena; Hafner, Anita; Lovrić, Jasmina; Pepić, Ivan. Biopharmaceutical evaluation of surface active ophthalmic excipients using in vitro and ex vivo corneal models, *European Journal of Pharmaceutical Sciences* 120 (2018) 133-141, doi:10.1016/j.ejps.2018.04.032.
26. Milas, Goran; Šupe-Domić, Daniela; Drmić-Hofman, Irena; Rumora, Lada; Martinović Klarić, Irena. Weather conditions: a neglected factor in human salivary cortisol research?, *International journal of biometeorology* 62 (2018) 165-175, doi:10.1007s00484-017-1436-8.
27. Žuntar, Irena; Krivohlavek, Adela; Kosić-Vukšić, Josipa; Granato, Daniel; Bursać Kovačević, Danijela; Putnik, Predrag. Pharmacological and toxicological health risk of food (herbal) supplements adulterated with erectile dysfunction medications, *Current opinion in food science* 24 (2018) 9-15, doi:10.1016j.cofs.2018.10.012.

28. Amidžić, Mirjana; Marić, Patricia; Fumić, Barbara; Petlevski, Roberta; Bljajić, Kristina, Zovko Končić, Marijana. Oleuropein-Rich Olive Leaf Extracts May Ameliorate Consequences of Glucose-Induced Oxidative Stress in Hep G2 Cells, *Natural product communications* 13 (2018) 657-660, doi:10.1177/1934578X1801300601.
29. Levatić, Jurica; Pavić, Kristina; Perković, Ivana; Uzelac, Lidija; Ester, Katja; Kralj, Marijeta; Kaiser, Marcel; Rottmann, Matthias; Supek, Fran; Zorc, Branka. Machine learning prioritizes synthesis of primaquine ureidoamides with high antimalarial activity and attenuated cytotoxicity, *European journal of medicinal chemistry* 146 (2018) 651-667, doi:10.1016/j.ejmech.2018.01.062.
30. Blažeković, Biljana; Yang, Weifeng; Wang, Yi; Li, Chun; Kindl, Marija; Pepelnjak, Stjepan; Vladimir-Knežević, Sanda. Chemical composition, antimicrobial and antioxidant activities of essential oils of *Lavandula × intermedia* 'Budrovka' and *L. angustifolia* cultivated in Croatia, *Industrial crops and products* 123 (2018) 173-182, doi:10.1016/j.indcrop.2018.06.041.
31. Hulina, Andrea; Grdić Rajković, Marija; Jakšić Despot, Daniela; Jelić, Dubravko; Dojder, Ana; Čepelak, Ivana; Rumora, Lada. Extracellular Hsp70 induces inflammation and modulates LPS LTA-stimulated inflammatory response in THP-1 cells, *Cell stress & chaperones* 23 (2018) 373-384, doi:10.1007/s12192-017-0847-0.
32. Nikolac Gabaj, Nora; Miler, Marijana; Vrtarić, Alen; Hemar, Marina; Filipi, Petra; Kocijančić, Marija; Šupak Smolčić, Vesna; Ćelap, Ivana; Šimundić, Ana-Maria. Precision, accuracy, cross reactivity and comparability of serum indices measurement on Abbott Architect c8000, Beckman Coulter AU5800 and Roche Cobas 6000 c501 clinical chemistry analyzers, *Clinical chemistry and laboratory medicine* 56 (2018) 776-788, doi:10.1515/cclm-2017-0889.
33. Hulina Tomašković, Andrea; Grdić Rajković, Marija; Somborac Bačura, Anita; Čeri, Andrea; Dabelić, Sanja; Rumora, Lada. Extracellular Hsp70 modulates the inflammatory response of cigarette smoke extract in NCI-H292 cells, *Experimental physiology* 103 (2018) 1704-1716, doi:10.1113/EP087180.
34. Marević, Sanja; Petrik, Jozsef; Popović Grle, Sanja; Čepelak, Ivana; Grgić, Ivana; Gorenec, Lana; Stjepanović, Gordana; Laškaj, Renata; Židovec Lepej, Snježana. Cytokines and statin therapy in chronic obstructive pulmonary disease patients, *Scandinavian journal of clinical & laboratory investigation* 78 (2018) 533-538, doi:10.108000365513.2018.1514464.
35. Kruljac, Ivan; Vurnek, Ivan; Maasberg, Sebastian; Kust, Davor; Blaslov, Kristina; Ladika Davidović, Blaženka; Štefanović, Mario; Demirović, Alma; Bišćanin, Alen; Filipović-Čugura, Jakša et al. A score derived from routine biochemical parameters increases the diagnostic accuracy of chromogranin A in detecting patients with neuroendocrine neoplasms, *Endocrine* (2018) 395-406, doi:10.1007/s12020-018-1592-6.
36. Rako, Ivana; Mlinarić, Ana; Dozelenčić, Monika; Juros Fressl, Gordana; Rogić, Dunja. Effect of different pre-analytical conditions on plasma lactate concentration, *Biochimia medica* 28 (2018) 266-275, doi:10.11613/bm.2018.020701.
37. Bojić, Mirza; Antolić, Andrea; Tomičić, Maja; Debeljak, Željko; Maleš, Željan. Propolis ethanolic extracts reduce adenosine diphosphate induced platelet aggregation determined on whole blood, *Nutrition Journal* 17 (2018) 52, doi:10.1186/s12937-018-0361-y.
38. Yang, Weifeng; Liu, Jueling; Blažeković, Biljana; Sun, Yanan; Ma, Shuhua; Ren, Chuanyun; Vladimir-Knežević, Sanda; Li, Chaohua; Xing, Yajun; Tian, Guijie; Yi, Wang. In vitro antibacterial effects of Tanreqing injection combined with vancomycin or linezolid against methicillin-resistant *Staphylococcus aureus*, *BMC Complementary and Alternative Medicine*, 18 (2018) 169, doi:10.1186/s12906-018-2231-8.
39. Jakasa, Ivone; Thyssen, Jacob P; Kežić, Sanja. The role of skin barrier in occupational contact dermatitis, *Experimental dermatology* 27 (2018) 909-914, doi:10.1111/exd.13704.
40. Nigović, Biljana; Sandra, Jurić; Mornar, Ana. Electrochemical determination of nepafenac topically applied nonsteroidal anti-inflammatory drug using graphene nanoplatelets-carbon nanofibers modified glassy carbon electrode, *Journal of electroanalytical chemistry* 817 (2018) 30-35, doi:10.1016/j.jelechem.2018.03.068.

41. Perović, Antonija; Sobočanec, Sandra; Dabelić, Sanja; Balog, Tihomir; Dumić, Jerka. Effect of scuba diving on the oxidant antioxidant status, SIRT1 and SIRT3 expression in recreational divers after a winter non-dive period, *Free radical research* 52 (2018) 188-197, doi:10.108010715762.2017.1422211.
42. Gudej, Ivan; Lauc, Gordan. Protein N-glycosylation in cardiovascular diseases and related risk factors, *Current Cardiovascular Risk Reports* 12 (2018) 12-16, doi:10.1007s12170-018-0579-4.
43. Mabeta, Peace; Pavić, Kristina; Zorc, Branka. Insights into the mechanism of antiproliferative effects of primaquine-cinnamic acid conjugates on MCF-7 cells, *Acta pharmaceutica* 68 (2018) 337-348, doi:10.2478acph-2018-0021.
44. Clerc, Florent; Novokmet, Mislav; Dotz, Viktoria; Reiding, Karli R.; de Haan, Noortje; Kammeijer, Guinevere S.M.; Dalebout, Hans; Bladergroen, Marco R.; Vukovic, Frano; Rapp, Erdmann et al. Plasma N-Glycan Signatures Are Associated With Features of Inflammatory Bowel Diseases, *Gastroenterology* (2018) 829-843, doi:10.1053j.gastro.2018.05.030.
45. O'Flaherty, Róisín; Trbojević-Akmačić, Irena; Greville, Gordon; Rudd, Pauline M.; Lauc, Gordan. The sweet spot for biologics: recent advances in characterization of biotherapeutic glycoproteins, *Expert Review of Proteomics* 15 (2018) 13-29, doi:10.108014789450.2018.1404907.
46. Trbojević-Akmačić, Irena; Vučković, Frano; Vilaj, Marija; Skelin, Andrea; Karssen, Lennart C.; Krištić, Jasmina; Jurić, Julija; Momčilović, Ana; Šimunović, Jelena; Mangino, Massimo et al. Plasma N-glycome composition associates with chronic low back pain, *Biochimica et Biophysica Acta* (2018) 2124-2133, doi:10.1016j.bbagen.2018.07.003.
47. Pavić, Tamara; Juszczak, Agata; Pape Medvidović, Edita; Burrows, Carla; Šekerija, Mario; Bennett, Amanda J; Čuća Knežević, Jadranka; Gloyn, Anna L; Lauc, Gordan; McCarthy, Mark I et al. Maturity onset diabetes of the young due to HNF1A variants in Croatia, *Biochimia medica* 28 (2018) 020703, doi:10.11613bm.2018.020703.
48. Doherty, Margaret; Theodoratou, Evropi; Walsh, Ian; Adamczyk, Barbara; Stöckmann, Henning; Agakov, Felix; Timofeeva, Maria; Trbojević-Akmačić, Irena; Vučković, Frano; Duffy, Fergal et al. Plasma N-glycans in colorectal cancer risk, *Scientific Reports* 8 (2018) 8655, doi:10.1038s41598-018-26805-7.
49. Vasilj, Marina; Bašić Kes, Vanja; Vrkić, Nada; Vukasović, Ines. Relevance of KFLC quantification to differentiate clinically isolated syndrome from multiple sclerosis at clinical onset, *Clinical neurology and neurosurgery* (2018) 220-229, doi:10.1016/j.clineuro.2018.09.031.
50. Fumić, Barbara; Jablan, Jasna; Cinčić, Dominik; Zovko Končić, Marijana; Jug, Mario. Cyclodextrin encapsulation of daidzein and genistein by grinding: Implication on the glycosaminoglycan accumulation in mucopolysaccharidoses type II and III fibroblasts, *Journal of microencapsulation* 35 (2018) 1-12, doi:10.108002652048.2017.1409819.
51. Wróblewska, Magdalena; Szekalska, Marta; Hafner, Anita; Winnicka, Katarzyna. Oleogels and bigels as topical drug carriers for ketoconazole - development and in vitro characterization, *Acta Poloniae pharmaceutica* 75 (2018) 777-786.
52. Liu, Di; Chu, Xi; Wang, Hao; Dong, Jing; Ge, Si-Qi; Zhao, Zhong-Yao; Peng, Hong-Li; Sun, Ming; Wu, Li-Juan; Song, Man-Shu et al. The changes of immunoglobulin G N-glycosylation in blood lipids and dyslipidaemia, *Journal of Translational Medicine* 16 (2018) 235, doi: 10.1186/s12967-018-1616-2.
53. Krtalić, Iva; Radošević, Senka; Hafner, Anita; Grassi, Mario; Nenadić, Mirta; Cetina-Čižmek, Biserka; Filipović-Grčić, Jelena; Pepić, Ivan; Lovrić, Jasmina. D-Optimal Design in the Development of Rheologically Improved In Situ Forming Ophthalmic Gel, *Journal of pharmaceutical sciences* 107 (2018) 1562-1571, doi: 10.1016/j.xphs.2018.01.019.
54. Šarić Mustapić, Darija; Debeljak, Željko; Maleš, Željan; Bojić, Mirza. The inhibitory effect of flavonoid aglycones on the metabolic activity of CYP3A4 enzyme, *Molecules* 23 (2018) 2553, doi:10.3390molecules23102553.
55. Wahl, Annika; Kasela, Silva; Monotoro, Elena Carnero; van Iterson, Maarten; Štambuk, Jerko; Sharma, Sapna; van den Akker, Erik; Klarić, Lucija; Benedetti, Elisa; Razdorov, Genadij et al. IgG glycosylation

- and DNA methylation are interconnected with smoking, *Biochimica et biophysica acta. G, General subjects* 1862 (2018) 637-648, doi:10.1016j.bbagen.2017.10.012.
- 56. Matić, Sara; Jadrijević-Mladar Takač, Milena; Barbarić, Monika; Lučić, Bono; Gall Trošelj, Koraljka; Stepanić, Višnja. The Influence of In Vivo Metabolic Modifications on ADMET Properties of Green Tea Catechins-In Silico Analysis, *Journal of pharmaceutical sciences* 107 (2018) 2957-2964, doi:10.1016j.xphs.2018.07.026.
  - 57. Zaytseva, Olga; Jansen, Bas; Hanić, Maja; Mrčela, Mia; Razdorov, Genadij; Stojković, Ranko; Erhardt, Julija; Brizić, Ilija; Jonjić, Stipan; Pezer, Marija; Lauc, Gordan. MIgGGly (mouse IgG glycosylation analysis) - a high-throughput method for studying Fc-linked IgG N-glycosylation in mice with nanoUPLC-ESI-MS, *Scientific Reports* 8 (2018) 13688, doi:10.1038s41598-018-31844-1.
  - 58. Bjelopetrović, Alen; Lukin, Stipe; Halasz, Ivan; Užarević, Krunoslav; Đilović, Ivica; Barišić, Dajana; Budimir, Ana; Juribašić Kulcsar, Marina; Ćurić, Manda. Mechanism of Mechanochemical C-H Bond Activation in an Azobenzene Substrate by Pd(II) Catalysts, *Chemistry : a European journal* 24 (2018) 10672-10682, doi:10.1002chem.201802403.
  - 59. Unić, Adriana; Nikolac Gabaj, Nora; Miler, Marijana; Culej, Jelena; Lisac, Adriana; Horvat, Anita; Vrkić, Nada. Ascorbic acid—A black hole of urine chemistry screening, *Journal of clinical laboratory analysis* 32 (2018) 22390, doi:10.1002jcla.22390.
  - 60. Wahl, Annika; van den Akker, Erik; Klarić, Lucija; Štambuk, Jerko; Benedetti, Elisa; Plomp, Rosina; Razdorov, Genadij; Trbojević-Akmačić, Irena; Deelen, Joris; van Heemst, Diana et al. Genome-Wide Association Study on Immunoglobulin G Glycosylation Patterns, *Frontiers in Immunology* 26 (2018) 277, doi:10.3389fimmu.2018.00277.
  - 61. Falamić, Slaven; Lucijanić, Marko; Ortner Hadžiabdić, Maja; Marušić, Srećko; Bačić Vrca, Vesna. Pharmacist's interventions improve time in therapeutic range of elderly rural patients on warfarin therapy: a randomized trial, *International Journal of Clinical Pharmacy* 40 (2018) 1078-1085, doi:10.1007s11096-018-0691-z.
  - 62. Unić, Adriana; Nikolac Gabaj, Nora; Miler, Marijana; Culej, Jelena; Lisac, Adriana; Horvat, Anita; Vrkić, Nada. Ascorbic acid – black hole of urine chemistry screening, *Journal of clinical laboratory analysis* 32 (2018) e22390, doi:10.1002jcla.22390.
  - 63. Pem, Barbara; Vrček, Valerije. Substituent effects on the stability of 1, 4-benzodiazepin-2-one tautomers. A density functional study, *International journal of quantum chemistry* 118 (2018) e25523, doi:10.1002qua.25523.
  - 64. Grdić Rajković, Marija; Popović-Grle, Sanja; Vukić Dugac, Andrea; Rogić, Dunja; Rako, Ivana; Radić Antolic, Margareta; Beriša, Mirela; Rumora, Lada. PON1 gene polymorphisms in patients with chronic obstructive pulmonary disease, *Journal of clinical pathology* 71 (2018) 963-970, doi:10.1136jclinpath-2018-205194.
  - 65. Kruljac, Ivan; Čaćić, Miroslav; Čaćić, Petra; Biloš, Lora; Kust, Davor; Perić, Božidar; Filipović-Grčić, Maja; Mirošević, Gorana; Ostojić, Vedran; Štefanović, Mario; Vrkljan, Milan. The impact of hyperosmolarity on long-term outcome in patients presenting with severe hyperglycemic crisis: a population based study, *Experimental and Clinical Endocrinology & Diabetes* 126 (2018) 564-569, doi:10.1055s-0043-117416.
  - 66. Dodig, Slavica; Čepelak, Ivana. The potential of component-resolved diagnosis in laboratory diagnostics of allergy, *Biochimia Medica: The journal of The Croatian Society of Medical Biochemistry and Laboratory Medicine* 28 (2018) 020501, doi: 10.11613/BM.2018.020501.
  - 67. Lovrić, Marija; Majed Tibi, Mohamed; Filipan, Mirela; Cepanec, Ivica; Litvić, Mladen. Simple and Efficient Large-scale Metal-free Synthesis of o-(5-Formyl-2-thienyl)benzonitrile and o-(5-Formyl-2-furyl)benzonitrile, *Organic preparations and procedures international* 50 (2018) 81-90, doi:10.108000304948.2018.1405334.
  - 68. Russel, Alyce; Adua, Eric; Ugrina, Ivo; Laws, Simon; Wang, Wei. Unravelling immunoglobulin G Fc N-glycosylation: a dynamic marker potentiating predictive, preventive and personalised medicine, *International journal of molecular sciences* 19 (2018) 2, doi:10.3390ijms19020390.

69. Albahari, Petra; Jug, Mario; Radić, Kristina; Jurmanović, Sanja; Brnčić, Mladen; Rimac Brnčić, Suzana; Vitali Čepo, Dubravka. Characterization of olive pomace extract obtained by cyclodextrin-enhanced pulsed ultrasound assisted extraction, *Lebensmittel-wissenschaft und-technologie-food science and technology* 92 (2018) 22-31, doi:10.1016j.lwt.2018.02.011.
70. Jug, Mario; Hafner, Anita; Lovrić, Jasmina; Lusina Kregar, Maja; Pepić, Ivan; Vanić, Željka; Cetina-Čizmek, Biserka; Filipović-Grčić, Jelena. An overview of in vitro dissolution release methods for novel mucosal drug delivery systems, *Journal of pharmaceutical and biomedical analysis* 147 (2018) 350-366, doi:10.1016j.jpba.2017.06.072.
71. Friščić, Maja; Maslo, Semir; Garić, Rade; Maleš, Željan; Hazler Pilepić, Kroata. Comparative analysis of specialized metabolites and antioxidant capacity in vitro of different natural populations of *Globularia* spp., *Acta botanica Croatica* 77 (2018) 1-9, doi:10.1515botcro-2017-0017.
72. Vučemilović, Ante; Hadžija, Mirko; Žuntar, Irena. Treatment and skin decontamination of sarin intoxicated mice, *Toxicological and environmental chemistry* 100 (2018) 361-371, doi:10.108002772248.2018.1523413.
73. Štambuk, Nikola; Konjevoda, Paško; Turčić, Petra; Kövér, Katalin; Novak Kujundžić, Renata; Manojlović, Zoran; Gabričević, Mario. Genetic coding algorithm for sense and antisense peptide interactions, *Biosystems* 164 (2018) 199-216, doi:10.1016j.biosystems.2017.10.009.
74. Pavić, Kristina; Rajić, Zrinka; Mlinarić, Zvonimir; Uzelac, Lidija; Kralj, Marijeta; Zorc, Branka. Chloroquine urea derivatives: synthesis and antitumor activity in vitro, *Acta pharmaceutica* 68 (2018) 471-483, doi:10.2478acph-2018-0039.
75. Kowalski, Konrad; Skiba Joanna; Yuan, Qing; Hildebrandt, Alexander; Trzybinski, Damian; Wozniak, Krzystof; Balogh, Ria; Gyurcsik, Bela; Vrček, Valerije. Ferrocenyl GNA nucleosides: a bridge between organic and organometallic xeno-nucleic acids, *ChemPlusChem* 83 (2018) 77-86, doi:10.1002cplu.201700551.
76. Tešija Kuna, Andrea; Dukić, Kristina; Nikolac Gabaj, Nora; Miler, Marijana; Vukasović, Ines; Langer, Sanja; Šimundić, Ana-Maria; Vrkić, Nada. Comparison of enzymatic assay for HbA1c measurement (Abbott Architect) with capillary electrophoresis (Sebia Minicap Flex piercing analyser), *Laboratory medicine* 49 (2018) 231-238, doi:10.1093labmedlmx090.
77. Somborac Bačura, Anita; Rumora, Lada; Novak, Ruđer; Rašić, Dubravka; Dumić, Jerka; Čepelak, Ivana; Žanić-Grubišić, Tihana. Differential expression of heat shock proteins and activation of mitogen-activated protein kinases in A549 alveolar epithelial cells exposed to cigarette smoke extract, *Experimental physiology* 103 (2018) 1666-1678, doi:10.1113EP087038.
78. Vuković Rodriquez, Jadranka; Juričić, Živka. Perceptions and attitudes of community pharmacists toward professional ethics and ethical dilemmas in the workplace, *Research in Social & Administrative Pharmacy* 14 (2018) 441-450, doi: 10.1016/j.sapharm.2017.05.010.
79. Skelin, Marko; Lucijanić, Tomo; Liberati-Čizmek, Ana-Marija; Klobučar Majanović, Sanja; Lucijanić, Marko; Jakupović, Lejsa; Bakula, Miro; Vučak Lončar, Jelena; Marušić, Srećko; Matić, Tomas et al. Effect of timing of levothyroxine administration on the treatment of hypothyroidism : a three-period crossover randomized study, *Endocrine* (2018) 432-439, doi:10.1007s12020-018-1686-1.
80. Vilibić, Maja; Novački, Karolina; Vrkić, Nada; Karlović, Dalibor. Low BDNF concentrations in schizophrenia may be caused by non-linearity of BDNF correlation with age caused by its interaction with sex, *Alcoholism and psychiatry research: Journal on psychiatric research and addictions* 54 (2018) 21-32, doi:10.20471may.2018.54.01.02.
81. Menni, Cristina; Gudelj, Ivan; Macdonald-Dunlop, Erin; Mangino, Massimo; Zierer, Jonas; Bešić, Erim; Joshi, Peter K.; Trbojević-Akmačić, Irena; Chowienczyk, Phil J.; Spector, Tim D. et al. Glycosylation Profile of Immunoglobulin G Is Cross-Sectionally Associated With Cardiovascular Disease Risk Score and Subclinical Atherosclerosis in Two Independent Cohorts, *Circulation Research* 122 (2018) 1555-1564, doi:10.1161circresa.117.312174.
82. Leskovar, Dunja; Meštrović, Tomislav; Barešić, Anja; Kraljević, Ivana; Panek, Marina; Čipčić Paljetak, Hana; Perić, Mihaela; Matijašić, Mario; Rogić, Dunja; Barišić, Ana et al. The Role of Vitamin D in Inflammatory Bowel Disease – Assessing Therapeutic and Preventive Potential of Supplementation

- and Food Fortification, Food technology and biotechnology 56 (2018) 456-463, doi:10.17113/ftb.56.04.18.5805.
- 83. Mustapić, Sanda; Žiga, Sead; Matić, Vladimir; Bokun, Tomislav; Radić, Božo; Lucijanić, Marko; Marušić, Srećko; Babić, Žarko; Grgurević, Ivica. Ultrasound Grade of Liver Steatosis Is Independently Associated with the Risk of Metabolic Syndrome, Canadian journal of gastroenterology & hepatology 23 (2018) 8490242, doi:10.115520188490242.
  - 84. Cadamuro, Janne; Ibarz, Mercedes; Cornes, Michael; Nybo, Mads; Haschke-Becher, Elisabeth; von Meyer, Alexander; Lippi, Giuseppe; Šimundić, Ana-Maria. Managing inappropriate utilization of laboratory resources, Diagnosis 6 (2018) 5-13, doi:10.1515dx-2018-0029.
  - 85. Zhang, Issan; Beus, Maja; Stochaj, Ursula; Le, Phuong, Uyen; Zorc, Branka; Rajić, Zrinka; Petrecca, Kevin; Maysinger, Dušica. Inhibition of glioblastoma cell proliferation, invasion, and mechanism of action of a novel hydroxamic acid hybrid molecule, Cell death discovery 4 (2018) 41, doi:10.1038s41420-018-0103-0.
  - 86. Vitali Čepo, Dubravka; Radić, Kristina; Jurmanović, Sanja; Jug, Mario; Grdić Rajković, Marija; Pedisić, Sandra; Moslavac, Tihomir; Albahari, Petra. Valorization of olive pomace-based nutraceuticals as antioxidants in chemical, food, and biological models, Molecules 23 (2018) 1-22, doi:10.3390/molecules23082070.
  - 87. Rukavina, Zora; Šegvić Klarić, Maja; Filipović-Grčić, Jelena; Lovrić, Jasmina; Vanić, Željka. Azithromycin-loaded liposomes for enhanced topical treatment of methicillin-resistant *Staphylococcus aureus* (MRSA) infections, International journal of pharmaceutics 553 (2018) 109-119, doi:10.1016j.ijpharm.2018.10.024.
  - 88. Zaghloul, Shaza B.; Mook-Kanamori, Dennis O.; Kader, Sara; Stephan, Nisha; Halama, Anna; Engelke, Rudolf; Sarwath, Hina; Al-Dous, Eman K.; Mohamoud, Yasmin A.; Roemisch-Margl, Werner. et al. Deep molecular phenotypes link complex disorders and physiological insult to CpG methylation., Human molecular genetics 27 (2018) 1106-1121, doi:10.1093/hmg/ddy006.
  - 89. Liu, Jiaonan N; Dolikun, Mamatusupu; Štambuk, Jerko; Trbojević-Akmačić, Irena; Zhang, J; Wang, Hao; Zheng, DQ; Zhang, XY; Peng, HL; Zhao, ZY et al. The association between subclass-specific IgG Fc N-glycosylation profiles and hypertension in the Uygur, Kazak, Kirgiz, and Tajik populations, Journal of human hypertension 32 (2018) 555-563, doi:10.1038s41371-018-0071-0.
  - 90. Krištić, Jasmina; Zaytseva, Olga O.; Ram, Ramesh; Nguyen, Quang; Novokmet, Mislav; Vučković, Frano; Vilaj, Marija; Trbojević-Akmačić, Irena; Pezer, Marija; Davern, Kathleen M. et al. Profiling and genetic control of the murine immunoglobulin G glycome, Nature chemical biology 14 (2018) 516-524, doi:10.1038s41589-018-0034-3.
  - 91. Peharec Štefanić, Petra; Cvjetko, Petra; Biba, Renata; Domijan, Ana-Marija; Letofsky-Papst, Ilse; Tkalec, Mirta; Šikić, Sandra; Cindrić, Mario; Balen, Biljana. Physiological, ultrastructural and proteomic responses of tobacco seedlings exposed to silver nanoparticles and silver nitrate, Chemosphere 209 (2018) 640-653, doi:10.1016j.chemosphere.2018.06.128.
  - 92. Park, Dong Ik; Štambuk, Jerko; Razdorov, Genadij; Pučić-Baković, Maja; Martins-de-Souza, Daniel; Lauc, Gordan; Turck, Christoph W. Blood plasma IgG N-glycome biosignatures associated with major depressive disorder symptom severity and the antidepressant response, Scientific reports 8 (2018) 179, doi: 10.1038/s41598-017-17500-0.
  - 93. Maestrelli, Francesca; Jug, Mario; Cirri, Marzia; Kosalec, Ivan; Mura, Paola. Characterization and microbiological evaluation of chitosan-alginate microspheres for cefixime vaginal administration, Carbohydrate polymers 192 (2018) 176-183, doi:10.1016j.carbpol.2018.03.054.
  - 94. Gudelj, Ivan; Lauc, Gordan; Pezer, Marija. Immunoglobulin G glycosylation in aging and diseases, Cellular Immunology 1 (2018) YCIMM3836, doi:10.1016j.cellimm.2018.07.009.
  - 95. Hok, Lucija; Ulm, Lea; Tandarić, Tana; Krivohlavek, Adela; Šakić, Davor; Vrček, Valerije. Chlorination of 5-fluorouracil: Reaction mechanism and ecotoxicity assessment of chlorinated products, Chemosphere 207 (2018) 612-619, doi:10.1016j.chemosphere.2018.05.140.
  - 96. Držaić, Margita; Kummer, Ingrid; Mucalo, Iva; Bruno, Andreia; Ortner Hadžiabdić, Maja. Identifying self-assessed competencies and areas for improvement within community pharmacist-preceptors

- support during pre-registration training, *BMC Medical Education* 18 (2018) 30537998, doi:10.1186/s12909-018-1413-x.
97. Dodig, Slavica; Pavić Ivan. Kloridi u znoju i sigurnost pacijenta, *Paedriatrica Croatica* 62 (2018) 156-161, doi:10.13112PC.2018.23.
98. Somborac Bačura, Anita; Popović-Grle, Sanja; Zovko, Vlasta; Žanić-Grubišić, Tihana. Cigarette smoke induces activation of polymorphonuclear leukocytes, *Lung* 196 (2018) 27-31, doi:10.1007/s00408-017-0077-3.
99. Vlainić, Josipa; Kosalec, Ivan; Pavić, Kristina; Hadjipavlou-Litina, Dimitra; Pontiki, Eleni; Zorc, Branka. Insights into biological activity of ureidoamides with primaquine and amino acid moieties, *Journal of enzyme inhibition and medicinal chemistry* 33 (2018) 376-382, doi:10.108014756366.2017.1423067.
100. Košček, Marko; Gudelj, Ivan; Horvatić, Anita; Jović, Tanja; Vučković, Frano; Lauc, Gordan; Hećimović, Silva. N-glycome of the lysosomal glycocalyx is altered in Niemann-Pick Type C disease model cells, *Molecular & cellular proteomics* 17 (2018) 631-642, doi:10.1074/mcp.RA117.000129.
101. Benković, Maja; Radić, Kristina; Vitali Čepo, Dubravka; Jaškunas, Edvinas; Janutis, Laurynas; Morkunaite, Marija; Srečec, Siniša. Production of cocoa and carob-based drink powders by foam mat drying, *Journal of food process engineering* 41 (2018) e12825-e12825, doi:10.1111/jfpe.12825.
102. Butorac, Dražan; Djaković, Ivka; Grdić Rajković, Marija; Gall, Vesna; Kuna, Krunoslav; Kraljević, Zdenko. Prediction of cervical epithelial lesions level in patients with positive cytologic findings using colposcopic classification Rio De Janeiro 2011, *European journal of gynaecological oncology* 39 (2018) 372-376, doi:10.12892/ejgo3719.2018.
103. Prkić, Ante; Mitar, Ivana; Giljanović, Josipa; Nazlić, Marija; Kremer, Dario; Anđelić, Ivana; Vuletić, Nenad; Dunkić, Valerija. Potentiometric Determination of Copper in Herbal Material and Hydrolats of Veronica Species (Family Plantaginaceae), *International journal of electrochemical science* 13 (2018) 11923-11930, doi:10.209642018.12.16.
104. Rajić, Zrinka; Beus, Maja; Michnová, Hana; Vlainić, Josipa; Persoons, Leentje; Kosalec, Ivan; Jampílek, Josef; Schols, Dominique; Keser, Toma; Zorc, Branka. Asymmetric Primaquine and Halogenaniline Fumardiamides as Novel Biologically Active Michael Acceptors, *Molecules* 23 (2018) 1724, doi:10.3390/molecules23071724.
105. Šimurina, Mirna; de Haan, Noortje; Vučković, Frano; Kennedy, Nicholas A.; Štambuk, Jerko; Falck, David; Trbojević-Akmačić, Irena; Clerc, Florent; Razdorov, Genadij; Khon, Anna et al. Glycosylation of Immunoglobulin G Associates With Clinical Features of Inflammatory Bowel Diseases, *Gastroenterology* (2018) 1320-1333e10, doi:10.1053/j.gastro.2018.01.002.
106. Vadrevu, Surya Kumari; Trbojević-Akmačić, Irena; Kossenkov, Andrew V.; Colomb, Florent; Giron, Leila B.; Anzurez, Alitzel; Lynn, Kenneth; Mounzer, Karam; Landay, Alan L.; Kaplan, Robert C. et al. Frontline science: plasma and immunoglobulin G galactosylation associate with HIV persistence during antiretroviral therapy, *Journal of leukocyte biology* 104 (2018) 461-471, doi:10.1002/jlb.3hi1217-500r.
107. Vitali Čepo, Dubravka; Pelajić, Maja; Vinković Vrček, Ivana; Krivohlavek, Adela; Žuntar, Irena; Karoglan, Marko. Differences in the levels of pesticides, metals, sulphites and ochratoxin A between organically and conventionally produced wines, *Food chemistry* 246 (2018) 394-403, doi:10.1016/j.foodchem.2017.10.133.
108. Marušić, Srećko; Meliš, Petra; Lucijanić, Marko; Grgurević, Ivica; Turčić, Petra; Obreli Neto, Paulo Roque; Bilić-Ćurčić, Ines. Impact of pharmacotherapeutic education on medication adherence and adverse outcomes in patients with type 2 diabetes mellitus: a prospective, randomized study, *Croatian medical journal* 59 (2018) 290-297, doi:10.3325/cmj.2018.59.290.

Publikacije objavljene u 2019.

1. Maračić, Silvija; Lapić, Jasmina; Djaković, Senka; Opačak-Bernardi, Teuta; Glavaš-Obrovac, Ljubica; Vrček, Valerije; Raić-Malić, Silvana. Quinoline and ferrocene conjugates: Synthesis, computational study and biological evaluations, *Applied organometallic chemistry* 33 (2019), e4628, doi:10.1002aoc.4628.
2. Roje, Željka; Ilić, Krunoslav; Galić, Emerik; Pavičić, Ivan; Turčić, Petra; Stanec, Zdenko; Vinković Vrček, Ivana. Synergistic effects of parabens and plastic nanoparticles on proliferation of human breast cancer cells, *Arhiv za higijenu rada i toksikologiju* 70 (2019) 310-314, doi:10.2478aiht-2019-70-3372.
3. Jakšić, Daniela; Kocsbáé, Sándor; Bencsik, Ottó; Kecskeméti, Anita; Szekeres, András; Jelić, Dubravko; Kopjar, Nevenka; Vágvölgyi, Csaba; Varga, János; Šegvić Klarić, Maja. Aflatoxin production and in vitro toxicity of Aspergilli section Flavi isolated from air samples collected from different environments, *Mycotoxin research* 35 (2019) 217-230, doi:10.1007s12550-019-00345-z.
4. Toma, Mateja; Božičević, Lucija; Lapić, Jasmina; Djaković, Senka; Šakić, Davor; Tandarić, Tana; Vianello, Robert; Vrček, Valerije. Transacylation in Ferrocenoyl-Purines. NMR and Computational Study of the Isomerization Mechanism, *Journal of organic chemistry* 84 (2019) 12471-12480, doi:10.1021acs.joc.9b01944.
5. Liu, Jiaonan; Dolikun, Mamatusupu; Štambuk, Jerko; Trbojević-Akmačić, Irena; Zhang, Jie; Zhang, Jinxia; Wang, Hao; Meng, Xiaoni; Razdorov, Genadij; Menon, Desmond et al. Glycomics for type 2 diabetes biomarker discovery: promise of immunoglobulin G subclass-specific fragment crystallizable N-glycosylation in the Uyghur population, *Omics-a journal of integrative biology* 23 (2019) 640-648, doi:10.1089omi.2019.0052.
6. Benković, Goran; Rimac, Hrvoje; Maleš, Željan; Tomić, Siniša; Lončar, Zoran; Bojić, Mirza. Characterization of O-demethylations and aromatic hydroxylations mediated by cytochromes P450 in the metabolism of flavonoid aglycons, *Croatica chemica acta* 92 (2019) 115-123, doi:10.5562cca3528.
7. Kaskatepe, Banu; Sever Yilmaz, Betul; Bahadir Acikara, Ozlem; Saltan Iscan, Gulcin; Vlainić, Josipa; Kosalec, Ivan. Antifungal activity of some Sternbergia taxa: effects on germ tube and biofilm formation, *Brazilian Journal of Pharmaceutical Sciences* 55 (2019) e17200, doi:10.1590s2175-97902019000117200.
8. Bach-Rojecky, Lidija; Vađunec, Dalia; Žunić, Katarina; Kurija, Jelena; Šipicki, Sara; Gregg, Ryan; Mikula, Ivan; Primorac, Dragan. Continuing war on pain: a personalized approach to the therapy with nonsteroidal anti- inflammatory drugs and opioids, *Personalized medicine* 16 (2019) 171-184, doi:10.2217pme-2018-0116.
9. Ochensberger, Sandra; Alperth, Fabian; Mitić, Božena; Kunert, Olaf; Mayer, Stefanie; Ferreira Mourão, Maria; Turek, Ivana; Vlad Luca, Simon; Skalicka-Woźniak, Krystyna; Maleš, Željan; Hruševar, Dario et al. Phenolic compounds of Iris adriatica and their antimycobacterial effects, *Acta pharmaceutica* 69 (2019) 673-681, doi:10.2478acph-2019-0037.
10. Adua, Eric; Memarian, Elham; Russell, Alyce; Trbojević-Akmačić, Irena; Gudelj, Ivan; Jurić, Julija; Roberts, Peter; Lauc, Gordan; Wang, Wei. Utilization of N-glycosylation profiles as risk stratification biomarkers for suboptimal health status and metabolic syndrome in a Ghanaian population, *Biomarkers in Medicine* 13 (2019) 1273-1287, doi:10.2217bmm-2019-0005.
11. Pem, Barbara; Pongrac, Igor M.; Ulm, Lea; Pavičić, Ivan; Vrček, Valerije; Domazet Jurašin, Darija; Ljubojević, Marija; Krivohlavek, Adela; Vinković Vrček, Ivana. Toxicity and safety study of silver and gold nanoparticles functionalized with cysteine and glutathione, *Beilstein journal of nanotechnology* 10 (2019) 1802-1817, doi:10.3762bjnano.10.175.
12. Rudman, Najda; Gornik, Olga; Lauc, Gordan. Altered N-glycosylation profiles as potential biomarkers and drug targets in diabetes, *FEBS letters* 593 (2019) 1598-1615, doi:10.10021873-3468.13495.
13. Madir, Anita; Božin, Tonći; Mikolašević, Ivana; Milić, Sandra; Štimac, Davor; Mijić, Maja; Filipec Kanižaj, Tajana; Biloglav, Zrinka; Lucijanić, Marko; Lucijanić, Iva; Grgurević, Ivica. Epidemiological

- and clinical features of primary biliary cholangitis in two Croatian regions: a retrospective study, *Croatian Medical Journal* 60 (2019) 494-502, doi:10.3325cmj.2019.60.494.
- 14. Sharapov, Sodbo Z.; Tsepilov, Yakov A.; Klarić, Lucija; Mangino, Massimo; Thareja, Gaurav; Shadrina, Alexandra S.; Šimurina, Mirna; Dagostino, Concetta; Dmitrieva, Julia; Vilaj, Marija et al. Defining the genetic control of human blood plasma N-glycome using genome-wide association study, *Human molecular genetics* 28 (2019) 2062-2077, doi:10.1093/hmgddz054.
  - 15. Rašić, Dubravka; Micek, Vedran; Šegvić Klarić, Maja; Peraica, Maja. Oxidative stress as a mechanism of combined OTA and CTN toxicity in rat plasma, liver and kidney, *Human & experimental toxicology* 38 (2019) 434-445, doi:10.11770960327118819049.
  - 16. Adua, Eric; Memarian, Elham; Russell, Alyce; Trbojević-Akmačić, Irena; Gudelj, Ivan; Jurić, Julija; Roberts, Peter; Lauc, Gordan; Wang, Wei. High throughput profiling of whole plasma N-glycans in type II diabetes mellitus patients and healthy individuals: A perspective from a Ghanaian population, *Archives of biochemistry and biophysics* 661 (2019) 10-21, doi:10.1016j.abb.2018.10.015.
  - 17. Nižić, Laura; Ugrina, Ivo; Špoljarić, Drago; Saršon, Vesna; Safundžić Kučuk, Maša; Pepić, Ivan; Hafner, Anita. Innovative sprayable in situ gelling fluticasone suspension: Development and optimization of nasal deposition, *International journal of pharmaceutics* 563 (2019) 445-456, doi:10.1016j.ijpharm.2019.04.015.
  - 18. Radić, Sandra; Domijan, Ana-Marija; Glavaš Ljubimir, Katarina; Maldini, Krešimir; Ivešić, Martina; Peharec Štefanić, Petra; Krivohlavek, Adela. Toxicity of nanosilver and fumonisin B1 and their interactions on duckweed (*Lemna minor* L.), *Chemosphere* 229 (2019) 86-93, doi:10.1016j.chemosphere.2019.05.004.
  - 19. Arenas-Huertero, Francisco; Zaragoza-Ojeda, Montserrat; Sánchez-Alarcón, Juana; Milić, Mirta; Šegvić Klarić, Maja; Montiel-González, Jose M; Valencia-Quintana, Rafael. Involvement of Ahr Pathway in Toxicity of Aflatoxins and Other Mycotoxins, *Frontiers in Microbiology* 10 (2019) 2347, doi:10.3389/fmicb.2019.02347.
  - 20. Jakšić, Daniela; Šegvić Klarić, Maja; Crnolatac, Ivo; Šijaković Vujičić, Nataša; Smrečki, Vilko; Górecki, Marcin; Pescitelli, Gennaro; Piantanida, Ivo. Unique Aggregation of Sterigmatocystin in Water Yields Strong and Specific Circular Dichroism Response Allowing Highly Sensitive and Selective Monitoring of Bio-Relevant Interactions, *Marine drugs* 17 (2019) 629, doi:10.3390/MD17110629.
  - 21. Maleš, Željan; Ledić Drvar, Daniela; Duka, Ivan; Žužul, Kristina. Application of medicinal plants in several dermatovenerological entities, *Acta pharmaceutica* 69 (2019) 525-531, doi:org/102478/acph-2019-0045.
  - 22. Russell, Alyce C.; Kepka, Agnieszka; Trbojević-Akmačić, Irena; Ugrina, Ivo; Song, Manshu; Hui, Jennie; Hunter, Michael; Laws, Simon M.; Lauc, Gordan; Wang, Wei. Increased central adiposity is associated with pro-inflammatory immunoglobulin G N-glycans, *Immunobiology* 224 (2019) 110-115, doi:10.1016j.imbio.2018.10.002.
  - 23. Petruševska, Valentina; Krtalić, Iva; Rašić, Andrea; Mornar, Ana. Development of a robust SFC method for evaluation of compatibility for a novel antituberculotic fixed-dose combination, *Analytical Methods* 11 (2019) 1777-1787, doi:10.1039/C9AY00117D.
  - 24. Suć Sajko, Josipa; Ljoljić Bilić, Vanja; Kosalec, Ivan; Jerić, Ivanka. Multicomponent Approach to a Library of N-Substituted γ-Lactams, *ACS Combinatorial Science* 21 (2019) 28-34, doi:10.1021acscombsci.8b00147.
  - 25. Gerić, Marko; Gajski, Goran; Mihaljević, Branka; Miljanić, Saveta; Domijan, Ana-Marija; Garaj-Vrhovac, Vera. Radioprotective properties of food colorant sodium copper chlorophyllin on human peripheral blood cells in vitro, *Mutation research. Genetic toxicology and environmental mutagenesis* 845 (2019) 403027, doi:10.1016j.mrgentox.2019.02.008.
  - 26. Ciganović, Petar; Jakimiuk, Katarzyna; Tomczyk, Michał; Zovko Končić, Marijana. Glycerolic Licorice Extracts as Active Cosmeceutical Ingredients: Extraction Optimization, Chemical Characterization, and Biological Activity, *Antioxidants* 8 (2019) 445, doi:10.3390/antiox8100445.
  - 27. Margui, Eva; Jablan, Jasna; Gerić, Marko; Inić, Suzana; Domijan, Ana-Marija; Janušić, Renatio; Šarčević, Božena; Queralt, Ignasi; Garaj-Vrhovec, Verica. Critical evaluation of the use of total

- reflection X-ray fluorescence spectrometry for the analysis of whole blood samples: application to patients with thyroid gland diseases, *Analytical and Bioanalytical Chemistry* 411 (2019) 1659-1670, doi:.org101007s00216-019-01618-3.
- 28. Jurišić Dukovski, Bisera; Mrak, Lea; Winnicka, Katarzyna; Szekalska, Marta; Juretić, Marina; Filipović-Grčić, Jelena; Pepić, Ivan; Lovrić, Jasmina; Hafner, Anita. Spray-dried nanoparticle-loaded pectin microspheres for dexamethasone nasal delivery, *Drying technology* 37 (2019) 1915-1925, doi:10.108007373937.2018.1545783.
  - 29. Suhre, Karsten; Trbojević-Akmačić, Irena; Ugrina, Ivo; Mook-Kanamori, Dennis; Spector, Tim; Graumann, Johannes; Lauc, Gordan; Falchi, Mario. Fine-Mapping of the Human Blood Plasma N-Glycome onto Its Proteome, *Metabolites* 9 (2019) 122, doi:10.3390metabo9070122.
  - 30. Hulina-Tomašković, Andrea; Grdić Rajković, Marija; Jelić, Dubravko; Bosnar, Martina; Sladoljev, Lucija; Žanić Grubišić, Tihana; Rumora, Lada. Pro-inflammatory effects of extracellular Hsp70 on NCI-H292 human bronchial epithelial cell line, *International journal of experimental pathology* 100 (2019) 320-329, doi:10.1111iep.12335.
  - 31. Šonjić, Pavica; Nikler, Ana; Vuljanić, Dora; Dukić, Lora; Šimundić, Ana-Maria. Clinician's opinion about critical risk results proposed by the Croatian Chamber of Medical Biochemists, *Biochimia Medica: The journal of The Croatian Society of Medical Biochemistry and Laboratory Medicine* 29 (2019) 030711, doi:10.11613bm.2019.030711.
  - 32. Pelajić, Maja; Pelajić, Izidor; Mutavdžić Pavlović, Dragana; Vitali Čepo, Dubravka. GC-MS modified quechers method for multiresidue pesticide determination in red wine, *Croatica chemica acta* 92 (2019) 419-428, doi:10.5562cca3552.
  - 33. Dojder, Ana; Vuljanić, Dora; Špoljarić, Valentina; Saračević, Andrea; Dukić, Lora; Leniček-Krleža, Jasna; Vlašić-Tanasković, Jelena; Maradin, Ivana; Grzunov, Ana; Šimundić, Ana-Maria. Reporting categories in urine test strip analysis: Croatian survey and call for action, *Biochimia Medica* 29 (2019) 020709, doi:10.11613bm.2018.020709.
  - 34. Šutić, Antonia; Romić, Marieta Duvnjak; Miočić, Sandra; Cetina-Čižmek, Biserka. Development of analytical method for in vitro release testing of dexamethasone nanosuspensions, *Dissolution Technologies* 26 (2019) 40-46, doi:10.14227dt260219p40.
  - 35. Menghini, Luigi; Recinella, Lucia; Leone, Sheila; Chiavaroli, Annalisa; Cicala, Carla; Brunetti, Luigi; Vladimir-Knežević, Sanda; Orlando, Giustino; Ferrante, Claudio. Devil's claw (*Harpagophytum procumbens*) and chronic inflammatory diseases: A concise overview on preclinical and clinical data, *PTR. Phytotherapy research* 33 (2019) 2152-2162, doi:10.1002ptr.6395.
  - 36. Duvnjak Romić, Marieta; Sušac, Anja; Lovrić, Jasmina; Cetina-Čižmek, Biserka; Filipović-Grčić, Jelena; Hafner, Anita. Evaluation of stability and in vitro wound healing potential of melatonin loaded (lipid enriched) chitosan based microspheres, *Acta pharmaceutica* 69 (2019) 635-648, doi:10.2478acph-2019-0049.
  - 37. Jablonski, Artur; Kowalczyk, Aleksandra; Fik, Marta; Trzybinski, Damian; Wozniak, Krzysztof; Vinogradova, Katerina; Glinska, Slava; Vrček, Valerije; Czerwieniec, Rafal; Kowalski, Konrad. Anthracene-thymine luminophores: Synthesis, photophysical properties, and imaging in living HeLa cells, *Dyes and pigments* 170 (2019) 107554-107565, doi:10.1016j.dyepig.2019.107554.
  - 38. Dodig, Slavica; Čepelak Dodig, Daniela; Pavić, Ivan. Moguće posljedice rane izloženosti endokrinim disruptorima, *Paediatria Croatica* 63 (2019) 153-159, doi:10.13112PC.2019.33.
  - 39. Jurišić Dukovski, Bisera; Bračko, Ana; Šare, Marija; Pepić, Ivan; Lovrić, Jasmina. In vitro evaluation of stearylamine cationic nanoemulsions for improved ocular drug delivery, *Acta Pharmaceutica* 69 (2019) 621-634, doi:10.2478acph-2019-0054.
  - 40. Duvnjak Romić, Marieta; Špoljarić, Drago; Šegvić Klarić, Maja; Cetina-Čižmek, Biserka; Filipović-Grčić, Jelena; Hafner, Anita. Melatonin loaded lipid enriched chitosan microspheres – Hybrid dressing for moderate exuding wounds, *Journal of drug delivery science and technology* 52 (2019) 431-439, doi:10.1016j.jddst.2019.05.004.

41. Alperth, Fabian; Mitić, Božena; Mayer, Stefanie; Maleš, Željan; Kunert, Olaf; Hruševan, Dario; Bucar, Franz. Metabolic profiling of rhizomes of native populations of the strictly endemic Croatian species Iris adriatica, *Plant biosystems* 153 (2019) 317-324, doi:10.108011263504.2018.1478906.
42. Babić, Ivana; Bojić, Mirza; Maleš, Željan; Zadro, Renata; Gojčeta, Koraljka; Duka, Ivan; Rimac, Hrvoje; Jukić, Irena. Influence of flavonoids' lipophilicity on platelet aggregation, *Acta pharmaceutica* 69 (2019) 607-619, doi:10.2478acph-2019-0040.
43. Beus, Maja; Fontinha, Diana; Held, Jana; Rajić, Zrinka; Prudêncio, Miguel; Zorc, Branka. Synthesis and antiplasmodial evaluation of novel mefloquine-based fumardiamides, *Acta pharmaceutica* 69 (2019) 233-248, doi:10.2478acph-2019-0019.
44. Ćelap, Ivana; Nikolac Gabaj, Nora; Demarin, Vida; Bašić Kes, Vanja; Šimundić, Ana-Maria. Genetic and lifestyle predictors of ischemic stroke severity and outcome, *Neurological sciences* 40 (2019) 2565-2572, doi:10.1007s10072-019-04006-y.
45. Ledić Drvar, Daniela; Vlahinić, Tomislav; Maleš, Željan; Turčić, Petra; Čeović, Romana. Modern approach to the treatment of plaque psoriasis, *Acta pharmaceutica* 69 (2019) 511-523, doi:10.2478acph-2019-0047.
46. Hulina-Tomašković, Andrea; Somborac-Bačura, Anita; Grdić Rajković, Marija; Bosnar, Martina; Samaržija, Miroslav; Rumora, Lada. Effects of extracellular Hsp70 and cigarette smoke on differentiated THP-1 cells and human monocyte-derived macrophages, *Molecular immunology* 111 (2019) 53-63, doi:10.1016j.molimm.2019.04.002.
47. Colomb, Florent; Giron, Leila B.; Trbojević-Akmačić, Irena; Lauc, Gordan; Abdel-Mohsen, Mohamed. Breaking the Glyco-Code of HIV Persistence and Immunopathogenesis, *Current HIV/AIDS Reports* 16 (2019) 151-168, doi:10.1007s11904-019-00433-w.
48. Štambuk, Nikola; Konjevoda, Paško; Turčić, Petra; Šošić Hrvoje; Aralica, Gorana; Babić, Damir; Seiwerth, Sven; Kaštelan, Željko; Novak Kujundžić, Renata; Wardega, Piotr et al. Targeting Tumor Markers with Antisense Peptides: An Example of Human Prostate Specific Antigen, *International Journal of Molecular Sciences* 20 (2019) 2090, doi:10.3390ijms20092090.
49. Moebius, Susanne; Schenk, Thomas; Himsel, Danny; Maier, Jacqueline; Franke, Georg-Nikolaus; Saussele, Susanne; Pott, Christiane; Andrikovics, Hajnalka; Meggyesi, Nora; Machova-Polakova, Katerina et al. Results of the European survey on the assessment of deep molecular response in chronic phase CML patients during tyrosine kinase inhibitor therapy (EUREKA registry), *Journal of Cancer Research and Clinical Oncology* 145 (2019) 1645-1650, doi: 10.1007/s00432-019-02910-6.
50. Jurmanović, Sanja; Jug, Mario; Safner, Toni; Radić, Kristina; Domijan, Ana-Marija; Pedisić, Sandra; Šimić, Sanja; Jablan, Jasna; Vitali Čepo, Dubravka. Utilization of olive pomace as a source of polyphenols : Optimization of microwave-assisted extraction and characterization of spray-dried extract, *Journal of food and nutrition research* 58 (2019) 51-62.
51. Čeri, Andrea; Pavić, Marina; Horvat, Ivana; Radić Antolić, Margareta; Zadro, Renata. Development and validation of a rapid method for genotyping three P-selectin gene polymorphisms based on high resolution melting analysis, *Journal of clinical laboratory analysis* 33 (2019) e22698, doi:10.1002jcla.22698.
52. Karković Marković, Ana; Torić, Jelena; Barbarić, Monika; Jakobušić Brala, Cvijeta. Hydroxytyrosol, Tyrosol and Derivatives and Their Potential Effects on Human Health, *Molecules* 24 (2019) 2001, doi:10.3390molecules24102001.
53. Wang, Hao; Li, Xingang; Wang, Xueqing; Liu, Di; Zhang, Xiaoyu; Cao, Weijie; Zheng, Yulu; Guo, Zheng; Li, Dong; Xing, Weijia et al. Next-generation (glycomic) biomarkers for cardiometabolic health: a community-based study of immunoglobulin G N-glycans in a Chinese Han population, *Omics-a journal of integrative biology* 23 (2019) 649-659, doi:10.1089/omi.2019.0099.
54. Ternullo, Selenia; Gagnat, Eivind; Julin, Kjersti; Johannessen, Mona; Basnet, Purusotam; Vanić, Željka; Škalko-Basnet, Nataša. Liposomes augment biological benefits of curcumin for multitargeted skin therapy, *European journal of pharmaceuticals and biopharmaceutics* 144 (2019) 154-164, doi:10.1016/j.ejpb.2019.09.016.

55. Šostarić, Milica; Bokulić, Adriana; Marijančević, Domagoj; Zec, Ivana. Optimizing laboratory defined macroprolactin algorithm, *Biochimia medica* 29 (2019) 346-351, doi:10.11613bm.2019.020706.
56. Sarin, Heikki V.; Gudelj, Ivan; Honkanen, Jarno; Ihlainen, Johanna K.; Vuorela, Arja; Lee, Joseph H.; Jin, Zhenzhen; Terwilliger, Joseph D.; Isola, Ville; Ahtainen, Juha P. et al. Molecular pathways mediating immunosuppression in response to prolonged intensive physical training, low-energy availability, and intensive weight loss, *Frontiers in Immunology* 10 (2019) 907, doi:10.3389/fimmu.2019.00907.
57. Fričić, Maja; Jerković, Igor; Marijanović, Zvonimir; Dragović, Sanja; Hazler Pilepić, Kroata; Maleš, Željan. Essential Oil Composition of Different Plant Parts from Croatian Petasites albus (L.) GAERTN. and P. hybridus (L.) G.GAERTN., B.MEY. & SCHERB. (Asteraceae), *Chemistry & biodiversity* 16 (2019) e1800531, doi:10.1002/cbdv.201800531.
58. Bolarić, Snježana; Dunkić, Valerija; Bezić, Nada; Kremer, Dario; Karlović, Ksenija; Tuković, Alenka; Jelak, Larisa; Srećec, Siniša. Influence of Geographic Position, Leaf Surface and Genetic Variability on Content of Total Essential Oils in 12 Distinct Population of Bay Laurel (*Laurus nobilis* L.), *ACS - Agriculturae conspectus scientificus* 84 (2019) 83-89.
59. Verbanac, Donatella; Maleš, Željan; Barišić, Karmela. Nutrition – facts and myths, *Acta pharmaceutica* 69 (2019) 497-510, doi:10.2478/acph-2019-0051.
60. Pavičić, Tomislav; Ćelap, Ivana; Njegovan, Milena; Tešija Kuna, Andrea; Štefanović, Mario. α-1 Antitrypsin Genotype-Phenotype Discrepancy in a 42-Year-Old Man Who Carries the Null-Allele, *Laboratory medicine* 50 (2019) 31583408, doi:10.1093/labmed/lmz059.
61. Antolić, Katarina; Juretić, Marina; Jurišić Dukovski, Bisera; Hafner, Anita; Lovrić, Jasmina; Pepić, Ivan. Cryocornea – toward enhancing the capacity and throughput of ex vivo corneal model, *Drug development and industrial pharmacy* 45 (2019) 1856-1861, doi:10.108003639045.2019.1672713.
62. Hok, Lucija; Božičević, Lucija; Sremec, Helena; Šakić, Davor; Vrček, Valerije. Racemization of oxazepam and chiral 1, 4-benzodiazepines. DFT study of the reaction mechanism in aqueous solution, *Organic & biomolecular chemistry* 17 (2019) 1471-1479, doi:10.1039C8OB02991A.
63. Šegulja, Dragana; Matišić, Danica; Barišić, Karmela; Rogić, Dunja. Verification study of free light chains assays on reagent-optimized analysers, *Biochimia medica* 29 (2019) 579-586, doi:10.11613bm.2019.030709.
64. Šabanović, Marizela; Jašić, Midhat; Odobašić, Omer; Spasenska Aleksovska, Emilija; Pavljašević, Suzana; Bajraktarević, Amila; Vitali Čepo, Dubravka. Alpha-lipoic acid reduces symptoms and inflammation biomarkers in patients with chronic haemorrhoidal illness, *International journal for vitamin and nutrition research* 1 (2019) 1-10, doi:10.10240300-9831a000251.
65. Sučić, Mirna; Ljubić, Nives; Županić Krmek, Dubravka; Perković, Leila; Ivanović, Dunja; Magazin, Maja; Frković Solomun, Gina. Immunoexpression of 5-methylcytosine (5mc) in Bone Marrow Haematopoietic Cells in Patients with Myelodysplastic Syndromes, *Annals of clinical and laboratory science* 49 (2019) 810-817.
66. Kindl, Marija; Bucar, Franz; Jelić, Dubravko; Brajša, Karmen; Blažeković, Biljana; Vladimir-Knežević, Sanda. Comparative study of polyphenolic composition and anti-inflammatory activity of Thymus species, *European food research and technology* 245 (2019) 1951-1962, doi:10.1007s00217-019-03297-x.
67. Vanić, Željka; Rukavina, Zora; Manner, Suvi; Fallarero, Adyary; Uzelac, Lidija; Kralj, Marijeta; Amidžić Klarić, Daniela; Bogdanov, Anita; Raffai, Tímea; Virok, Dezső Peter et al. Azithromycin-liposomes as a novel approach for localized therapy of cervicovaginal bacterial infections, *International Journal of Nanomedicine* 14 (2019) 5957-5976, doi:10.2147IJN.S211691.
68. Brusač, Edvin; Jeličić, Mario-Livio; Amidžić Klarić, Daniela; Mornar, Ana. Miniaturized shake-flask HPLC method for determination of distribution coefficient of drugs used in inflammatory bowel diseases, *Acta pharmaceutica* 69 (2019) 649-660, doi:10.2478/acph-2019-0046.
69. Falamić, Slaven; Lucijanić, Marko; Ortner-Hadžiabdić, Maja; Marušić, Srećko; Bačić Vrca, Vesna. Pharmacists' influence on adverse reactions to warfarin: a randomised controlled trial in elderly rural

- patients, International Journal of Clinical Pharmacy 41 (2019) 1166-1173, doi:10.1007s11096-019-00894-4.
- 70. Marijan, Marijan; Jurić, Sandra; Mihalić, Zlatko; Kronja, Olga. Impact of the α-Ferrocenyl Group on the Solvolytic Reactivity - Electrofugality - of Ferrocenylphenylmethyl Cations, European journal of organic chemistry 2019 (2019) 537-546, doi:10.1002ejoc.201801133.
  - 71. Meznarić, Marija; Fumić, Ksenija; Leonardis, Lea. Selective screening of late-onset Pompe disease (LOPD) in patients with non-diagnostic muscle biopsies, Journal of clinical pathology 72 (2019) 468-472, doi:10.1136/jclinpath-2018-205446.
  - 72. Josipović, Goran; Tadić, Vanja; Klasić, Marija; Zanki, Vladimir; Bečeheli, Ivona; Chung, Felicia; Ghantous, Akram; Keser, Toma; Madunić, Josip; Bošković, Maria et al. Antagonistic and synergistic epigenetic modulation using orthologous CRISPR dCas9-based modular system, Nucleic acids research 47 (2019) 9637-9657, doi:10.1093nargkz709.
  - 73. Grgurević, Ivica; Salkić, Nermin; Božin, Tonči; Mustapić, Sanda; Matić, Vladimir; Dumić-Čule, Ivo; Drinković, Ida Tješić; Bokun, Tomislav. Magnitude dependent discordance in liver stiffness measurements using elastography point quantification with transient elastography as the reference test, European radiology 29 (2019) 2448-2456, doi:10.1007/s00330-018-5831-2.
  - 74. Ferrante, Claudio; Recinella, Lucia; Ronci, Maurizio; Orlando, Giustino; Di Simone, Simonetta; Brunetti, Luigi; Chiavaroli, Annalisa; Leone, Sheila; Politi, Matteo; Tirillini, Bruno et al. Protective effects induced by alcoholic Phlomis fruticosa and Phlomis herba-venti extracts in isolated rat colon: Focus on antioxidant, anti-inflammatory, and antimicrobial activities in vitro, PTR. Phytotherapy research 33 (2019) 2387-2400, doi:10.1002ptr.6429.
  - 75. Grgurević, Ivica; Drinković, Ida Tješić; Pinzani, Massimo. Multiparametric ultrasound in liver diseases: an overview for the practising clinician, Postgraduate medical journal 95 (2019) 1126; 425-432, doi: 10.1136/postgradmedj-2018-136111.
  - 76. Kowalski, Konrad; Skiba, Joanna; Kowalczyk, Aleksandra; Fik, Marta Anna; Gapińska, Magdalena; Trzybiński, Damian; Wozniak, Krzysztof; Vrček, Valerije; Czerwieniec, Rafał. Luminescent pyrenyl-GNA nucleosides: synthesis, photophysics and confocal microscopy studies in cancer HeLa cells, Photochemical & photobiological sciences 18 (2019) 2449-2460, doi:10.1039C9PP00271E.
  - 77. Mirošević Skvrce, Nikica; Galić, Iva; Pacadi, Carmen; Kandžija, Neva; Mucalo, Iva. Adverse drug reactions that arise from the use of medicinal products outside the terms of the marketing authorisation, Research in Social and Administrative Pharmacy 18 (2019) 1551-7411, doi:10.1016j.sapharm.2019.10.003.
  - 78. Putnik, Predrag; Kresoja, Željka; Bosiljkov, Tomislav; Režek Jambrak, Anet; Barba, Francisco J.; Lorenzo, Jose M.; Roohinejad, Shahin; Granato, Daniel; Žuntar, Irena; Bursać Kovačević, Danijela. Comparing the effects of thermal and non-thermal technologies on pomegranate juice quality: A review, Food chemistry 279 (2019) 150-161, doi:10.1016j.foodchem.2018.11.131.
  - 79. Gerić, Marko; Gajski, Goran; Domijan, Ana-Marija; Garaj-Vrhovac, Vera; Filipić, Metka; Zegura, Bojana. Genotoxic effects of neurotoxin beta-N-methylamino-L-alanine in human peripheral blood cells, Chemosphere 214 (2019) 623-632, doi:10.1016/j.chemosphere.2018.09.155.
  - 80. Švob Štrac, Dubravka; Nedić Erjavec, Gordana; Nikolac Perković, Matea; Nenadić-Šviglin, Korona; Konjevod, Marcela; Grubor, Mirko; Pivac, Nela. The association between HTR1B gene rs13212041 polymorphism and onset of alcohol abuse, Neuropsychiatric Disease and Treatment 15 (2019) 339-347, doi:10.2147NDT.S191457.
  - 81. Dodig, Slavica; Čepelak, Ivana; Pavić, Ivan. Hallmarks of senescence and aging, Biochimia Medica: The journal of The Croatian Society of Medical Biochemistry and Laboratory Medicine 29 (2019) 030501, doi:10.11613BM.2019.030501.
  - 82. Oršolić, Nada; Landeka Jurčević, Irena; Đikić, Domagoj; Rogić, Dunja; Odeh, Dyana; Balta, Vedran; Perak Junakovć, Eleonora; Terzić, Svjetlana; Jutrić, David. Effect of Propolis on Diet-Induced Hyperlipidemia and Atherogenic Indices in Mice, Antioxidants 8 (2019) 1-22, doi:10.3390antiox8060156.

83. Markotić, Antonio; Langer, Sanja; Kelava, Tomislav; Vučić, Katarina; Turčić, Petra; Tokić, Tomislav; Štefančić, Ljilja; Radetić, Eva; Farrington, Susan; Timofeeva, Maria et al. Higher Post-Operative Serum Vitamin D Level is Associated with Better Survival Outcome in Colorectal Cancer Patients, *Nutrition and cancer* 71 (2019) 1078-1085, doi:10.108001635581.2019.1597135.
84. Matak, Ivica; Bölcseki, Kata; Helyes, Zsuzsanna; Bach-Rojecky, Lidija. Mechanisms of Botulinum Toxin Type A Action on Pain, *Toxins* 11 (2019) 459, doi:10.3390/toxins11080459.
85. Beus, Maja; Fontinha, Diana; Held, Jana; Rajić, Zrinka; Uzelac, Lidija; Kralj, Marijeta; Prudêncio, Miguel; Zorc, Branka. Primaquine and Chloroquine Fumardiamides as Promising Antiplasmodial Agents, *Molecules* 24 (2019) 2812, doi:10.3390/molecules24152812.
86. Pavić, Eva; Ortner Hadžiabdić, Maja; Mucalo, Iva; Martinis, Irena; Romić, Željko; Božikov, Velimir; Rahelić, Dario. Effect of the Mediterranean diet in combination with exercise on metabolic syndrome parameters: 1-year randomized controlled trial, *International journal for vitamin and nutrition research* 89 (2019) 132-143, doi:10.10240300-9831a000462.
87. Vuko, Elma; Rusak, Gordana; Dunkić, Valerija; Kremer, Dario; Kosalec, Ivan; Rađa, Biljana; Bezić, Nada. Inhibition of Satellite RNA Associated Cucumber Mosaic Virus Infection by Essential Oil of *Micromeria croatica* (Pers.) Schott, *Molecules* 24 (2019) 1342, doi:10.3390/molecules24071342.
88. Gajski, Goran; Gerić, Marko; Domijan, Ana-Marija; Gloubović, Ivana; Garaj-Vrhovac, Vera. Evaluation of oxidative stress responses in human circulating blood cells after imatinib mesylate treatment – implications to its mechanism of action, *Saudi pharmaceutical journal* 27 (2019) 1216-1221, doi:.org101016j.jps.2019.10.005.
89. Horvat, Ivana; Boban, Ana; Zadro, Renata; Radić Antolić, Margareta; Serventi-Seiwerth, Ranka; Rončević, Pavle; Radman, Ivo; Sertić, Dubravka; Vodanović, Marijo; Pulanić, Dražen et al. Influence of blood count, cardiovascular risks, inherited thrombophilia, and JAK2 V617F burden allele on type of thrombosis in patients with Philadelphia chromosome negative myeloproliferative neoplasms, *Clinical lymphoma myeloma & leukemia* 19 (2019) 53-63, doi:10.1016j.clml.2018.08.020.
90. Bojić, Mirza; Maleš, Željan; Antolić, Andrea; Babić, Ivana; Tomičić, Maja. Antithrombotic activity of flavonoids and polyphenols rich plant species, *Acta pharmaceutica* 69 (2019) 483-495, doi:10.2478acph-2019-0050.
91. Hulina-Tomašković, Andrea; Heijink, Hrene; Jonker, Marnix; Somborac-Baćura, Anita; Grdić Rajković, Marija; Rumora, Lada. Pro-inflammatory effects of extracellular Hsp70 and cigarette smoke in primary airway epithelial cells from COPD patients, *Biochimie* 156 (2019) 47-58, doi:10.1016j.biochi.2018.09.010.
92. Rašić, Dubravka; Želježić, Davor; Kopjar, Nevenka; Kifer, Domagoj; Šegvić Klarić, Maja; Peraica, Maja. DNA damage in rat kidneys and liver upon subchronic exposure to single and combined ochratoxin A and citrinin, *World Mycotoxin Journal* 12 (2019) 163-172, doi:10.3920/WMJ2018.2399.
93. Borić, Igor; Hudetz, Damir; Rod, Eduard; Jeleč, Željko; Vrdoljak, Trpimir; Skelin, Andrea; Polašek, Ozren; Plečko, Mihovil; Trbojević-Akmačić, Irena; Lauc, Gordan; Primorac, Dragan. A 24-month follow-up study of the effect of intra-articular injection of autologous microfragmented fat tissue on proteoglycan synthesis in patients with knee osteoarthritis, *Genes* 10 (2019) 12, doi:10.3390genes10121051.
94. Bojić, Mirza; Kondža, Martin; Rimac, Hrvoje; Benković, Goran; Maleš, Željan. The Effect of Flavonoid Aglycones on the CYP1A2, CYP2A6, CYP2C8 and CYP2D6 Enzymes Activity, *Molecules* 24 (2019) 3174, doi:10.3390/molecules24173174.
95. Lasić, Kornelija; Bokulić, Ana; Milić, Astrid; Nigović, Biljana; Mornar, Ana. Lipophilicity and biomimetic properties determination of phytoestrogens using ultra- high-performance liquid chromatography, *Biomedical chromatography* 33 (2019) e4551, doi:10.1002/bmc.4551.
96. Radulović, Bojana; Potočnjak, Ines; Dokoza Terešak, Sanda; Trbušić, Matias; Vrkić, Nada; Huršidić Radulović, Azra; Starčević, Neven; Milošević, Milan; Degoricija, Vesna; Frank, Saša. Cholesterol and chloride in acute heart failure, *Acta clinica Croatica* 58 (2019) 195-201, doi:10.20471/acc.2019.58.02.01.

97. Reiding, Karli R.; Bondt, Albert; Hennig, René; Gardner, Richard A.; O'Flaherty, Roisin; Trbojević-Akmačić, Irena; Shubhakar, Archana; Hazes, Johanna M. W.; Reichl, Udo; Fernandes, Daryl L. et al. High-throughput Serum N-Glycomics: Method Comparison and Application to Study Rheumatoid Arthritis and Pregnancy-associated Changes, *Molecular & cellular proteomics* 18 (2019) 3-15, doi:10.1074/mcp.ra117.000454.
98. Solarić, Mladen; Fröbe, Ana; Huić, Dražen; Zahirović, Dag; Kaštelan, Željko; Bulimbašić, Stela; Tomašković, Igor; Kuliš, Tomislav; Gamulin, Marija; Jakšić, Blanka et al. Smjernice za dijagnosticiranje, liječenje i praćenje bolesnika s rakom prostate, *Liječnički vjesnik : glasilo Hrvatskoga liječničkog zbora* 141 (2019) 313-325, doi:10.26800LV-141-11-12-41.
99. Bruno-Tomé, Andreia; Ortner Hadžiabdić, Maja; Mucalo, Iva; Rennie, Timothy. Competency (and beyond): Think patient. Collaborate. Develop. Evaluate. Improve. Repeat., *Pharmacy* 7 (2019) 146, doi:10.3390/pharmacy7040146.
100. Kozolek, Mirko; Alcarob, Stefano; Augustijns, Patrick; Basit, Abdul W.; Grimm, Michael; Hens, Bart; Hoad, Caroline L.; Jedamzik, Philipp; Madla, Christine M.; Maliepaard, Marc et al. The mechanisms of pharmacokinetic food-drug interactions – A perspective from the UNGAP group, *European Journal of Pharmaceutical Sciences* 134 (2019) 31-59, doi:10.1016j.ejps.2019.04.003.
101. Fumić, Barbara; Jug, Mario; Zovko Končić, Marijana. Optimization of Ultrasound-Assisted Extraction of Phenolic Antioxidants from *Lotus corniculatus*, *Croatica Chemica Acta* 92 (2019) 1-9, doi:10.5562/cca3549.
102. Čepelak, Ivana; Dodig, Slavica; Pavić, Ivan. Filaggrin and atopic march, *Biochémia Medica: The journal of The Croatian Society of Medical Biochemistry and Laboratory Medicine* 29 (2019) 020501, doi:10.11613/BM.2019.020501.
103. Li, Xingang; Wang, Hao; Russell, Alyce; Cao, Weijie; Wang, Xueqing; Ge, Siqi; Zheng, Yulu; Guo, Zheng; Hou, Haifeng; Song, Manshu et al. Type 2 Diabetes Mellitus is Associated with the Immunoglobulin G N-Glycome through Putative Proinflammatory Mechanisms in an Australian Population, *Omics-a journal of integrative biology* 23 (2019) 631-639, doi:10.1089/omi.2019.0075.
104. Hlapčić, Iva; Hulina-Tomašković, Andrea; Somborac-Baćura, Anita; Grdić Rajković, Marija; Vukić Dugac, Andrea; Popović-Grle, Sanja; Rumora, Lada. Extracellular adenosine triphosphate is associated with airflow limitation severity and symptoms burden in patients with chronic obstructive pulmonary disease, *Scientific reports* 9 (2019) 15349, doi:10.1038s41598-019-51855-w.
105. Tomić, Ivona; Juretić, Marina; Jug, Mario; Pepić, Ivan; Cetina Čižmek, Biserka; Filipović-Grčić, Jelena. Preparation of in situ hydrogels loaded with azelaic acid nanocrystals and their dermal application performance study, *International journal of pharmaceutics* 563 (2019) 249-258, doi:10.1016j.ijpharm.2019.04.016.
106. Nigović, Biljana; Vlak, Jakov. Simultaneous Monitoring of Febuxostat and Uric Acid in Human Serum Samples Using the Direct Square-Wave Voltammetric Method, *Current analytical chemistry* 15 (2019) 678-684, doi:10.21741573411014666180730112905.
107. Miletić, Manuela; Bingulac-Popović, Jasna; Stojić Vidović, Miljana; Hećimović, Ana; Berendika, Mirka; Babić, Ivana; Đogić, Vesna; Samardžija, Marko; Barišić, Karmela; Jukić, Irena; Mihaljević, Ivanka. Anti-HBc prevalence among Croatian blood donors over a 14-years period (2004-2017): Assessment of trends, risks and need for implementing routine testing, *Transfusion clinique et biologique* 26 (2019) 257-262, doi:10.1016j.tracli.2019.05.001.
108. Polović, Saša; Ljoljić Bilić, Vanja; Budimir, Ana; Kontrec, Darko; Galić, Nives; Kosalec, Ivan. Antimicrobial assesment of aroylhydrazone derivatives in vitro, *Acta pharmaceutica* 69 (2019) 277-285, doi:10.2478acph-2019-0020.
109. Axford, John; Alavi, Azita; Cummings, Rick; Lauc, Gordan; Opdenakker, Ghislain; Reis, Celso; Rudd, Pauline. Translational glycobiology: from bench to bedside, *Journal of the royal society of medicine* 112 (2019) 424-427, doi:10.1177/0141076819865863.

110. Krečak, Ivan; Gverić-Krečak, Velka; Lapić, Ivana; Rončević, Pavle; Gulin, Josipa; Fumić, Ksenija; Holik, Hrvoje; Duraković, Nadira. Circulating YKL-40 in Philadelphia-negative myeloproliferative neoplasms, *Acta clinica belgica* 76 (2019) 32-39, doi:10.1080/17843286.2019.1659467.
111. Domijan, Ana-Marija; Marjanović Čermak, Ana Marija; Vulić, Ana; Tartaro Bujak, Ivana; Pavičić, Ivan; Pleadin, Jelka; Markov, Ksenija; Mihaljević, Branka. Cytotoxicity of gamma irradiated aflatoxin B1 and ochratoxin A, *Journal of environmental science and health. Part B: pesticides, food contaminants, and agricultural wastes* 54 (2019) 155-162, doi:10.108003601234.2018.1536578.
112. Torić, Jelena; Karković Marković, Ana; Jakobušić Brala, Cvijeta; Barbarić, Monika. Anticancer effects of olive oil polyphenols and their combinations with anticancer drugs, *Acta pharmaceutica* 69 (2019) 461-482, doi:10.2478/acph-2019-0052.
113. Pensa, Evangelina; Karpowicz, Rafal; Jabłoński, Artur; Trzybiński, Damian; Woźniak, Krzysztof; Šakić, Davor; Vrček, Valerije; Long, Nicholas J.; Albrecht, Tim; Kowalski, Konrad. Gold-Induced Desulfurization in a Bis(ferrocenyl) Alkane Dithiol, *Organometallics* 38 (2019) 2227-2232, doi:10.1021acs.organomet.9b00175.
114. Zorc, Branka; Perković, Ivana; Pavić, Kristina; Rajić, Zrinka; Beus, Maja. Primaquine derivatives: Modifications of the terminal amino group, *European journal of medicinal chemistry* 182 (2019) 111640, doi:10.1016j.ejmech.2019.111640.
115. Ristić, Tijana; Peršin, Zdenka; Kosalec, Ivan; Kralj Kunčič, Marjetka; Fras Zemljič, Lidija. The evaluation of the in vitro antimicrobial properties of fibers functionalized by chitosan nanoparticles, *Textile research journal* 89 (2019) 748-761, doi:10.11770040517518755785.
116. Ozretić, Petar; da Silva Filho, Miguel Inacio; Catalano, Calogerina; Sokolović, Irena; Vukić-Dugac, Andrea; Šutić, Maja; Kurtović, Matea; Bubanović, Gordana; Popović-Grtle, Sanja; Skrinjarić-Cincar, Sanda et al. Association of NLRP1 Coding Polymorphism with Lung Function and Serum IL-1β Concentration in Patients Diagnosed with Chronic Obstructive Pulmonary Disease (COPD), *Genes* 10 (2019) 783, doi:10.3390genes10100783.
117. Tijardović, Marko; Marijančević, Domagoj; Bok, Daniel; Kifer, Domagoj; Lauc, Gordan; Gornik, Olga; Keser, Toma. Intense physical exercise induces an anti-inflammatory change in IgG N-glycosylation profile, *Frontiers in Physiology* 10 (2019) 1522, doi:10.3389/fphys.2019.01522.
118. Vuletić, Lucija; Herceg, Marina; Ferderber, Kristina; Tunjić, Iva; Rizea-Savu, Simona; Duna, Simona Nicoleta; Cetina-Čižmek, Biserka; Filipović-Grčić, Jelena. Single-dose pharmacokinetic properties and relative bioavailability of different formulations of posaconazole oral suspension in healthy volunteers, *Clinical pharmacology in drug development* 8 (2019) 827-836, doi:10.1002cpdd.636.
119. Stepanić, Višnja; Matijašić, Mario; Horvat, Tea; Verbanac, Donatella; Kučerová-Chlupáčová, Marta; Saso, Luciano; Žarković, Neven. Antioxidant Activities of Alkyl Substituted Pyrazine Derivatives of Chalcones - In Vitro and In Silico Study, *Antioxidants* 8 (2019) 90-102, doi:10.3390antiox8040090.
120. Bračić, Matej; Šauperl, Olivera; Strnad, Simona; Plohl, Olivia; Kosalec, Ivan; Fras Zemljič, Lidija. Surface Modification of Silicone with Colloidal Polysaccharides Formulations for the Development of Antimicrobial Urethral Catheters, *Applied surface science* 463 (2019) 889-899, doi:10.1016j.apsusc.2018.09.015.
121. Hanić, Maja; Trbojević-Akmačić, Irena; Lauc, Gordan. Inflammatory bowel disease - glycomics perspective, *Biochimica et biophysica acta. G, General subjects* 1863 (2019) 1595-1601, doi:10.1016j.bbagen.2019.07.001.
122. Pavić, Mirela; Turčić, Petra; Ljubojević, Marija. Forgotten partners and function regulators of inducible metallothioneins, *Arhiv za higijenu rada i toksikologiju* 70 (2019) 256-264, doi:10.2478aiht-2019-70-3317.
123. Jerković, Igor; Maleš, Željan; Friščić, Maja. Actualities in the phytochemical research on selected terpenes, *Acta Pharmaceutica* 69 (2019) 533-540, doi:10.2478acph-2019-0036.
124. Brajković, Andrea; Mucalo, Iva; Vidović, Toni; Gonzaga, Martins Do Nascimento, Mariana; Balenović, Antonija; Protrka, Ino; De Oliveira, Djenane Ramalho. Implementation of medication management services at the primary healthcare level – a pilot study, *Acta Pharmaceutica* 69 (2019) 585-606, doi:10.2478acph-2019-0055.

125. Peng, Jun; Vongpatanasin, Wanpen; Sacharidou, Anastasia; Kifer, Domagoj; Yuhanna, Ivan S.; Banerjee, Subhashis; Tanigaki, Keiji; Polasek, Ozren; Chu, Haiyan; Sundgren, Nathan C. et al. Supplementation With the Sialic Acid Precursor N-Acetyl-D-Mannosamine Breaks the Link Between Obesity and Hypertension, *Circulation* 140 (2019) 2005-2018, doi:10.1161/circulationaha.119.043490.
126. Jadrijević-Mladar Takač, Milena; Magina, Joao Daniel Casimiro; Takač, Tin. Evaluation of Entactogens of Phenylethylamine Type and their Metabolites Relevant to Ecotoxicity – a QSAR Study, *Acta pharmaceutica* 69 (2019) 563-584, doi:10.2478/acph-2019-0038.
127. Nigović, Biljana; Mornar, Ana; Brusač, Edvin; Jeličić, Mario-Livio. Selective sensor for simultaneous determination of mesalazine and folic acid using chitosan coated carbon nanotubes functionalized with amino groups, *Journal of electroanalytical chemistry* 851 (2019) 113450, doi:10.1016/j.jelechem.2019.113450.
128. Pavić, Kristina; Rajić, Zrinka; Michnová, Hana; Jampílek, Josef; Perković, Ivana; Zorc, Branka. Second generation of primaquine ureas and bis-ureas as potential antimycobacterial agents, *Molecular diversity* 23 (2019) 657-667, doi:10.1007/s11030-018-9899-z.
129. Kuruc Poje, Darija; Mađarić, Vesna; Janeš Poje, Vlatka; Kifer, Domagoj; Howard, Philip; Marušić, Srećko. Antimicrobial stewardship effectiveness on rationalizing the use of last line of antibiotics in a short period with limited human resources: a single centre cohort study, *BMC Research Notes* 12 (2019) 1-18, doi:10.1186/s13104-019-4572-x.
130. Saračević, Andrea; Dukić, Lora; Šimundić, Ana-Maria. Haemolysis and lipemia interfere with resistin and myeloperoxidase BioVendor ELISA assays, *Biochimia Medica* 29 (2019) 1-7, doi:10.11613/bm.2019.020703.
131. Juszczak, Agata; Pavić, Tamara; Vučković, Frano; Bennett, Amanda J.; Shah, Neha; Medvidović, Edita Pape; Groves, Christopher J.; Sekerija, Mario; Chandler, Kyla; Burrows, Carla et al. Plasma fucosylated glycans and C-reactive protein as biomarkers of HNF1A-MODY in young adult-onset nonautoimmune diabetes, *Diabetes care* 42 (2019) 17-26, doi:10.2337/dc18-0422.
132. Brusač, Edvin; Jeličić, Mario-Livio; Amidžić Klarić, Daniela; Nigović, Biljana; Turk, Nikša; Klarić, Ilijia; Mornar, Ana. Pharmacokinetic Profiling and Simultaneous Determination of Thiopurine Immunosuppressants and Folic Acid by Chromatographic Methods, *Molecules* 24 (2019) 3469, doi:10.3390/molecules24193469.
133. di Giacomo, Viviana; Ferrante, Claudio; Ronci, Maurizio; Cataldi, Amelia; Di Valerio, Valentina; Rapino, Monica; Recinella, Lucia; Chiavaroli, Annalisa; Leone, Sheila; Vladimir-Knežević, Sanda et al. Multiple pharmacological and toxicological investigations on Tanacetum parthenium and Salix alba extracts: Focus on potential application as anti-migraine agents, *Food and chemical toxicology* 133 (2019) 110783, doi:10.1016/j.fct.2019.110783.
134. Ljoljić Bilić, Vanja; Stabentheiner, Edith; Kremer, Dario; Dunkić, Valerija; Jurišić Grubešić, Renata; Vuković Rodriguez, Jadranka. Phytochemical and Micromorphological Characterization of Croatian Populations of Erodium cicutarium, *Natural product communications* 14 (2019) 1-8, doi:10.1177/1934578X19856257.
135. Zorc, Branka; Rajić, Zrinka; Perković, Ivana. Antiproliferative evaluation of various aminoquinoline derivatives, *Acta pharmaceutica* 69 (2019) 661-672, doi:10.2478/acph-2019-0048.
136. Juszczak, Aleksandra Maria; Zovko Končić, Marijana; Tomczyk, Michał. Recent Trends in the Application of Chromatographic Techniques in the Analysis of Luteolin and Its Derivatives, *Biomolecules* 9 (2019) 731, doi:10.3390/biom9110731.
137. Bach-Rojecky, Lidija; Vađunec, Dalia; Ložić, Marin; Žunić, Katarina; Špoljar, Giorgina Gasparini; Čutura, Tomislav; Erceg, Damir; Primorac, Dragan. Challenges in anesthesia personalization: resolving the pharmacogenomic puzzle, *Personalized medicine* 16 (2019) 511-525, doi:10.2217/pme-2019-0056.
138. Jurić, Sandra; Marijan, Marijan; Kronja, Olga. Electrofugality of Some Ferrocenylphenylmethyl Cations, *Croatica chemica acta* 92 (2019) 307-313, doi:10.5562/cca3553.

139. Benković, Goran; Bojić, Mirza; Maleš, Željan; Tomić, Siniša. Screening of flavonoid aglycons' metabolism mediated by the human liver cytochromes P450, *Acta pharmaceutica* 69 (2019) 541-562, doi:10.2478acph-2019-0039.
140. Divac, Vera M.; Šakić, Davor; Weitner, Tin; Gabričević, Mario. Solvent effects on the absorption and fluorescence spectra of Zaleplon: Determination of ground and excited state dipole moments, *Spectrochimica acta. Part A, Molecular and biomolecular spectroscopy* 212 (2019) 356-362, doi:10.1016j.saa.2019.01.023.
141. Šimunović, Jelena; Vilaj, Marija; Trbojević-Akmačić, Irena; Momčilović, Ana; Vučković, Frano; Gudelj, Ivan; Jurić, Julija; Nakić, Natali; Lauc, Gordan; Pezer, Marija. Comprehensive N-glycosylation analysis of immunoglobulin G from dried blood spots, *Glycobiology* 29 (2019) 817-821, doi:10.1093glycobcwz061.
142. Dulić, Marina; Ciganović, Petar; Vujić, Lovorka; Zovko Končić, Marijana. Antidiabetic and Cosmeceutical Potential of Common Barberry (*Berberis vulgaris L.*) Root Bark Extracts Obtained by Optimization of 'Green' Ultrasound-Assisted Extraction, *Molecules* 24 (2019) 3613, doi:10.3390molecules24193613.

Publikacije objavljene u 2020.

1. Perković, Ivana; Raić-Malić, Silvana; Fontinha, Diana; Prudêncio, Miguel; Pessanha de Carvalho, Lais; Held, Jana; Tandarić, Tana; Vianello, Robert; Zorc, Branka; Rajić, Zrinka. Harmicines – harmine and cinnamic acid hybrids as novel antiplasmodial hits, European journal of medicinal chemistry 187 (2020) 111927, doi:10.1016/j.ejmech.2019.111927.
2. Ibarz, Mercedes; Cadamuro, Janne; Šumarac, Zorica; Guimaraes, Joao Tiago; Kovalevskaya, Svetlana; Nybo, Mads; Cornes, Michael P; Vermeersch, Pieter; Šimundić, Ana-Maria; Lippi, Giuseppe. Clinicians' and laboratory medicine specialists' views on laboratory demand management: a survey in nine European countries, Diagnosis 28 (2020) 111-119, doi:10.1515dx-2019-0081.
3. Zaytseva, Olga O.; Seeling, Michaela; Krištić, Jasminka; Lauc, Gordan; Pezer, Marija; Nimmerjahn, Falk. Fc-linked IgG N-glycosylation in FcgR knock-out mice, Frontiers in cell and developmental biology 8 (2020) 67, doi:10.3389fcell.2020.00067.
4. Mrazek, Cornelia; Šimundić, Ana-Maria; Salinas, Maria; von Meyer, Alexander; Cornes, Michael; Bauçà, Josep Miquel; Nybo, Mads; Lippi, Giuseppe; Haschke-Becher, Elisabeth; Keppel, Martin H. et al. Inappropriate use of laboratory tests: how availability triggers demand – examples across Europe, Clinica chimica acta 505 (2020) 100-107, doi:10.1016j.cca.2020.02.017.
5. Rimac, Hrvoje; Tandarić, Tana; Vianello, Robert; Bojić, Mirza. Indomethacin increases quercetin affinity for human serum albumin: a combined experimental and computational study and its broader implications, International journal of molecular sciences 21 (2020) 5740, doi:10.3390ijms21165740.
6. Schaffert, Anja; Hanić, Maja; Novokmet, Mislav; Zaytseva, Olga; Krištić, Jasminka; Lux, Anja; Nitschke, Lars; Peipp, Matthias; Pezer, Marija; Hennig, René et al. Minimal B cell extrinsic IgG glycan modifications of pro- and anti-inflammatory IgG preparations in vivo, Frontiers in Immunology 10 (2020) 3024, doi:10.3389fimmu.2019.03024.
7. Karković Marković, Ana; Jakobušić Brala, Cvijeta; Pilepić, Viktor; Uršić, Stanko. Hydrogen tunnelling as a probe of the involvement of water vibrational dynamics in aqueous chemistry?, Molecules 25 (2020) 25010172, doi:10.3390molecules25010172.
8. Martin, Tiphaine C.; Šimurina, Mirna; Ząbczyńska, Marta; Martinić Kavur, Marina; Rydlewska, Magdalena; Pezer, Marija; Kozłowska, Kamila; Burri, Andrea; Vilaj, Marija; Turek-Jabrocka, Renata et al. Decreased immunoglobulin G core fucosylation, a player in antibody-dependent cell-mediated cytotoxicity, is associated with autoimmune thyroid diseases, Molecular & cellular proteomics 19 (2020) 774-792, doi:10.1074mcp.ra119.001860.
9. Jurišić Dukovski, Bisera; Juretić, Marina; Bračko, Danka; Randjelović, Danijela; Savić, Snežana; Crespo Moral, Mario; Diebold, Yolanda; Filipović-Grčić, Jelena; Pepić, Ivan; Lovrić, Jasmina. Functional ibuprofen-loaded cationic nanoemulsion: development and optimization for dry eye disease treatment, International journal of pharmaceutics, 576 (2020) 118979, 13 doi:10.1016j.ijpharm.2019.118979.
10. Hulina-Tomašković, Andrea; Somborac-Baćura, Anita; Grdić Rajković, Marija; Hlapčić, Iva; Bosnar, Martina; Rumora, Lada. Effects of extracellular Hsp70, lipopolysaccharide and lipoteichoic acid on human monocyte-derived macrophages and differentiated THP-1 cells, Biological chemistry 401 (2020) 1181-1190, doi:10.1515hsz-2020-0138.
11. Dodig, Slavica; Čepelak, Ivana; Pavić, Ivan. Age and SARS-CoV-2 infection, Acta medica Croatica 74 (2020) 135-144.
12. Lippi, Giuseppe; von Meyer, Alexander; Cadamuro, Janne; Šimundić, Ana-Maria; European Federation of Clinical Chemistry and Laboratory Medicine (EFLM) Working Group for Preanalytical Phase (WG-PRE). PREDICT: a checklist for preventing preanalytical diagnostic errors in clinical trials, Clinical Chemistry and Laboratory Medicine (2020) 518-526, doi:10.1515cclm-2019-1089.
13. Mrazek, Cornelia; Stechemesser, Lars; Haschke-Becher, Elisabeth; Hözl, Bertram; Paulweber, Bernhard; Keppel, Martin H.; Šimundić, Ana-Maria; Oberkofler, Hannes; Felder, Thomas K.; Cadamuro, Janne. Reducing the probability of falsely elevated HbA1c results in diabetic patients by

- applying automated and educative HbA1c re-testing intervals, *Clinical biochemistry* 80 (2020) 14-18, doi:10.1016j.clinbiochem.2020.03.014.
- 14. Inić, Suzana; Kremer, Dario. Fran Kušan and the first university botanical garden of medicinal and poisonous plants in Southeast Europe, *Phyton* 60 (2020) 27-40, doi:10.129050380.phyton60-2020-0027.
  - 15. Sučić, Mirna; Ljubić, Nives; Perković, Leila; Ivanović, Dunja; Pažanin, Leo; Sučić Radovanović, Tena; Županić-Krmek, Dubravka; Knežević, Fabijan. Cytopathology and diagnostics of Warthin's tumour, *Cytopathology* 31 (2020) 193-207, doi:10.1111cyt.12830.
  - 16. Mornar, Ana; Buhač, Tajana; Amidžić Klarić, Daniela; Klarić, Ilija; Sertić, Miranda; Nigović, Biljana. Multi-targeted screening of phytoestrogens in food, raw material, and dietary supplements by liquid chromatography with tandem mass spectrometry, *Food analytical methods* 13 (2020) 482-495, doi:10.1007s12161-019-01653-x.
  - 17. Primorac, Dragan; Bach-Rojecky, Lidija; Vađunec, Dalia; Juginović, Alen; Žunić, Katarina; Matišić, Vid; Skelin, Andrea; Arsov, Borna; Boban, Luka; Erceg, Damir et al. Pharmacogenomics at the center of precision medicine: challenges and perspective in an era of Big Data, *Pharmacogenomics* 21 (2020) 141-156, doi:10.2217pgs-2019-0134.
  - 18. Margui, Eva; Dumić, Jerka; Queralt, Ignasi; Baković, Lada; Jablan, Jasna. Simple and reliable determination of Zn and some additional elements in seminal plasma samples by using total reflection X-ray fluorescence spectroscopy, *Analytical methods* 12 (2020) 4899-4905, doi:10.1039D0AY01185A.
  - 19. Bago, Martina; Butković, Ana; Preložnik Zupan, Irena; Faganel Kotnik, Barbara; Prga, Ivana; Bačić Vrca, Vesna; Zupančić Salek, Silva. Depressive symptoms and adherence to prophylaxis in patients with haemophilia from Croatia and Slovenia, *Haemophilia* 26 (2020) 161-167, doi:10.1111hae.14011.
  - 20. Ljolić Bilić, Vanja; Gašić, Uroš; Milojković-Opsenica, Dušanka; Nemet, Ivan; Rončević, Sanda; Kosalec, Ivan; Vuković Rodriguez, Jadranka. First Extensive Polyphenolic Profile of Erodium cicutarium with Novel Insights to Elemental Composition and Antioxidant Activity, *Chemistry & biodiversity* 17 (2020) e2000280, doi:10.1002cbd.v.202000280.
  - 21. Koletić, Nikola; Alegro, Antun; Rimac, Anja; Vuković, Nina; Šegota, Vedran; Vilović, Tihana. Environmental preferences of *Polysiphonia subtilissima* (Ceramiales, Rhodophyta) in transitional, oligohaline and fresh waters of the East Adriatic coast, *Nova Hedwigia* 111 (2020) 39-58, doi:10.1127nova\_hedwigia20200593.
  - 22. von Meyer, Alexander; Lippi, Giuseppe; Šimundić, Ana-Maria; Cadamuro, Janne. Exact time of venous blood sample collection – an unresolved issue, on behalf of the European Federation for Clinical Chemistry and Laboratory Medicine (EFLM) Working Group for Preanalytical Phase (WG-PRE), *Clinical chemistry and laboratory medicine* 58 (2020) 1655-1662, doi:10.1515cclm-2020-0273.
  - 23. Rumora, Lada; Hlapčić, Iva; Popović-Grle, Sanja; Rako, Ivana; Rogić, Dunja; Čepelak, Ivana. Uric acid and uric acid to creatinine ratio in the assessment of chronic obstructive pulmonary disease: potential biomarkers in multicomponent models comprising IL-1beta, *PLoS One* 15 (2020) e0234363-e0234363, doi:10.1371journal.pone.0234363.
  - 24. Kifer, Domagoj; Jakšić, Daniela; Šegvić Klarić, Maja. Assessing the effect of mycotoxin combinations: which mathematical model is (the most) appropriate?, *Toxins* 12 (2020) 153, doi:10.3390toxins12030153.
  - 25. Barberić, Monika; Pavičić Baldani, Dinka; Rogić, Dunja; Kralik, Saša. Serum concentrations of neuropilin-1 in women with endometriosis, *Scandinavian journal of clinical and laboratory investigation* 80 (2020) 271-276, doi:10.108000365513.2020.1728785.
  - 26. Šimundić, Ana-Maria; Baird, Geoffrey; Cadamuro, Janne; Costelloe, Seán J.; Lippi, Giuseppe. Managing hemolyzed samples in clinical laboratories, *Critical reviews in clinical laboratory sciences* 56 (2020) 1-21, doi:10.108010408363.2019.1664391.

27. Marinović, Marina; Perković, Ivana; Fontinha, Diana; Prudêncio, Miguel; Held, Jana; Pessanha de Carvalho, Lais; Tandarić, Tana; Vianello, Robert; Zorc, Branka; Rajić, Zrinka. Novel Harmicines with Improved Potency against Plasmodium, *Molecules* 25 (2020) 4376, doi:10.3390/molecules25194376.
28. Radišić Biljak, Vanja; Đuras, Anamarija; Čičak, Helena; Vidranski, Valentina; Vidranski, Tihomir; Peersman, Nele; Vermeersch, Pieter; Ostroški, Ivanka; Ružić, Lana; Šimundić, Ana-Maria. Women in sports: The applicability of reference intervals for 6 commercially available testosterone immunoassays (HemSter Study), *Clinical biochemistry* 84 (2020) 55-62, doi:10.1016j.clinbiochem.2020.06.006.
29. Grubor, Mirko; Živković, Maja; Šagud, Marina; Nikolac Perković, Matea; Mihaljević-Peleš, Alma; Pivac, Nela; Muck-Šeler, Dorotea; Švob Štrac, Dubravka. HTR1A, HTR1B, HTR2A, HTR2C and HTR6 Gene Polymorphisms and Extrapyramidal Side Effects in Haloperidol-Treated Patients with Schizophrenia, *International journal of molecular sciences* 21 (2020) 2345, doi:10.3390/ijms21072345.
30. Gabričević, Mario; Lente, Gábor; Fábián, István. Kinetic detection of osmium(VI) ester intermediates during the OsO<sub>4</sub>-mediated aqueous dihydroxylation of chloroethylenes, *Journal of physical organic chemistry* 33 (2020) 4045, doi:10.1002/poc.4045.
31. Benedetti, Elisa; Pučić-Baković, Maja; Keser, Toma; Gerstner, Nathalie; Büyüközkan, Mustafa; Štambuk, Tamara; Selman, Maurice H. J.; Rudan, Igor; Polašek, Ozren; Hayward, Caroline et al. A strategy to incorporate prior knowledge into correlation network cutoff selection, *Nature communications* 11 (2020) 12, doi:10.1038/s41467-020-18675-3.
32. Vuljanić, Dora; Dukić, Lora; Krleža, Jasna Leniček; Juroš, Gordana Fressl; Pozaić, Petra; Šimundić, Ana-Maria. Third-party verification of total and specific immunoglobulin E on analyzer Immulite® 2000XPi, *Clinica chimica acta* 500 (2020) 28-33, doi:10.1016j.cca.2019.09.015.
33. Oros, Damir; Ćeprnja, Marina; Žučko, Jurica; Cindrić, Mario; Hozić, Amela; Škrlin, Jasenka; Barišić, Karmela; Melvan, Ena; Uročić, Ksenija; Kos, Blaženka; Starčević, Antonio. Identification of pathogens from native urine samples by MALDI-TOF TOF tandem mass spectrometry, *Clinical Proteomics* 17 (2020) 25, doi:10.1186/s12014-020-09289-4.
34. Jurić, Julija; Kohrt, Wendy M.; Kifer, Domagoj; Gavin, Kathleen M; Pezer, Marija; Nigrovic, Peter A.; Lauc, Gordan. Effects of estradiol on biological age measured using the glycan age index, *Aging-US* 12 (2020) 19756-19765, doi:10.18632/aging.104060.
35. Kremer, Dario; Jurišić-Grubešić, Renata; Bogunić, Faruk; Elefheriadou, Eleni; Ballian, Dalibor; Kosalec, Ivan; Randić, Marko; Vuković-Rodríguez, Jadranka; Karlović, Ksenija. Morphological variability of leaf and shoot traits of four barberry taxa (*Berberis L.*) from the Balkan Peninsula and Sicily, *Botanica Serbica* 44 (2020) 137-148, doi:10.2298/BOTSERB2002137K.
36. Dragojević Müller, Ivna; Tariba, Blanka; Vitali Čepo, Dubravka; Vujić, Lovorka; Ruščić, Mirko; Bolarić, Snježana; Kremer, Dario. Variability of macro and microelement content in pods and leaves of the carobtree (*Ceratonia siliqua L.*) in Croatia, *Israel journal of plant sciences* 67 (2020) 171-180, doi:10.116322238980-bja10016.
37. Toma, Mateja; Vrček, Valerije. Redoks-svojstva ferocenom supstituiranih nukleobaza, *Kemija u industriji : časopis kemičara i tehnologa Hrvatske* 69 (2020) 21-29, doi:10.15255/KUI.2020.025.
38. Petruševska, Valentina; Lasić, Kornelija; Mornar, Ana. Compatibility investigation for a new antituberculotic fixed dose combination with an adequate drug delivery, *Drug development and industrial pharmacy* 46 (2020) 1298-1307, doi:10.108003639045.2020.1788066.
39. Jakšić, Daniela; Ćurtović, Ida; Kifer, Domagoj; Rašić, Dubravka; Kopjar, Nevenka; Micek, Vedran; Peraica, Maja; Šegvić Klarić, Maja. Single-dose toxicity of individual and combined sterigmatocystin and 5-methoxysterigmatocystin in rat lungs, *Toxins* 12 (2020) 734, doi:10.3390/toxins12110734.
40. Momčev, Plamen; Ciganović, Petar; Jug, Mario; Marguí, Eva; Jablan, Jasna; Zovko Končić, Marijana. Comparison of Maceration and Ultrasonication for Green Extraction of Phenolic Acids from *Echinacea purpurea* Aerial Parts, *Molecules* 25 (2020) 5142, doi:10.3390/molecules25215142.

41. Hlapčić, Iva; Hulina-Tomašković, Andrea; Grdić Rajković, Marija; Popović-Grle, Sanja; Vukić Dugac, Andrea; Rumora, Lada. Association of plasma heat shock protein 70 with disease severity, smoking and lung function of patients with chronic obstructive pulmonary disease, *Journal of clinical medicine* 9 (2020) 3097-3097, doi:10.3390jcm9103097.
42. Gaggero, Alessio; Jurišić Dukovski, Bisera; Radić, Irena; Šagud, Ivana; Škorić, Irena; Cinčić, Dominik; Jug, Mario. Co-grinding with surfactants as a new approach to enhance in vitro dissolution of praziquantel, *Journal of pharmaceutical and biomedical analysis* 189 (2020) 113494-113494, doi:10.1016j.jpba.2020.113494.
43. Radić, Kristina; Jurišić Dukovski, Bisera; Vitali Čepo, Dubravka. Influence of Pomace Matrix and Cyclodextrin Encapsulation on Olive Pomace Polyphenols' Bioaccessibility and Intestinal Permeability, *Nutrients* 12 (2020) 669, doi:10.3390nu12030669.
44. Racané, Livio; Ptiček, Lucija; Fajdetić, Glorija; Tralić-Kulenović, Vesna; Klobučar, Marko; Kraljević Pavelić, Sandra; Perić, Mihaela; Čipčić Paljetak, Hana; Verbanac, Donatella; Starčević, Kristina. Green synthesis and biological evaluation of 6- substituted-2-(2- hydroxy methoxyphenyl)benzothiazole derivatives as potential antioxidant, antibacterial and antitumor agents, *Bioorganic chemistry* 95 (2020) 103537, doi:10.1016j.bioorg.2019.103537.
45. Radić, Kristina; Vinković Vrček, Ivana; Pavičić, Ivan; Vitali Čepo, Dubravka. Cellular antioxidant activity of olive pomace extracts: impact of gastrointestinal digestion and cyclodextrin encapsulation, *Molecules* 25 (2020) 5027, doi:10.3390molecules25215027.
46. De Leoz, Maria Lorna A.; Duewer, David L.; Fung, Adam; ...; Lauc, Gordan; ...; Leone, Joseph W.; Yuan, Hua; Stein, Stephen E. NIST interlaboratory study on glycosylation analysis of monoclonal antibodies: comparison of results from diverse analytical methods, *Molecular & cellular proteomics* 19 (2020) 11-30, doi:10.1074mcp.RA119.001677.
47. Singh, Sunny S.; Heijmans, Ralph; Meulen, Claudia K. E.; Lieverse, Aloysius G.; Gornik, Olga; Sijbrands, Eric J. G.; Lauc, Gordan; van Hoek, Mandy. Association of the IgG N-glycome with the course of kidney function in type 2 diabetes, *BMJ open diabetes research and care* 8 (2020) e001026, doi:10.1136/bmjdrc-2019-001026.
48. Karković Marković, Ana; Jakobušić Brala, Cvijeta; Pilepić, Viktor; Ursić, Stanko. Kinetic isotope effects and hydrogen tunnelling in PCET oxidations of ascorbate: new insights into aqueous chemistry?, *Molecules* 25 (2020) 1443, doi:10.3390molecules25061443.
49. Karaica, Dean; Micek, Vedran; Rašić, Dubravka; Peraica, Maja; Šegvić Klarić, Maja; Breljak, Davorka. Subchronic exposure to individual and combined ochratoxin A and citrinin affects the expression of rat renal organic anion transporters, *Mycotoxin research* 36 (2020) 339-352, doi:10.1007s12550-020-00399-4.
50. Klarić, Lucija; Tsepilov, Yakov A.; Stanton, Chloe M.; Mangino, Massimo; Sikka, Timo Tõnis; Esko, Tõnu; Pakhomov, Eugene; Salo, Perttu; Deelen, Joris; McGurnaghan, Stuart J. et al. Glycosylation of immunoglobulin G is regulated by a large network of genes pleiotropic with inflammatory diseases, *Science advances* 6 (2020) eaax0301, doi:10.1126sciadv.aax0301.
51. Matijašić, Mario; Meštrović, Tomislav; Čipčić Paljetak, Hana; Perić, Mihaela; Barešić, Anja; Verbanac, Donatella. Gut Microbiota beyond Bacteria—Mycobiome, Virome, Archaeome, and Eukaryotic Parasites in IBD, *International journal of molecular sciences* 21 (2020) 2668, doi:10.3390ijms21082668.
52. Cvetko, Ana; Kifer, Domagoj; Gornik, Olga; Klarić, Lucija; Visser, Elizabeth; Lauc, Gordan; Wilson, James F.; Štambuk, Tamara. Glycosylation alterations in multiple sclerosis show increased proinflammatory potential, *Biomedicines* 8 (2020) 410, doi:10.3390biomedicines8100410.
53. Kelava, Tomislav; Turčić, Petra; Markotić, Antonio; Ostojić, Ana; Šisl, Dino; Mrzljak, Anna. Importance of genetic polymorphisms in liver transplantation outcomes, *World Journal of Gastroenterology* 26 (2020) 1273-1285, doi:10.3748wjg.v26.i12.1273.
54. Nazlić, Marija; Kremer, Dario; Grubešić, Renata Jurišić; Soldo, Barbara; Vuko, Elma; Stabentheiner, Edith; Ballian, Dalibor; Bogunić, Faruk; Dunkić, Valerija. Endemic Veronica saturejoides Vis. ssp.

saturejoides-Chemical Composition and Antioxidant Activity of Free Volatile Compounds, Plants 9 (2020) 1646, doi:10.3390/plants9121646.

55. Ćelić, Ivan; Bach-Rojecky, Lidija; Merćep, Iveta; Soldo, Ana; Petrak, Anja Kos; Bučan, Ana. Resolving Issues About Efficacy and Safety of Low-Dose Codeine in Combination Analgesic Drugs: A Systematic Review, Pain and therapy 9 (2020) 171-194, doi:10.1007s40122-020-00162-8.
56. Valencia-Quintana, Rafael; Milić, Mirta; Jakšić, Daniela; Šegvić Klarić, Maja; Tenorio-Arvide, María Guadalupe; Pérez-Flores, Guillermo Alejandro; Bonassi, Stefano; Sánchez-Alarcón, Juana. Environment Changes, Aflatoxins, and Health Issues, a Review, International journal of environmental research and public health 17 (2020) 7850, doi:10.3390ijerph17217850.
57. Martinaga Pintarić, Lela; Somogy Škoc, Maja; Ljoljić Bilić, Vanja; Pokrovac, Ivan; Kosalec, Ivan; Rezić, Iva. Synthesis, modification and characterization of antimicrobial textile surface containing ZnO Nanoparticles, Polymers 12 (2020) 1210, doi:10.3390polym12061210.
58. Mentzer, Bengt; Russo, Andrew F.; Zhang, Zhongming; Kuburas, Adisa; Killoran, Patrick M.; D'Aloisio, Vera; Nizic, Laura; Capel, Vicky; Kendall, David A.; Coxon, Christopher R.; Hutcheon, Gillian A. A CGRP receptor antagonist peptide formulated for nasal administration to treat migraine, Journal of pharmacy and pharmacology 72 (2020) 1352-1360, doi:10.1111jphp.13317.
59. Margetić, Sandra; Ćelap, Ivana; Delić Brkljačić, Diana; Pavlović, Nikola; Šupraha Goreta, Sandra; Kobasić, Ivana; Lovrenčić-Huzjan, Arijana; Bašić Kes, Vanja. Chromogenic anti-FXa assay calibrated with low molecular weight heparin in patients treated with rivaroxaban and apixaban: possibilities and limitations, Biochimia Medica: The journal of The Croatian Society of Medical Biochemistry and Laboratory Medicine 30 (2020) 010702, doi:10.11613BM.2020.010702.
60. Wittenbecher, Clemens; Štambuk, Tamara; Kuxhaus, Olga; Rudman, Najda; Vučković, Frano; Štambuk, Jerko; Schiborn, Catarina; Rahelić, Dario; Dietrich, Stefan; Gornik, Olga et al. Plasma N-glycans as emerging biomarkers of cardiometabolic risk: a prospective investigation in the EPIC-Potsdam cohort study, Diabetes care 43 (2020) 661-668, doi:10.2337dc19-1507.
61. Kostelac, Deni; Gerić, Marko; Gajski, Goran; Markov, Ksenija; Domijan, Ana Marija; Čanak, Iva; Jakopović, Željko; Svetec, Ivan Krešimir; Žunar, Bojan; Frece, Jadranka. Lactic acid bacteria isolated from equid milk and their extracellular metabolites show great probiotic properties and anti-inflammatory potential, International dairy journal 112 (2020) 104828, doi:10.1016j.idairyj.2020.104828.
62. Bjelopetrović, Alen; Barišić, Dajana; Duvnjak, Zrinka; Džajić, Ivan; Juribašić Kulcsar, Marina; Halasz, Ivan; Martinez, Manuel; Budimir, Ana; Babić, Darko; Ćurić, Manda. A Detailed Kinetico-Mechanistic Investigation on the Palladium C–H Bond Activation in Azobenzenes and Their Monopalladated Derivatives, Inorganic chemistry 59 (2020) 17123-17133, doi:10.1021acs.inorgchem.0c02418.
63. Fokkens, Wytske; Lund, Valerie; Hopkins, Claire; Hellings, Peter; Kern, Robert; Reitsma, Sietze; Toppila-Salmi, Sanna; Bernal-Sprekelsen, Manuel; Mullol, Joaquim; Alobid, Isam et al. European Position Paper on Rhinosinusitis and Nasal Polyps 2020, Rhinology 58 (2020) 1-464, doi:10.4193Rhin20.600.
64. Gunarić, Anita; Tomić, Ivona; Babić, Romana; Gunarić, Filip; Prlić, Marina; Mandić, Marta; Šimić, Dubravka. Sensitive skin in the population of Herzegovina-Neretva country: prevalence and clinical data, Psychiatria Danubina 32 (2020) 290-297.
65. Rašić, Dubravka; Jakšić, Daniela; Hulina Tomašković, Andrea; Kifer, Domagoj; Kopjar, Nevenka; Rumora, Lada; Želježić, Davor; Peraica, Maja; Šegvić Klarić, Maja. Sterigmatocystin moderately induces oxidative stress in male Wistar rats after short-term oral treatment, Mycotoxin research 36 (2020) 181-191, doi:10.1007s12550-019-00382-8.
66. Kondža, Martin; Rimac, Hrvoje; Maleš, Željan; Turčić, Petra; Ćavar, Ivan; Bojić, Mirza. Inhibitory effect of acacetin, apigenin, chrysins and pinocembrin on human cytochrome P450 3A4, Croatica chemica acta 93 (2020) 33-39, doi:10.5562cca3652.
67. Fazekas, Csilla Lea; Sipos, Eszter; Klarić, Thomas; Török, Bibiána; Bellardie, Manon; Nedić Erjavec, Gordana; Nikolac Perković, Matea; Lauc, Gordan; Pivac, Nela; Zelena, Dóra. Searching for glycomic

- biomarkers for predicting resilience and vulnerability in a rat model of posttraumatic stress disorder, *Stress* 23 (2020) 715-731, doi:10.1080/10253890.2020.1795121.
- 68. Drinovac Vlah, Višnja; Bach-Rojecky, Lidija. What have we learned about antinociceptive effect of botulinum toxin type A from mirror-image pain models?, *Toxicon* 185 (2020) 164-173, doi:10.1016/j.toxicon.2020.07.014.
  - 69. Sertić, Miranda; Mornar, Ana; Nigović, Biljana. Simple and rapid micellar electrokinetic chromatography method for simultaneous determination of febuxostat and its related impurities, *Chromatographia* 83 (2020) 993-1000, doi:10.1007/s10337-020-03919-7.
  - 70. Torić, Jelena; Barbarić, Monika; Uršić, Stanko; Jakobušić Brala, Cvijeta; Karković Marković, Ana; Zebić Avdičević, Maja; Benčić, Đani. Antique traditional practice: phenolic profile of virgin olive oil obtained from fruits stored in seawater, *Foods* 9 (2020) 1347, doi:10.3390/foods9101347.
  - 71. Markotić, Antonio; Flegar, Darja; Grčević, Danka; Šućur, Alan; Lalić, Hrvoje; Turčić, Petra; Kovačić, Nataša; Lukač, Nina; Pravdić, Danijel; Vukojević, Katarina et al. LPS-induced inflammation desensitizes hepatocytes to Fas-induced apoptosis through Stat3 activation—The effect can be reversed by ruxolitinib, *Journal of cellular and molecular medicine* 24 (2020) 2981-2992, doi:10.1111/jcmm.14930.
  - 72. Čepelak, Ivana; Dodig, Slavica; Čepelak Dodig, Daniela. Ferroptosis: regulated cell death, *Arhiv za higijenu rada i toksikologiju* 71 (2020) 99-109, doi:10.2478/aiht-2020-71-3366.
  - 73. Fehir Šola, Katarina; Mucalo, Iva; Brajković, Andrea; Jukić, Ivona; Verbanac, Donatella; Vladimir Knežević, Sanda. Drug therapy problems identified among older adults placed in a nursing home: the Croatian experience, *Journal of international medical research* 48 (2020) 300060520928791, 15 doi:10.1177/030060520928791.
  - 74. Martin, Tiphaine C.; Illieva, Kristina M.; Visconti, Alessia; Beaumont, Michelle; Kiddle, Steven J.; Dobson, Richard J. B.; Mangino, Massimo; Lim, Ee Mun; Pezer, Marija; Steves, Claire J. et al. Dysregulated antibody, natural killer cell and immune mediator profiles in autoimmune thyroid diseases, *Cells* 9 (2020) 665, doi:10.3390/cells9030665.
  - 75. Buhać, Tajana; Amidžić Klarić, Daniela; Klarić, Ilija; Nigović, Biljana; Brusač, Edvin; Jeličić, Mario-Livio; Mornar, Ana. Assessment of active ingredients and metal impurities in phytoestrogen-containing food and dietary supplements, *Journal of food and nutrition research* 59 (2020) 87-97.
  - 76. Tadić, Mario; Štoos-Veić Tajana; Kujundžić, Milan; Turčić, Petra; Aralica, Gorana; Boskoski, Ivo. Insulin-like growth factor 2 binding protein 3 expression on endoscopic ultrasound guided fine needle aspiration specimens in pancreatic ductal adenocarcinoma, *European journal of gastroenterology & hepatology* 32 (2020) 496-500, doi:10.1097/MEG.0000000000001696.
  - 77. Rimac, Hrvoje; Grishina, Maria A.; Potemkin, Vladimir A. Electron density analysis of CDK complexes using the AlteQ method, *Future Medicinal Chemistry* 12 (2020) 1387-1397, doi:10.4155/fmc-2020-0076.
  - 78. Gajski, Goran; Gerić, Marko; Domijan, Ana-Marija; Golubović, Ivana; Žegura, Bojana. Marine toxin domoic acid induces in vitro genomic alterations in human peripheral blood cells, *Toxicon* 187 (2020) 93-100, doi:10.1016/j.toxicon.2020.08.024.
  - 79. Žuntar, Irena; Petrić, Zvonimir; Bursać Kovačević, Danijela; Putnik, Predrag. Safety of Probiotics: Functional Fruit Beverages and Nutraceuticals, *Foods* 9 (2020) 947, doi:10.3390/foods9070947.
  - 80. Ljubas Kelečić, Dina; Lelas, Antonela; Karas, Irena; Desnica, Lana; Vukić, Tamara; Sabol, Ivan; Vranešić Bender, Darija; Serventi Seiwert, Ranka; Perić, Zinaida; Duraković, Nadira et al. Sarcopenia among patients after allogeneic hematopoietic stem cell transplantation and the impact of chronic graft versus host disease, *Journal of cancer research and clinical oncology* 146 (2020) 2967-2978, doi:10.1007/s00432-020-03280-0.
  - 81. Zaytseva, Olga O.; Freidin, Maxim B.; Keser, Toma; Štambuk, Jerko; Ugrina, Ivo; Šimurina, Mirna; Vilaj, Marija; Štambuk, Tamara; Trbojević-Akmačić, Irena; Pučić-Baković, Maja et al. Heritability of Human Plasma N-Glycome, *Journal of proteome research* 19 (2020) 85-91, doi:10.1021/acs.jproteome.9b00348.

82. Jeličić, Mario-Livio; Brusač, Edvin; Amidžić Klarić, Daniela; Nigović, Biljana; Turk, Nikša; Mornar Ana. A chromatographic approach to development of 5 aminosalicylate folic acid fixed dose combinations for treatment of Crohn's disease and ulcerative colitis, *Scientific reports* 10 (2020) 20838, doi:10.1038s41598-020-77654-2.
83. Dodig, Slavica; Čepelak, Ivana; Čepelak Dodig, Daniela; Laškaj, Renata. SARS-CoV-2 – a new challenge for laboratory medicine, *Biochimia medica* 30 (2020) 030503, doi:10.11613BM.2020.030503.
84. Kandagalla, Shivananda; Belenahalli Shekarappa, Sharath; Rimac, Hrvoje; Grishina, Maria A.; Potemkin, Vladimir A.; Hanumanthappa, Manjunatha. Computational insights into the binding mode of curcumin analogues against EP300 HAT domain as potent acetyltransferase inhibitors, *Journal of molecular graphics & modelling* 101 (2020) 107756, doi:10.1016j.jmgm.2020.107756.
85. Štambuk, Jerko; Nakić, Natali; Vučković, Frano; Pučić-Baković, Maja; Razdorov, Genadij; Trbojević-Akmačić, Irena; Novokmet, Mislav; Keser, Toma; Vilaj, Marija; Štambuk, Tamara et al. Global variability of the human IgG glycome, *Aging-US* 12 (2020) 15222-15259, doi:10.18632aging.103884.
86. Marijančević, Domagoj; Vrkić, Nada; Jukić, Igor; Bok, Daniel. Alterations in Redox Homeostasis Following Repeated Sprint Training, *Kinesiology : international journal of fundamental and applied kinesiology* 52 (2020) 19-29, doi:10.26582k.52.1.3.
87. Rumora, Lada; Somborac-Baćura, Anita; Hlapčić, Iva; Hulina-Tomašković, Andrea; Grdić Rajković, Marija. Cigarette smoke and extracellular Hsp70 induce secretion of ATP and differential activation of NLRP3 inflammasome in monocytic and bronchial epithelial cells, *Cytokine* 135 (2020) 155220-155220, doi:10.1016j.cyto.2020.155220.
88. Inić, Suzana; Ljepović, Maja; Domijan, Ana-Marija; Steiner Srdarević, Sabina; Jablan, Jasna; Markov, Ksenija. HPLC analysis of citric and tartaric acids in fruit nectars and juices, *Croatica chemica acta* 93 (2020) 57-62, doi:10.5562cca3662.
89. Beus, Maja; Savijoki, Kirsi; Patel, Jayendra Z.; Yli-Kauhaluoma, Jari; Fallarero, Adyary; Zorc, Branka. Chloroquine fumardiamides as novel quorum sensing inhibitors, *Bioorganic & medicinal chemistry letters* 30 (2020) 127336, doi:10.1016j.bmcl.2020.127336.
90. Tanuhadi, Elias; Al-Sayed, Emir; Roller, Alexander; Čipčić-Paljetak, Hana; Verbanac, Donatella; Rompel, Annette. Synthesis, characterization, and phosphoesterase activity of a series of 4f- and 4d-sandwich-type germanotungstates  $[(n\text{-C}_4\text{H}_9)_4\text{N}]_1\text{mH}_2[(\text{M}(\text{H}_2\text{O})_3)(\gamma\text{-GeW}_{10}\text{O}_{35})_2]$  ( $\text{M} = \text{CeIII}$ ,  $\text{NdIII}$ ,  $\text{GdIII}$ ,  $\text{ErIII}$ ,  $\text{l} = 7$ ;  $\text{ZrIV}$ ,  $\text{m} = 6$ ), *Inorganic chemistry* 59 (2020) 14078-14084, doi:10.1021acs.inorgchem.0c01852.
91. Torić, Jelena; Brozović, Anamaria; Baus Lončar, Mirela; Jakobušić Brala, Cvijeta; Karković Marković, Ana; Benčić, Đani; Barbarić, Monika. Biological Activity of Phenolic Compounds in Extra Virgin Olive Oils through Their Phenolic Profile and Their Combination with Anticancer Drugs Observed in Human Cervical Carcinoma and Colon Adenocarcinoma Cells, *Antioxidants* 9 (2020) 453, doi:10.3390antiox9050453.
92. Saračević, Adrea; Medved, Igor; Hrabric Vlah, Snježana; Kozmar, Ana; Bilić-Zulle, Lidija; Šimundić, Ana-Maria. The association of systemic inflammatory markers with indicators of stress and cardiac necrosis in patients undergoing aortic valve replacement and revascularization surgeries, *Physiological research* 69 (2020) 261-274, doi:10.33549physiolres.934243.
93. Nižić, Laura; Potaś, Joanna; Winnicka, Katarzyna; Szekalska, Marta; Erak, Iva; Gretić, Matija; Jug, Mario; Hafner, Anita. Development, characterisation and nasal deposition of melatonin-loaded pectin hyromellose microspheres, *European journal of pharmaceutical sciences* 141 (2020) 105-115, doi:10.1016j.ejps.2019.105115.
94. Jakas, Andreja; Vlahović-Kahlina, Kristina; Ljoljić-Bilić, Vanja; Horvat, Lucija; Kosalec, Ivan. Design and synthesis of novel antimicrobial peptide scaffolds, *Bioorganic chemistry* 103 (2020) 104178, doi:10.1016j.bioorg.2020.104178.
95. Putnik, Predrag; Pavlić, Branimir; Šojić, Branislav; Zavadlav, Sandra; Žuntar, Irena; Kao, Leona; Kitonić, Dora; Bursać Kovačević, Danijela. Innovative Hurdle Technologies for the Preservation of Functional Fruit Juices, *Foods* 9 (2020) 699, doi:10.3390foods9060699.

96. Dragović, Sanja; Dragović-Uzelac, Verica; Pedisić, Sandra; Čosić, Zrinka; Friščić, Maja; Elez Garofulić, Ivona; Zorić, Zoran. The Mastic Tree (*Pistacia lentiscus* L.) Leaves as Source of BACs: Effect of Growing Location, Phenological Stage and Extraction Solvent on Phenolic Content, *Food technology and biotechnology* 58 (2020) 303-313, doi:10.17113/ftb.58.03.20.6662.
97. Vitali Čepo, Dubravka; Radić, Kristina; Turčić, Petra; Anić, Dora; Komar, Barbara; Šalov, Mirela. Food (Matrix) Effects on Bioaccessibility and Intestinal Permeability of Major Olive Antioxidants, *Foods* 9 (2020) 1831, doi:10.3390/foods9121831.
98. Innangi, Michele; Friščić, Maja; Hazler Pilepić, Kroata; Danise, Tiziana; Conti, Fabio; Bartolucci, Fabrizio; Fioretto, Antonietta; Peruzzi, Lorenzo. Explaining intricate morphometric variability with environmental predictors: the case of *Globularia cordifolia* species complex, *Plants* 9 (2020) 314, doi:10.3390/plants9030314.
99. Uh, Hae-Won; Klarić, Lucija; Ugrina, Ivo; Lauc, Gordan; Smilde, Age L.; Houwing-Duistermaat, Jeanine J. Choosing proper normalization is essential for discovery of sparse glycan biomarkers, *Molecular omics* 16 (2020) 231-242, doi:10.1039/C9MO00174C.
100. Grgurević, Ivica; Trkulja, Vladimir; Božin, Tonči; Madir, Anita; Miletić, Maja; Marušić, Srećko; Škrlin, Jasenka; Šestan Crnek, Sandra; Dobrović, Karolina. Infection as a predictor of mortality in decompensated liver cirrhosis: exploring the relationship to severity of liver failure, *European journal of gastroenterology & hepatology* 32 (2020) 1458-1465, doi:10.1097/MEG.00000000000001667.
101. Hlapčić, Iva; Somborac-Baćura, Anita; Popović-Grle, Sanja; Vukić Dugac, Andrea; Rogić, Dunja; Rako, Ivana; Žanić Grubišić, Tihana; Rumora, Lada. Platelet indices in stable chronic obstructive pulmonary disease – association with inflammatory markers, comorbidities and therapy, *Biochimia Medica: The journal of The Croatian Society of Medical Biochemistry and Laboratory Medicine* 30 (2020) 010701, doi:10.11613/BM.2020.010701.
102. Prđun, Saša; Kremer, Dario; Bubalo, Dragan; Svečnjak, Lidija. Physico-chemical, melissopalynological and sensory characteristics of Satsuma mandarin honey (*Citrus unshiu* Marc.), *Journal of Central European agriculture* 21 (2020) 256-267, doi:10.5513/JCEA01/21.2.2787.
103. Vacchini, Mattia; Cipolla, Laura; Gornik, Olga; Lauc, Gordan; Klarić, Thomas. A precise and versatile platform for rapid glycosylation analysis of brain tissue, *Analytical methods* 12 (2020) 1786-1797, doi:10.1039/c9ay02596k.
104. Marušić, Katarina; Šegvić Klarić, Maja; Sinčić, Lucija; Pucić, Irina; Mihaljević, Branka. Combined effects of gamma-irradiation, dose rate and mycobiota activity on cultural heritage - Study on model paper, *Radiation physics and chemistry* 170 (2020) 108641, doi:10.1016/j.radphyschem.2019.108641.
105. Jeličić, Mario-Livio; Brusač, Edvin; Amidžić Klarić, Daniela; Nigović, Biljana; Keser, Sabina; Mornar, Ana. Physicochemical compatibility investigation of mesalazine and folic acid using chromatographic and thermoanalytical techniques, *Pharmaceuticals* 13 (2020) 187, doi:10.3390/ph13080187.
106. Krasić, Jure; Škara, Lucija; Ulamec, Monika; Katušić Bojanac, Ana; Dabelić, Sanja; Bulić-Jakuš, Floriana; Ježek, Davor; Sinčić, Nino. Teratoma growth retardation by HDACi treatment of the tumor embryonal source, *Cancers* 12 (2020) 3416, doi:10.3390/cancers12113416.
107. Miler, Marijana; Nikolac Gabaj, Nora; Grazio, Simeon; Vahtarić, Antonio; Vrtarić, Alen; Grubišić, Frane; Skala Kavanagh, Hana; Doko Vajdić, Ines; Vrkić, Nada. Lower concentration of vitamin D is associated with lower DAS28 and VAS-pain scores in patients with inflammatory rheumatic diseases treated with infliximab: a pilot study, *Rheumatology international* 40 (2020) 1455-1461, doi:10.1007/s00296-020-04607-3.
108. Duka, Ivan; Gerić, Marko; Gajski, Goran; Friščić, Maja; Maleš, Željan; Domijan, Ana-Marija; Turčić, Petra. Optimization of a fast screening method for the assessment of low molecular weight thiols in human blood and plasma suitable for biomonitoring studies, *Journal of environmental science and health, part A: toxic/hazardous substances and environmental engineering* 55 (2020) 275-280, doi:10.1080/10934529.2019.1687236.

109. Toma, Mateja; Kuvek, Tea; Vrček, Valerije. Ionization energy and reduction potential in ferrocene derivatives. Comparison of hybrid and pure DFT functionals, *The journal of physical chemistry. A, Molecules, spectroscopy, kinetics, environment, & general theory* 124 (2020) 8029-8039, doi:10.1021acs.jpca.0c06663.
110. Amidžić Klarić, Daniela; Klarić, Ilija; Mornar, Ana; Velić, Natalija; Velić, Darko. Assessment of Bioactive Phenolic Compounds and Antioxidant Activity of Blackberry Wines, *Foods* 9 (2020) 1623, doi:10.3390/foods9111623.
111. Žarak, Marko; Perović, Antonija; Dobrović, Irena; Šupraha Goreta, Sandra; Dumić, Jerka. Galectin-3 and cardiovascular biomarkers reflect adaptation response to scuba diving, *International journal of sports medicine* 41 (2020) 285-291, doi:10.1055a-1062-6701.
112. Pathak, Manish; Pathak, Prateek; Rimac, Hrvoje; Grishina, Maria; Bagale, Uday; Kumar, Vikas; Majee, Rahul; Potemkin, Vladimir; Verma, Amita. Attenuation of hepatic and breast cancer cells by Polygonatum verticillatum embedded silver nanoparticles, *Biocatalysis and agricultural biotechnology* 30 (2020) 101863, doi:10.1016j.bcab.2020.101863.
113. Culej, Jelena; Nikolac Gabaj, Nora; Štefanović, Mario; Karlović, Dalibor. Prediction of schizophrenia using MAOA-uVNTR polymorphism: A case-control study, *Indian Journal of Psychiatry* 62 (2020) 80-86, doi:10.4103psychiatry.indianjpsychiatry\_54\_19.
114. Perović, Antonija; Žarak, Marko; Njire Bratičević, Marina; Dumić, Jerka. Effects of recreational scuba diving on erythropoiesis—"normobaric oxygen paradox" or "plasma volume regulation" as a trigger for erythropoietin?, *European journal of applied physiology* 120 (2020) 1689-1697, doi:10.1007s00421-020-04395-5.
115. Lasić, Kornelija; Mornar, Ana; Nigović, Biljana. Quality by Design (QbD) approach for the development of a rapid UHPLC method for simultaneous determination of aglycone and glycoside forms of isoflavones in dietary supplements, *Analytical methods* 12 (2020) 2082-2092, doi:10.1039C9AY02778E.
116. Duka, Ivan; Maleš, Željan; Bojić, Mirza; Hruševan, Dario; Mitić, Božena. Chemical fingerprinting, total phenolics and antioxidant activity of some Iris taxa, *Croatica chemica acta* 93 (2020) 49-56, doi:10.5562cca3673.
117. Hlapčić, Iva; Belamarić, Daniela; Bosnar, Martina; Kifer, Domagoj; Vukić Dugac, Andrea; Rumora, Lada. Combination of systemic inflammatory biomarkers in assessment of chronic obstructive pulmonary disease: diagnostic performance and identification of networks and clusters, *Diagnostics* 10 (2020) 1029, doi:10.3390/diagnostics10121029.
118. Lippi, Giuseppe; Šimundic, Ana-Maria; Plebani, Mario. Potential preanalytical and analytical vulnerabilities in the laboratory diagnosis of coronavirus disease 2019 (COVID-19), *Clinical chemistry and laboratory medicine* 58 (2020) 1070-1076, doi:10.1515cclm-2020-0285.
119. Nikolac Gabaj, Nora; Pavičić, Tomislav; Vrtarić, Alen; Milevoj Kopčinović, Lara; Herman Mahečić, Davorka; Bolanča, Ivan; Culej, Jelena; Miler, Marijana; Unić, Adriana. In sickness and in health: pivotal role of vitamin D, *Biochimia medica* 30 (2020) 202-214, doi:10.11613bm.2020.020501.
120. Bach-Rojecky, Lidija; Drinovac Vlah, Višnja. Botulinum toxin type A: basic pharmacological profile and therapeutic applications, *Arhiv za farmaciju* 70 (2020) 10-19, doi:10.5937arhfarm2001010b.
121. Barrientos, Gabriela; Habazin, Siniša; Novokmet, Mislav; Almousa, Yahia; Lauc, Gordan; Conrad, Melanie L. Changes in subclass-specific IgG Fc glycosylation associated with the postnatal maturation of the murine immune system, *Scientific reports* 10 (2020) 15243, doi:10.1038s41598-020-71899-7.
122. Benedetti, Elisa; Gerstner, Nathalie; Pučić-Baković, Maja; Keser, Toma; Reiding, Karli R.; Ruhaak, L. Renee; Štambuk, Tamara; Selman, Maurice H.J.; Rudan, Igor; Polašek, Ozren et al. Systematic evaluation of normalization methods for glycomics data based on performance of network inference, *Metabolites* 10 (2020) 271, doi:10.3390metabo10070271.
123. Jakšić, Daniela; Sertić, Miranda; Kocsube, Sandor; Kovačević, Ivana; Kifer, Domagoj; Mornar, Ana; Nigović, Biljana; Šegvić Klarić, Maja. Post-flood impacts on occurrence and distribution of

mycotoxin-producing Aspergilli from the sections Circumdati, Flavi, and Nigri in indoor environment, Journal of fungi 6 (2020) 282, doi:10.3390/jof6040282.

124. Vilović, Tihana; Šegota, Vedran; Bilić, Kristina; Nikolić, Toni. Searching for invasive aliens: A case study from ZA & ZAHO herbarium collections, *Natura Croatica* : periodicum Musei historiae naturalis Croatici 29 (2020) 99-108, doi:10.20302/NC.2020.29.9.

Publikacije objavljene u 2021.

1. Mahrholdt, Julia; Kovalski, Eduard; Korb, Marcus; Hildebrandt, Alexander; Vrček, Valerije; Lang, Heinrich. Ferrocene-fused acenequinones: synthesis, structure and reaction chemistry, European journal of inorganic chemistry 2021 (2021) 578-589, doi:10.1002/ejic.202000956.
2. Klarić, Thomas S.; Salopek, Matija; Micek, Vedran; Gornik Kljaić, Olga; Lauc, Gordan. Post-natal developmental changes in the composition of the rat neocortical N-glycome, Glycobiology 31 (2021) 636-648, doi:10.1093/glycob/waa108.
3. Werner, Anja; Schäfer, Simon; Zaytseva, Olga; Albert, Heike; Lux, Anja; Krištić, Jasmina; Pezer, Marija; Lauc, Gordan; Winkler, Thomas; Nimmerjahn, Falk. Targeting B cells in the pre-phase of systemic autoimmunity globally interferes with autoimmune pathology, iScience 24 (2021) 103076, doi:10.1016/j.isci.2021.103076.
4. Marinović, Ivana; Bačić Vrca, Vesna; Samardžić, Ivana; Marušić, Srećko; Grgurević, Ivica. Potentially inappropriate medications involved in drug-drug interactions at hospital discharge in Croatia, International journal of clinical pharmacy 43 (2021) 566-576, doi:10.1007/s11096-020-01164-4.
5. Tanuhadi, Elias; Gumerova, Nadiia I.; Prado-Roller, Alexander; Galanski, Markus; Čipčić-Paljetak, Hana; Verbanac, Donatella; Rompel, Annette. Aluminum-substituted Keggin germanotungstate [HAI(H<sub>2</sub>O)<sub>6</sub>GeW<sub>11</sub>O<sub>39</sub>]<sup>4-</sup>: synthesis, characterization, and antibacterial activity, Inorganic chemistry 60 (2021) 28-31, doi:10.1021/acs.inorgchem.0c03311.
6. Bíró, Tivadar; Bocsik, Alexandra; Jurišić Dukovski, Bisera; Gróf, Ilona; Lovrić, Jasmina; Csóka, Ildikó; A Deli, Mária; Aigner, Zoltán. New approach in ocular drug delivery: in vitro and ex vivo investigation of cyclodextrin-containing, mucoadhesive eye drop formulations, Drug design development and therapy 15 (2021) 351-360, doi:10.2147/DDDT.S264745.
7. Radišić Biljak, Vanja; Vidranski, Valentina; Šimundić, Ana-Maria; Ružić, Lana; Vidranski, Tihomir. Women in sports: the applicability of common national reference intervals for inflammatory and coagulation biomarkers (HemSter Study), Biochimia medica 31 (2021) 66-73, doi:10.11613/bm.2021.010702.
8. Kifer, Domagoj; Louca, Panayiotis; Cvetko, Ana; Deriš, Helena; Cindrić, Ana; Grallert, Harald; Peters, Annette; Polašek, Ozren; Gornik, Olga; Mangino, Massimo et al. N-glycosylation of immunoglobulin G predicts incident hypertension, Journal of hypertension 38 (2021) 34285147, doi:10.1097/hjh.0000000000002963.
9. Futo, Momir; Opašić, Luka; Koska, Sara; Čorak, Nina; Široki, Tin; Ravikumar, Vaishnavi; Thorsell, Annika; Lenuzzi, Maša; Kifer, Domagoj; Domazet-Lošo, Mirjana et al. Embryo-like features in developing *Bacillus subtilis* biofilms, Molecular biology and evolution 38 (2021) 31-47, doi:10.1093/molbev/msaa217.
10. Nazlić, Marija; Fredotović, Željana; Vuko, Elma; Fabijanić, Lea; Kremer, Dario; Stabentheiner, Edith; Ruščić, Mirko; Dunkić, Valerija. Wild Species *Veronica officinalis* L. and *Veronica saturejoides* Vis. ssp. *saturejoides*-Biological Potential of Free Volatiles, Horticulturae 7 (2021) 295, doi:10.3390/horticulturae7090295.
11. Račić, Andjelka; Čalija, Bojan; Milić, Jela; Jurišić Dukovski, Bisera; Lovrić, Jasmina; Dobričić, Vladimir; Micov, Ana; Vuković, Milja; Stepanović-Petrović, Radica; Krajišnik, Danina. Formulation of olopatadine hydrochloride viscous eye drops – physicochemical, biopharmaceutical and efficacy assessment using in vitro and in vivo approaches, European journal of pharmaceutical sciences 166 (2021) 105906, doi:10.1016/j.ejps.2021.105906.
12. Novak, Jurica; Rimac, Hrvoje; Kandagalla, Shivananda; Grishina, Maria A.; Potemkin, Vladimir A. Can natural products stop the SARS-CoV-2 virus? A docking and molecular dynamics study of a natural product database, Future Medicinal Chemistry 13 (2021) 363-378, doi:10.4155/fmc-2020-0248.
13. Pfeifer, Danijela; Rešetar, Josip; Gajdoš Kljusurić, Jasenka; Panjkota Kravčić, Ines; Vranešić Bender, Darija; Rodríguez-Pérez, Celia; Ruíz-López, María Dolores; Šatalić, Zvonimir. Cooking at Home and Adherence to the Mediterranean Diet During the COVID-19 Confinement: The Experience From the Croatian COVIDDiet Study, Frontiers in nutrition 8 (2021) 617721, doi:10.3389/fnut.2021.617721.

14. Margui, Eva; Jablan, Jasna; Queralt, Ignasi; Bilo, Fabjola; Borgese, Laura. Potential of total-reflection X-ray spectrometry for multielement analysis of biological samples using dilution or suspension sample preparation techniques, *X-Ray Spectrometry* 51 (2021) 230-240, doi:10.1002/xrs.3230.
15. Pem, Barbara; Toma, Mateja; Vrček, Valerije; Vinković Vrček, Ivana. Combined NMR and computational study of cysteine oxidation during nucleation of metallic clusters in biological systems, *Inorganic chemistry* 60 (2021) 4144-4161, doi:10.1021/acs.inorgchem.1c00321.
16. Habazin, Siniša; Mlinarević, Dražen; Balog, Marta; Bardak, Ana; Gaspar, Robert; Szűcs, Kálmán Ferenc; Vari, Sandor G.; Vučković, Frano; Lauc, Gordan; Novokmet, Mislav; Heffer, Marija. High-throughput rat immunoglobulin G N-glycosylation profiling revealed subclass-specific changes associated with chronic stress, *Journal of Proteomics* 245 (2021) 104293, doi:10.1016/j.jprot.2021.104293.
17. Nižić Nodilo, Laura; Ugrina, Ivo; Špoljarić, Drago; Amidžić Klarić, Daniela; Jakobušić Brala, Cvijeta; Perkušić, Mirna; Pepić, Ivan; Lovrić, Jasmina; Saršon, Vesna; Safundžić Kučuk, Maša Zadravec, Dijana; Kalogdjera, Livije; Hafner, Anita. A Dry Powder Platform for Nose-to-Brain Delivery of Dexamethasone: Formulation Development and Nasal Deposition Studies, *Pharmaceutics* 13 (2021) 795, doi:10.3390/pharmaceutics13060795.
18. Matić, Mirela; Denegri, Bernard. Prediction of the kinetic stability of N-alkyl X-pyridinium ions in dichloromethane, *Journal of physical organic chemistry* 34 (2021) e4248, doi:10.1002/poc.4248.
19. Jurić, Slaven; Jurić, Marina; Režek Jambrak, Anet; Vinceković, Marko. Tailoring Alginato Chitosan Microparticles Loaded with Chemical and Biological Agents for Agricultural Application and Production of Value-Added Foods, *Applied Sciences* 11 (2021) 4061, doi:10.3390/app11094061.
20. Pathak, Prateek; Rimac, Hrvoje; Grishina, Maria; Verma, Amita; Potemkin, Vladimir. Hybrid quinazoline 1,3,5-triazines as epidermal growth factor receptor (EGFR) inhibitors with anticancer activity: design, synthesis, and computational study, *ChemMedChem* 16 (2021) 822-838, doi:10.1002/cmcd.202000646.
21. Adua, Eric; Memarian, Elham; Afrifa-Yamoah, Ebenezer; Russell, Alyce; Trbojević-Akmačić, Irena; Gudelj, Ivan; Jurić, Julija; Roberts, Peter; Lauc, Gordan; Wang, Wei. N-glycosylation profiling of Type 2 diabetes mellitus from baseline to follow-up: an observational study in a Ghanaian population, *Biomarkers in medicine* 15 (2021) 467-480, doi:10.2217/bmm-2020-0615.
22. Paštrović, Frane; Lucijanić, Marko; Atic, Armin; Stojić, Josip; Barišić-Jaman, Mislav; Tješić Drinković, Ida; Zelenika, Marko; Milošević, Marko; Medić, Barbara; Lončar, Jelena et al. Prevalence and prognostic impact of deranged liver blood tests in COVID-19: Experience from the regional COVID-19 center over the cohort of 3812 hospitalized patients, *Journal of clinical medicine* 10 (2021) 4222, doi:10.3390/jcm10184222.
23. Zelenika, Marko; Lucijanić, Marko; Bokun, Tomislav; Božin, Tonći; Barišić Jaman, Mislav; Tješić Drinković, Ida; Paštrović, Frane; Madir, Anita; Lukšić, Ivica; Piskač Živković, Nevenka et al. FibroScan-ast score predicts 30-day mortality or need for mechanical ventilation among patients hospitalized with COVID-19, *Journal of clinical medicine* 10 (2021) 4355, doi:10.3390/jcm10194355.
24. Petrović, Tea; Alves, Inês; Bugada, Dario; Pascual, Julio; Vučković, Frano; Skelin, Andrea; Gaifem, Joana; Villar-Garcia, Judit; Vicente, Manuel M; Fernandes, Ângela et al. Composition of the immunoglobulin G glycome associates with the severity of COVID-19, *Glycobiology* 31 (2021) 372-377, doi:10.1093/glycob/cwaa102.
25. Bach-Rojecky, Lidija; Lacković, Zdravko. A century of phage therapy: from novel discoveries about the past to the challenges of the today, *Die Pharmazie* 76 (2021) 519-521, doi:10.1691/ph.2021.1114Pharmazie.
26. Shkunnikova, Sofia; Zipse, Hendrik; Šakić, Davor. Role of substituents in the Hofmann–Löffler–Freytag reaction. A quantum-chemical case study on nicotine synthesis, *Organic & biomolecular chemistry* 19 (2021) 854-865, doi:10.1039d0ob02187c.
27. Ćurlin, Marija; Barbir, Rinea; Dabelić, Sanja; Ljubojević, Marija; Goessler, Walter; Micek, Vedran; Žuntar, Irena; Pavić, Mirela; Božičević, Lucija; Pavičić, Ivan; Vinković Vrček, Ivana. Sex affects the response of Wistar rats to polyvinyl pyrrolidone (PVP)-coated silver nanoparticles in an oral 28 days

- repeated dose toxicity study, Particle and Fibre Toxicology 18 (2021) 38, doi:10.1186s12989-021-00425-y.
- 28. Čeprnja, Marina; Oros, Damir; Melvan, Ena; Svetličić, Ema; Škrlin, Jasenka; Barišić, Karmela; Starčević, Lucija; Žučko, Jurica; Starčević, Antonio. Modeling of urinary microbiota associated with cystitis, Frontiers in cellular and infection microbiology 11 (2021) 643638, doi:10.3389/fcimb.2021.643638.
  - 29. Pavić, Kristina; Beus, Maja; Poje, Goran; Uzelac, Lidija; Kralj, Marijeta; Rajić, Zrinka. Synthesis and Biological Evaluation of Harmirins, Novel Harmine–Coumarin Hybrids as Potential Anticancer Agents, Molecules 26 (2021) 6490, doi:10.3390molecules26216490.
  - 30. Demus, Daniel; Jansen, Bas C.; Gardner, Richard A.; Urbanowicz, Paulina A.; Wu, Haiyang; Stambuk, Tamara; Juszczak, Agata; Medvidovic, Edita Pape; Juge, Nathalie; Gornik, Olga et al. Interlaboratory evaluation of plasma N-glycan antennary fucosylation as a clinical biomarker for HNF1A-MODY using liquid chromatography methods, Glycoconjugate journal 38 (2021) 375-386, doi:10.1007/s10719-021-09992-w.
  - 31. Lemić, Darija; Orešković, Matej; Mikac, Katarina M.; Marijan, Marijan; Jurić, Slaven; Vlahoviček-Kahlina, Kristina; Vincelović, Marko. Sustainable Pest Management Using Biodegradable Apitoxin-Loaded Calcium-Alginate Microspheres, Sustainability 13 (2021) 6167, doi:10.3390su13116167.
  - 32. Zenić, Lucija; Polančec, Denis; Hudetz, Damir; Jelec, Željko; Rod, Eduard; Vidović, Dinko; Starešinić, Mario; Sabalić, Srećko; Vrdoljak, Trpimir; Petrović, Tadija et al. Polychromatic flow cytometric analysis of stromal vascular fraction from lipoaspirate and microfragmented counterparts reveals sex-related immunophenotype differences, Genes 12 (2021) 1999, doi:10.3390genes12121999.
  - 33. Marguí, Eva; Dalipi, Rogerta; Sangiorgi, Emanuele; Bival Štefan, Maja; Sladonja, Katarina; Rogga, Vanessa; Jablan Jasna. Determination of essential elements (Mn, Fe, Cu and Zn) in herbal teas by TXRF, FAAS and ICP-OES, X-Ray Spectrometry 51 (2021) 204-213, doi:10.1002xrs.3241.
  - 34. Vilaj, Marija; Lauc, Gordana; Trbojević-Akmačić, Irena. Evaluation of different PNGase F enzymes in immunoglobulin G and total plasma N-glycans analysis, Glycobiology 31 (2021) 2-7, doi:10.1093glycobcwaa047.
  - 35. Barbir, Rinea; Capjak, Ivona; Crnković, Tea; Debeljak, Željko; Domazet Jurašin, Darija; Ćurlin, Marija; Šinko, Goran; Weitner, Tin; Vinković Vrček, Ivana. Interaction of silver nanoparticles with plasma transport proteins: A systematic study on impacts of particle size, shape and surface functionalization, Chemico-biological interactions 335 (2021) 109364, doi:10.1016j.cbi.2020.109364.
  - 36. Žarak, Marko; Perović, Antonija; Njire Bratičević, Marina; Šupraha Goreta, Sandra; Dumić, Jerka. Adaptive response triggered by the repeated SCUBA diving is reflected in cardiovascular, muscular, and immune biomarkers, Physiological reports 9 (2021) 1-13, doi:10.1481phy2.14691.
  - 37. Juszczak, Aleksandra Maria; Czarnomysy, Robert; Strawa, Jakub Władysław; Zovko Končić, Marijana; Bielawski, Krzysztof; Tomczyk, Michał. In Vitro Anticancer Potential of Jasione montana and Its Main Components against Human Amelanotic Melanoma Cells, International Journal of Molecular Sciences 22 (2021) 3345, doi:10.3390ijms22073345.
  - 38. Monaghan, Tanya M.; Biswas, Rima N.; Nashine, Rupam R.; Joshi, Samidha S.; Mullish, Benjamin H.; Seekatz, Anna M.; Blanco, Jesus Miguens; McDonald, Julie A. K.; Marchesi, Julian R.; Yau, Tung on et al. Multiomics Profiling Reveals Signatures of Dysmetabolism in Urban Populations in Central India, Microorganisms 9 (2021) 1485, doi:10.3390microorganisms9071485.
  - 39. Petrić, Zvonimir; Ružić, Julija; Žuntar, Irena. The controversies of parabens – an overview nowadays, Acta pharmaceutica 71 (2021) 17-32, doi:10.2478acph-2021-0001.
  - 40. Petrić, Zvonimir; Žuntar, Irena; Putnik, Predrag; Bursać Kovačević, Danijela. Food–Drug Interactions with Fruit Juices, Foods 10 (2021) 33, doi:10.3390foods10010033.
  - 41. Marić, Tihana; Katusić Bojanac, Ana; Matijević, Ana; Ceppi, Marcello; Bruzzone, Marco; Evgeni, Evangelini; Petrović, Tea; Wójcik, Iwona; Trbojević-Akmačić, Irena; Lauc, Gordana et al. Seminal plasma protein N-glycan peaks are potential predictors of semen pathology and sperm chromatin maturity in men, Life 11 (2021) 989, doi:10.3390life11090989.

42. Grgurević, Ivica; Salkić, Nermin; Mustapić, Sanda; Bokun, Tomislav; Podrug, Kristian; Marušić, Srećko; Rahelić, Dario; Matić, Tomas; Skurla, Viktorija; Mikolašević, Ivana. Liver and Nonliver-Related Outcomes at 2 Years Are Not Influenced by the Results of the FIB-4 Test and Liver Elastography in a Real-Life Cohort of Patients with Type 2 Diabetes, *Canadian journal of gastroenterology & hepatology* 2021 (2021) 5582813, doi: 10.1155/2021/5582813.
43. Jug, Mario; Yoon, Bo Kyeong; Jackman, Joshua Alexander. Cyclodextrin-based Pickering emulsions: functional properties and drug delivery applications, *Journal of inclusion phenomena and macrocyclic chemistry* 101 (2021) 31-50, doi:10.1007s10847-021-01097-z.
44. Inić, Suzana; Flegar, Vanja. Adolf Thierry and the first pharmaceutical factory in Southeast Europe, *Die Pharmazie* 76 (2021) 119-125, doi: 10.1691/ph.2021.0140.
45. Kondža, Martin; Bojić, Mirza; Tomić, Ivona; Maleš, Željan; Rezić, Valentina; Ćavar, Ivan. Characterization of the CYP3A4 enzyme inhibition potential of selected flavonoids, *Molecules* 26 (2021) 3018, doi:10.3390molecules26103018.
46. Kremer, Dario; Zovko Končić, Marijana; Kosalec, Ivan; Košir, Iztok Jože; Potočnik, Tanja; Čerenak, Andreja; Srećec, Siniša; Dunkić, Valerija; Vuko, Elma. Phytochemical Traits and Biological Activity of Eryngium amethystinum and E. alpinum (Apiaceae), *Horticulturae* 7 (2021) 364, doi:10.3390horticulturae7100364.
47. Brusač, Edvin; Jeličić, Mario-Livio; Amidžić Klarić, Daniela; Nigović, Biljana; Keser, Sabina; Mornar, Ana. Development of a HPLC-DAD stability-indicating method and compatibility study of azathioprine and folic acid as a prerequisite for a monolayer fixed-dose combination, *Analytical methods* 13 (2021) 1422-1431, doi:10.1039d1ay00294e.
48. Samardžić, Ivana; Marinović, Ivana; Kuča, Nikolina; Bačić Vrca, Vesna. Potential clinically significant drug-drug interactions in prescribed pharmacotherapy in an outpatient setting, *Die Pharmazie* 76 (2021) 390-395, doi:10.1691/ph.2021.1561.
49. Kezele Špehar, Tatjana; Počnjić, Marijana; Klarić, David; Bertoša, Branimir; Čikoš, Ana; Jug, Mario; Padovan, Jasna; Dragojević, Snježana; Galić, Nives. Investigation of praziquantel cyclodextrin inclusion complexation by NMR and LC-HRMS/MS: mechanism, solubility, chemical stability and degradation products. *Molecular pharmaceutics* 18 (2021) 4210-4223, doi:10.1021/acs.molpharmaceut.1c00716.
50. Bago, Martina; Butković, Ana; Preložnik Zupan Irena; Faganel Kotnik, Irena; Prga, Ivana; Bačić Vrca, Vesna; Zupančić Salek, Silva. Association between reported medication adherence and health-related quality of life in adult patients with haemophilia, *International journal of clinical pharmacy* 43 (2021) 1500-1507, doi:10.1007s11096-021-01270-x.
51. Kremer, Dario; Košir, Iztok Jože; Potočnik, Tanja; Rogulj, Nikolina; Načinović, Karla; Randić, Marko; Srećec, Siniša; Jurišić Grubešić, Renata. Phenolic compounds in two subspecies of Drypis spinosa L. (Caryophyllaceae) in Croatia, *Acta botanica Croatica* 80 (2021) 43-47, doi:10.37427botcro-2020-015.
52. Jeličić, Mario-Livio; Brusač, Edvin; Kurajica, Stanislav; Cvetnić, Matija; Amidžić Klarić, Daniela; Nigović, Biljana; Mornar, Ana. Drug-drug compatibility evaluation of sulfasalazine and folic acid for fixed-dose combination development using various analytical tools, *Pharmaceutics* 13 (2021) 400, doi:.org103390pharmaceutics13030400.
53. Ožvald, Ivan; Božičević, Dragan; Duh, Lidija; Vinković Vrček, Ivana; Pavičić, Ivan; Domijan, Ana-Marija; Milić, Mirta. Effects of a 3-week hospital-controlled very-low-calorie diet in severely obese patients, *Nutrients* 13 (2021) 4468, doi:10.3390nu13124468.
54. Jablan, Jasna; Besalú, Emili; Žarak, Marko; Dumić, Jerka; Marguí, Eva. Analytical potential of total reflection X-ray fluorescence spectrometry for simultaneous determination of iron, copper and zinc in human blood serum and plasma, *Talanta* 233 (2021) 1-9, doi:10.1016j.talanta.2021.122553.
55. Marinović, Ivana; Bačić Vrca, Vesna; Samardžić, Ivana; Marušić, Srećko; Grgurević, Ivica; Papić, Ivan; Grgurević, Dijana; Brkić, Marko; Jambrek, Nada; Mesarić, Jasna. Impact of an integrated medication reconciliation model led by a hospital clinical pharmacist on the reduction of post-discharge

- unintentional discrepancies, *Journal of clinical pharmacy and therapeutics* 46 (2021) 1326-1333, doi:10.1111/jcpt.13431.
- 56. Stupin, Ana; Cvetko, Ana; Kralik, Gordana; Mihalj, Martina; Šušnjara, Petar; Kolobarić, Nikolina; Breškić Ćurić, Željka; Lukinac, Ana Marija; Kibel, Aleksandar; Selthofer-Relatić, Kristina et al. The effect of n-3 polyunsaturated fatty acids enriched hen eggs consumption on IgG and total plasma protein N-glycosylation in healthy individuals and cardiovascular patients, *Glycobiology*, 31 (2021) 1163-1175, doi:10.1093/glycob/wab051.
  - 57. Pocnić, Marijana; Kontrec, Darko; Miljanić, Snežana; Soldin, Željka; Budimir, Ana; Galić, Nives. Gallium(III) complexes of arylhydrazones derived from nicotinic acid hydrazide in solid state and in solution, *Journal of molecular structure* 1227 (2021) 129564, doi:10.1016/j.molstruc.2020.129564.
  - 58. Novak, Helena; Tadić, Ivana; Falamić, Slaven; Ortner Hadžiabdić, Maja. Pharmacists' role, work practices, and safety measures against COVID-19: A comparative study, *Journal of the american pharmacists association* 61 (2021) 398-407, doi:10.1016/j.japh.2021.03.006.
  - 59. Marić, Tihana; Friščić, Maja; Marijanović, Zvonimir; Maleš, Željan; Jerković, Igor. Comparison of volatile organic compounds of Sideritis romana L. and Sideritis montana L. from Croatia, *Molecules* 26 (2021) 5968, doi:10.3390/molecules26195968.
  - 60. Jeličić, Mario-Livio; Brusač, Edvin; Kurajica, Stanislav; Cvetnić, Matija; Amidžić Klarić, Daniela; Nigović, Biljana; Mornar, Ana. Thermoanalytical, spectroscopic and chromatographic approach to physicochemical compatibility investigation of 5-aminosalicylates and folic acid, *Croatica chemica acta* 94 (2021) 25-33, doi:10.5562cca3799.
  - 61. Tomić, Ivona; Miočić, Sandra; Pepić, Ivan; Šimić, Dubravka; Filipović-Grčić, Jelena. Efficacy and safety of azelaic acid nanocrystal-loaded in situ hydrogel in the treatment of acne vulgaris, *Pharmaceutics* 13 (2021) 567, doi:10.3390/pharmaceutics13040567.
  - 62. Radić, Irena; Runje, Mislav; Cvetnić, Matija; Halužan, Maja; Jeličić, Mario-Livio; Miloloža, Martina; Kučić Grgić, Dajana; Prevarić, Viktorija; Ukić, Šime; Bolanča, Tomislav. Validation of the ICP-MS method for determination of trace elements provided by ICH Q3D guideline in fosamprenavir calcium, *Kemija u industriji : časopis kemičara i tehnologa Hrvatske* 70 (2021) 701-709, doi:10.15255/KUI.2021.004.
  - 63. Rimac, Hrvoje; Grishina, Maria; Potemkin, Vladimir. Use of the complementarity principle in docking procedures: a new approach for evaluating the correctness of binding poses, *Journal of chemical information and modeling* 61 (2021) 1801-1813, doi:10.1021/acs.jcim.0c01382.
  - 64. Babić, Antonija; Kurić, Lejla; Zelić Kerep, Ana; Desnica, Lana; Lelas, Antonela; Milošević, Milan; Serventi-Seiwerth, Ranka; Duraković, Nadira; Perić, Zinaida; Mravak Stipetić, Marinka et al. B regulatory cells and monocyte subpopulations in patients with chronic graft-vs-host disease, *Croatian medical journal* 62 (2021) 154-164, doi:10.3325/cmj.2021.62.154.
  - 65. Samardžić, Ivana; Marinović, Ivana; Matković, Iva; Mamić, Ivan; Bačić Vrca, Vesna. Antimicrobial drugs involved in potential drug-drug-interactions in cardiosurgical patients, *Die Pharmazie* 76 (2021) 6-11, doi:10.1691/ph.2021.0774.
  - 66. Bago, Martina; Butković, Ana; Faganel Kotnik, Barbara; Prga, Ivana; Bačić Vrca, Vesna; Zupančić Šalek, Silva; Preložnik Zupan, Irena. Health-related quality of life in patients with haemophilia and its association with depressive symptoms: a study in Croatia and Slovenia, *Psychiatria Danubina* 33 (2021) 334-341, doi:10.24869/psyd.2021.334.
  - 67. Jabłonowska, Magda; Čiganović, Petar; Jablan, Jasna; Marguš, Eva; Tomczyk, Michał; Zovko Končić, Marijana. Silybum marianum glycerol extraction for the preparation of high-value anti-ageing extracts, *Industrial Crops and Products* 168 (2021) 113613, doi:10.1016/j.indcrop.2021.113613.
  - 68. Kifer, Domagoj; Bugada, Dario; Villar-Garcia, Judit; Gudelj, Ivan; Menni, Cristina; Sudre, Carole; Vučković, Frano; Ugrina, Ivo; Lorini, Luca F.; Posso, Margarita et al. Effects of environmental factors on severity and mortality of COVID-19, *Frontiers in medicine* 7 (2021) 607786, doi:10.3389/fmed.2020.607786.

69. Vazdar, Ljubica; Gabrić, Ivo Darko; Kruljac, Ivan; Pintarić, Hrvoje; Šeparović, Robert; Kirigin Biloš, Lora Stanka; Pavlović, Mirjana; Tečić Vuger, Ana; Štefanović, Mario. Influence of Ile655Val polymorphism on trastuzumab-induced cardiotoxicity in early-stage HER2 positive breast cancer, *Scientific reports* 11 (2021) 14395, doi:10.1038s41598-021-93634-6.
70. Krasić, Jure; Abramović, Irena; Vrtarić, Alen; Nikolac Gabaj, Nora; Kralik-Ogulić, Saša; Katušić Bojanac, Ana; Ježek, Davor; Sinčić, Nino. Impact of preanalytical and analytical methods on cell-free DNA diagnostics, *Frontiers in cell and developmental biology*, 9 (2021) 686149, doi:10.3389fcell.2021.686149.
71. Rezić, Iva; Majdak, Mislav; Ljoljić Bilić, Vanja; Pokrovac, Ivan; Martinaga, Lela; Somogyi Škoc, Maja; Kosalec, Ivan. Development of Antibacterial Protective Coatings Active Against MSSA and MRSA on Biodegradable Polymers, *Polymers* 13 (2021) 659, doi:10.3390polym13040659.
72. Huus, Kelsey E.; Frankowski, Marcin; Pučić-Baković, Maja; Vučković, Frano; Lauc, Gordan; Mullish, Benjamin H.; Marchesi, Julian R.; Monaghan, Tanya M.; Kao, Dina; Finlay, B. Brett. Changes in IgA-targeted microbiota following fecal transplantation for recurrent *Clostridioides difficile* infection, *Gut microbes* 13 (2021) 1-12, doi:10.1080/19490976.2020.1862027.
73. Monaghan, Tanya M.; Duggal, Niharika A.; Rosati, Elisa; Griffin, Ruth; Hughes, Jamie; Roach, Brandi; Yang, David Y.; Wang, Christopher; Wong, Karen; Saxinger, Lynora et al. A Multi-Factorial Observational Study on Sequential Fecal Microbiota Transplant in Patients with Medically Refractory *Clostridioides difficile* Infection, *Cells* 10 (2021) 3234, doi:10.3390cells10113234.
74. Marinović, Marina; Poje, Goran; Perković, Ivana; Fontinha, Diana; Prudêncio, Miguel; Held, Jana; Pessanha de Carvalho, Lais; Tandarić, Tana; Vianello, Robert; Rajić, Zrinka. Further investigation of harmicines as novel antiplasmodial agents: synthesis, structure-activity relationship and insight into the mechanism of action, *European journal of medicinal chemistry* 224 (2021) 113687, doi:10.1016j.ejmech.2021.113687.
75. Vlaić, Josipa; Jović, Ozren; Kosalec, Ivan; Vugrek, Oliver; Čoz-Rakovac, Rozelindra; Šmuc, Tomislav. In Vitro Confirmation of Siramesine as a Novel Antifungal Agent with In Silico Lead Proposals of Structurally Related Antifungals, *Molecules* 26 (2021) 3504, doi:10.3390molecules26123504.
76. Bolarić, Snježana; Dragojević Müller, Ivna; Vokurka, Aleš; Vitali Čepo, Dubravka; Ruščić, Mirko; Srećec, Siniša; Kremer, Dario. Morphological and molecular characterization of Croatian carob tree (*Ceratonia siliqua* L.) germplasm, *Turkish journal of agriculture and forestry* 45 (2021) 807-818, doi:10.3906tar-2107-24.
77. Bronić, Ana; Ferenčák, Goran, Bernat Robert, Leniček Krleža, Jasna, Dumić, Jerka; Dabelić, Sanja. Association of fibrinogen and plasmin inhibitor, but not coagulation factor XIII gene polymorphisms with coronary artery disease, *Journal of medical biochemistry* 40 (2021) 138-149, doi:10.5937/jomb0-26839.
78. (ENABLE) Ágh T, van Boven JF, Wettermark B, Menditto E, Pinnock H, Tsiligianni I, Petrova G, Potočnjak I, Kamberi F, Kardas P. ENABLE collaborators. A cross-sectional survey on medication management practices for noncommunicable diseases in Europe during the second wave of the COVID-19 pandemic, *Frontiers in pharmacology* 12 (2021) 685696, doi:10.3389/fphar.2021.685696.
79. Koukoulioti, Eleni; Tziatzios, Georgios; Tadić, Mario; Dimitriadis, Stavros; Gkolfakis, Paraskevas; Politi, Ekaterini; Stoos-Veić, Tajana; Turčić, Petra; Chatzidakis, Alexandros; Lazaridis, Lazaros-Dimitrios et al. Two needle passes achieve similar diagnostic yield compared to three passes regarding diagnosis of solid pancreatic lesions in endoscopic ultrasound-guided fine needle aspiration, *Diagnostics* 11 (2021) 2272, doi:10.3390diagnostics11122272.
80. Verma, Amita; Pathak, Prateek; Rimac, Hrvoje; Khalilullah, Habibullah; Kumar, Vikas; Grishina, Maria; Potemkin, Vladimir; Ahmed, Bahar. A triterpene glochidion from *Phyllanthus debilis*: Isolation, computational studies, and antidiabetic activity evaluation, *Biocatalysis and agricultural biotechnology* 36 (2021) 102138, doi:10.1016j.bcab.2021.102138.
81. Grgurević, Dijana; Grgurević, Joško; Bačić Vrca, Vesna; Marušić, Srećko; Marinović, Ivana. Consumption of high-dose statins in patients older than 65 years in the Republic of Croatia in the

- period 2005 - 2015, International journal of clinical pharmacology and therapeutics 59 (2021) 127-137, doi:10.5414CP203572.
82. Merks, Piotr; Cameron, Jameason; Bilmin, Krzysztof; Świeczkowski, Damian; Chmielewska-Ignatowicz, Tomira; Haręzlak, Tomasz; Białoszewska, Katarzyna; Śola, Katarina Fehir; Jaguszewski, Miłosz J; Vaillancourt, Regis. Medication adherence and the role of pictograms in medication counselling of chronic patients: a review, Frontiers in pharmacology 12 (2021) 582200, doi:10.3389/fphar.2021.582200.
83. Margui, Eva; Queralt, Ignasi; Pessanha, Sofia; Jablan, Jasna; Bačić Ivana; Pavić, Mirta. Characterization of binders and pigments using an integrated analytical approach: Application to wooden reliefs created by Vasko Lipovac in the 1970s, Microchemical journal 173 (2021) 106959, doi: 10.1016/j.microc.2021.106959.
84. Skiba, Joanna; Kowalczyk, Aleksandra; Trzybiński, Damian; Woźniak, Krzysztof; Vrček, Valerije; Gapińska, Magdalena; Kowalski, Konrad. Stereo-defined ferrocenyl glycol nucleic acid (Fc-GNA) constituents: synthesis, electrochemistry, mechanism of formation, and anticancer activity studies, European journal of inorganic chemistry 2021 (2021) 2171-2181, doi:10.1002/ejic.202100193.
85. Grgurević, Dijana; Grgurević, Joško; Bačić Vrca, Vesna; Marušić, Srećko; Marinović, Ivana; Barić Grgurević, Ada. Incidence of potential drug interactions in co-prescription of statins and macrolide antibiotics in Croatia during the 14 year period, Die Pharmazie 76 (2021) 272-278, doi:10.1691/ph.2021.1412.
86. Szczuko, Małgorzata; Kikut, Justyna; Szczuko, Urszula; Szydłowska, Iwona; Nawrocka-Rutkowska, Jolanta; Ziętek, Maciej; Verbanac, Donatella; Saso, Luciano. Nutrition strategy and life style in polycystic ovary syndrome—narrative review, Nutrients 13 (2021) 2452, doi:10.3390/nu13072452.
87. Demus, Daniel; Jansen, Bas C.; Gardner, Richard A.; Urbanowicz, Paulina A.; Wu, Haiyang; Stambuk, Tamara; Juszczak, Agata; Medvidovic, Edita Pape; Juge, Nathalie; Gornik, Olga et al. Development of an exoglycosidase plate-based assay for detecting alpha 1-3,4 fucosylation biomarker in individuals with HNF1A-MODY, Glycobiology 32 (2021) 230-238, doi:10.1093/glycob/cwab107.
88. Falamić, Slaven; Lucijanić, Marko; Ortner-Hadžiabdić, Maja; Marušić, Srećko; Bačić Vrca, Vesna. Pharmacists' interventions improve health-related quality of life of rural older person on warfarin: a randomized controlled trial, Scientific reports 11 (2021) 21897, doi:10.1038/s41598-021-01394-0.
89. Jurić, Slaven; Jurić, Marina; Ferrari, Giovanna; Režek Jambrak, Anet; Donsì, Francesco. Lycopene-rich cream obtained via high-pressure homogenization of tomato processing residues in a water-oil mixture, International journal of food science & technology 56 (2021) 4907-4914, doi:10.1111/ijfs.15243.
90. Cornes, Michael; Šimundić, Ana-Maria; Cadamuro, Janne; Costelloe, Seán J.; Baird, Geoffrey; Kristensen, Gunn B. B.; von Meyer, Alexander; Nybo, Mads; Gómez Rioja, Rubén. The CRESS checklist for reporting stability studies: on behalf of the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM) Working Group for the Preanalytical Phase (WG-PRE), Clinical chemistry and laboratory medicine 59 (2021) 59-69, doi:10.1515/cclm-2020-0061.
91. Grgurević, Ivica; Božin, Tonči; Mikus, Mislav; Kukla, Michal; O'Beirne, James. Hepatocellular Carcinoma in Non-Alcoholic Fatty Liver Disease: From Epidemiology to Diagnostic Approach, Cancers 13 (2021) 5844, doi:10.3390/cancers13225844.
92. Poloni, Jose A. T.; Vieira, Adriana de Oliveira; dos Santos, Caroline R. M.; Šimundić, Ana-Maria; Rotta, Liane N. Survey on reporting of epithelial cells in urine sediment as part of external quality assessment programs in Brazilian laboratories, Biochémia medica 31 (2021) 020711.
93. Markelić, Ivona; Hlapčić, Iva; Rogić, Dunja; Rako, Ivana; Samaržija, Miroslav; Popović-Grle, Sanja; Rumora, Lada; Vukić Dugac, Andrea. Lipid profile and atherogenic indices in patients with stable chronic obstructive pulmonary disease, Nutrition metabolism and cardiovascular diseases 31 (2021) 153-161, doi:10.1016/j.numecd.2020.07.039.
94. Nakić, Natali; Tran, Thanh Hoa; Novokmet, Mislav; Andreoletti, Olivier; Lauc, Gordan; Legname, Giuseppe. Site-specific analysis of N-glycans from different sheep prion strains, Plos pathogens 17 (2021) e1009232.

95. Tešija Kuna, Andrea; Hanžek, Milena; Vukasović, Ines; Nikolac Gabaj, Nora; Vidranski, Valentina; Ćelap, Ivana; Miler, Marijana; Stančin, Nevenka; Šimac, Brankica; Živković, Marcela et al. Comparison of diagnostic accuracy for eight SARS-CoV-2 serological assays, *Biochimia medica* 31 (2021) 121-133, doi:10.11613bm.2021.010708.
96. Kremer, Dario; Stabentheiner, Edith; Bogunić, Faruk; Ballian, Dalibor; Eleftheriadou, Eleni; Stešević, Danijela; Matevski, Vlado; Ranđelović, Vladimir; Ivanova, Daniella; Ruščić, Mirko; Dunkić, Valerija. Micromorphological Traits of Balcanic Micromeria and CloselyRelated Clinopodium Species (Lamiaceae), *Plants* 10 (2021) 1666, doi:10.3390plants10081666.
97. Virović Jukić, Lucija; Grgurević, Ivica; Mikolašević, Ivana; Filipec Kanižaj, Tajana; Milić, Sandra; Mrzljak, Anna; Premužić, Marina; Hrstić, Irena; Knežević Štromar, Ivana; Ljubičić, Neven et al. Hrvatske smjernice za dijagnostiku i liječenje nealkoholne bolesti masne jetre, *Acta clinica Croatica* 60 (2021) 53-64, doi:10.20471acc.2021.60.s2.04.
98. Šuran, Jelena; Cepanec, Ivica; Mašek, Tomislav; Starčević, Kristina; Tlak Gajger, Ivana; Vranješ, Mihaela; Radić, Božo; Radić, Saša; Kosalec, Ivan; Vlainić, Josipa. Nonaqueous Polyethylene Glycol as a Safer Alternative to Ethanolic Propolis Extracts with Comparable Antioxidant and Antimicrobial Activity, *Antioxidants* 10 (2021) 978, doi:10.3390antiox10060978.
99. Vermeersch, Pieter; Frans, Glynis; von Meyer, Alexander; Costelloe, Sean; Lippi, Giuseppe; Šimundić, Ana-Maria. How to meet ISO15189:2012 pre-analytical requirements in clinical laboratories? A consensus document by the EFLM WG-PRE, *Clinical chemistry and laboratory medicine* 59 (2021) 1047-1061, doi:10.1515/cclm-2020-1859.
100. Potaś, Joanna; Szymbańska, Emilia; Basa, Anna; Hafner, Anita; Winnicka, Katarzyna. Tragacanth gum chitosan polyelectrolyte complexes-based hydrogels enriched with xanthan gum as promising materials for buccal application, *Materials* 14 (2021) 86, doi:10.3390ma14010086.
101. Gurushankar, Krishnamurti; Rimac, Hrvoje; Potemkin, Vladimir; Grishina, Maria. Investigation of the newly characterized baimantuoluamide A and baimantuoluamide B alkaloids as potential cyclin-dependent kinase 4 (CDK4) inhibitors using molecular docking and molecular dynamics simulations, *Journal of molecular structure* 1230 (2021) 129925, doi:10.1016j.molstruc.2021.129925.
102. Bezek, Tamara; Bingulac-Popović, Jasna; Bagatin, Dinko; Petlevski, Roberta; Jukić, Irena. ABO blood group genotypes in women with breast cancer, *Acta clinica Croatica* 60 (2021) 354-360, doi:10.20471acc.2021.60.03.03.
103. Barbir, Rinea; Ramírez Jiménez, Rafael; Martín-Rapún, Rafael; Strasser, Vida; Domazet Jurašin, Darija; Dabelić, Sanja; de la Fuente, Jesus M.; Vinković Vrček, Ivana. Interaction of Differently Sized, Shaped, and Functionalized Silver and Gold Nanoparticles with Glycosylated versus Nonglycosylated Transferrin, *ACS applied materials & interfaces* 13 (2021) 27533-27547, doi:10.1021acsami.1c04063.
104. Kurajica, Stanislav; Mužina, Katarina; Keser, Sabina; Dražić, Goran; Munda, Ivana Katarina. Assessment of cell toxicity and oxidation catalytic activity of nanosized zinc-doped ceria UV filter, *Chemical and biochemical engineering quarterly* 35 (2021) 157-164, doi:10.15255CABEQ.2020.1905.
105. Shkunnikova, Sofia; Širac, Tea; Lalić, Katarina; Kulišić, Ankica; Jablan, Jasna. Comparison of Zn content in rapid-acting insulin and biphasic suspension by FAAS, *Croatica chemica acta* 94 (2021) 95-102, doi:10.5562cca3830.
106. Keser, Toma; Tijardović, Marko; Gornik, Ivan; Lukić, Edita; Lauc, Gordan; Gornik, Olga; Novokmet, Mislav. High-throughput and site-specific N-glycosylation analysis of human alpha-1-acid glycoprotein offers a great potential for new biomarker discovery, *Molecular & cellular proteomics* 20 (2021) 100044, doi:10.1074mcp.ra120.002433.
107. Miler, Marijana; Nikolac Gabaj, Nora; Ćelap, Ivana; Grazio, Simeon; Tomašić, Vedran; Bišćanin, Alen; Mitrović, Joško; Đerek, Lovorka; Morović-Vergles, Jadranka; Vrkić, Nada; Štefanović, Mario. Association of polymorphisms in promoter region of TNF-α -238 and -308 with clinical outcomes in

- patients with immune-mediated inflammatory diseases on anti-TNF therapy, *Rheumatology international* 41 (2021) 2195-2203, doi:10.1007/s00296-021-05016-w.
108. Greto, Valentina L.; Cvetko, Ana; Štambuk, Tamara; Dempster, Niall J.; Kifer, Domagoj; Deriš, Helena; Cindrić, Ana; Vučković, Frano; Falchi, Mario; Gillies, Richard S. et al. Extensive weight loss reduces glycan age by altering IgG N-glycosylation, *International journal of obesity* 45 (2021) 1521-1531, doi:10.1038/s41366-021-00816-3.
109. Bljajić, Kristina; Brajković, Andrea; Čaćić, Ana; Vujić, Lovorka; Jablan, Jasna; Saraiva de Carvalho, Isabel; Zovko Končić, Marijana. Chemical Composition, Antioxidant, and α-Glucosidase-Inhibiting Activity of Aqueous and Hydroethanolic Extracts of Traditional Antidiabetics from Croatian Ethnomedicine, *Horticulturae* 7 (2021) 15, doi:10.3390/horticulturae7020015.
110. Meštrović, Tomislav; Matijašić, Mario; Perić, Mihaela; Čipčić Paljetak, Hana; Barešić, Anja; Verbanac, Donatella. The role of gut, vaginal, and urinary microbiome in urinary tract infections: from bench to bedside, *Diagnostics* 11 (2021) 7, doi:10.3390/diagnostics11010007.
111. Andjelković, Uroš; Gudelj, Ivan; Klarić, Thomas; Hinneburg, Hannes; Vinković, Marijana; Wittine, Karlo; Dovezenski, Nebojša; Vikić-Topić, Dražen; Lauc, Gordan; Vujićić, Zoran; Josić, Djuro. Increased yield of enzymatic synthesis by chromatographic selection of different N-glycoforms of yeast invertase, *Electrophoresis* 13 (2021) 33026663, doi:10.1002/elps.202000092.
112. Dabelić, Sanja; Kifer, Domagoj; Jakšić, Daniela; Kopjar, Nevenka; Šegvić Klarić, Maja. Sterigmatocystin, 5-methoxysterigmatocystin, and their combinations are cytotoxic and genotoxic to A549 and HepG2 cells and provoke phosphorylation of Chk2, but not FANCD2 checkpoint proteins, *Toxins* 13 (2021) 1-13, doi:10.3390/toxins13070464.
113. Bužančić, Iva; Dragović, Patricia; Pejaković, Tajana Iva; Markulin, Luka; Ortner-Hadžiabdić, Maja. Exploring patients' attitudes toward deprescribing and their perception of pharmacist involvement in a European country: a cross-sectional study, *Patient preference and adherence* 15 (2021) 2197-2208, doi:10.2147/ppa.s323846.
114. Matić, Mirela; Denegri, Bernard. DFT-PCM Study on Solvolytic Behaviour of N-alkyl-X-pyridinium Ions, *ChemistrySelect* 6 (2021) 2410-2423, doi:10.1002/slct.202004231.
115. Kandagalla, Shivananda; Rimac, Hrvoje; Potemkin, Vladimir A.; Grishina, Maria A. Complementarity principle in terms of electron density for the study of EGFR complexes, *Future medicinal chemistry* 13 (2021) 863-875, doi:10.4155/fmc-2020-0265.
116. Zorić, Nataša; Kopjar, Nevenka; Vuković Rodriguez, Jadranka; Tomić, Siniša; Kosalec, Ivan. Protective effects of olive oil phenolics oleuropein and hydroxytyrosol against hydrogen peroxide-induced DNA damage in human peripheral lymphocytes, *Acta pharmaceutica* 71 (2021) 131-141, doi:10.2478/acph-2021-0003.
117. Cvetko, Ana; Mangino, Massimo; Tijardović, Marko; Kifer, Domagoj; Falchi, Mario; Keser, Toma; Perola, Markus; Spector, Tim D; Lauc, Gordan; Menni, Cristina; Gornik, Olga. Plasma N-glycome shows continuous deterioration as the diagnosis of insulin resistance approaches, *BMJ Open Diabetes Research & Care* 9 (2021) 002263, doi:10.1136/bmjdrc-2021-002263.
118. Kuruc Poje, Darija; Kifer, Domagoj; Huys, Isabelle; Miranda, Joao; Jenzer, Helena; Miljković, Nenad; Hoppe-Tichy, Torsten; Bochniarz, Marcin; Frontini, Roberto; Schwartz, David et al. Patients perspectives on drug shortages in six European hospital settings - a cross sectional study, *Bmc health services research* 21 (2021) 34253212, doi:10.1186/s12913-021-06721-9.
119. Božin, Tonći; Rob, Zrinka; Lucijanić, Marko; Čmarec Buhin, Laura; Grgurević, Ivica. Comparison of prognostic scores for alcoholic hepatitis: a retrospective study, *Croatian medical journal* 62 (2021) 17-24, doi:10.3325/cmj.2021.62.17.
120. Tan, Jia Ying Brenda; Yoon, Bo Kyeong; Cho, Nam-Joon; Lovrić, Jasmina; Jug, Mario; Jackman, Joshua Alexander. Lipid Nanoparticle Technology for Delivering Biologically Active Fatty Acids and Monoglycerides, *International journal of molecular sciences* 22 (2021) 9664, 27 doi:10.3390/ijms22189664.
121. Hlapčić, Iva; Grdić Rajković, Marija; Čeri, Andrea; Dabelić, Sanja; Popović-Grle, Sanja; Radić Antolić, Margareta; Knežević, Jelena; Försti, Asta; Rumora, Lada. Increased HSP70 and TLR2 mRNA

- expression and association of HSP70 polymorphism rs6457452 with the risk of chronic obstructive pulmonary disease in the Croatian population, *Diagnostics* 11 (2021) 1412, doi:10.3390/diagnostics11081412.
122. Kifer, Domagoj; Sulyok, Micael; Jakšić, Daniela; Krska, Rudolf; Šegvić Klarić, Maja. Fungi and their metabolites in grain from individual households in Croatia, *Food additives & contaminants part B-surveillance* 14 (2021) 98-109, doi:10.108019393210.2021.1883746.
123. Friganović, Tomislav; Tomašić, Antonela; Šeba, Tino; Biruš, Ivan; Kerep, Robert; Borko, Valentina; Šakić, Davor; Gabričević, Mario; Weitner, Tin. Low-pressure chromatographic separation and UV Vis spectrophotometric characterization of the native and desialylated human apo-transferrin, *Heliyon* 7 (2021) e08030, doi:10.1016j.heliyon.2021.e08030.
124. Mijakovac, Anika; Jurić, Julija; Kohrt, Wendy M.; Krištić, Jasminka; Kifer, Domagoj; Gavin, Kathleen M.; Miškec, Karlo; Frkatović, Azra; Vučković, Frano; Pezer, Marija et al. Effects of estradiol on immunoglobulin G glycosylation: mapping of the downstream signaling mechanism, *Frontiers in immunology* 12 (2021) 680227, doi:10.3389fimmu.2021.680227.
125. Brusač, Edvin; Jeličić, Mario-Livio; Cvetnić, Matija; Amidžić Klarić, Daniela; Nigović, Biljana; Mornar, Ana. A comprehensive approach to compatibility testing using chromatographic, thermal and spectroscopic techniques: evaluation of potential for a monolayer fixed-dose combination of 6-mercaptopurine and folic acid, *Pharmaceuticals* 14 (2021) 274, doi:10.3390ph14030274.
126. Somborac Bačura, Anita; Dorotić, Marija; Grošić, Leonarda; Džimbeg, Monika; Dodig, Slavica. Current status of the lateral flow immunoassay for the detection of SARS-CoV-2 in nasopharyngeal swabs, *Biochimia medica* 31 (2021) 230-239, doi:10.11613BM.2021.020601.
127. Vanić, Željka; Joraholmen, May Wenche; Škalko-Basnet, Nataša. Nanomedicines for the topical treatment of vulvovaginal infections: Addressing the challenges of antimicrobial resistance, *Advanced drugs delivery reviews* 178 (2021) 113855, doi:10.1016/j.addr.2021.113855.
128. Tomić, Draško; Davidović, Davor; Szasz, Attila Marcel; Rezeli, Melinda; Pirkić, Boris; Petrik, Jozsef; Bačić Vrca, Vesna; Jandžel, Vladimir; Lipić, Tomislav; Skala, Karolj et al. The screening and evaluation of potential clinically significant HIV drug combinations against the SARS-CoV-2 virus, *Informatics in Medicine Unlocked* 23 (2021) 100529, doi:10.1016j imu.2021.100529.
129. Rumora, Lada; Hlapčić, Iva; Hulina-Tomašković, Andrea; Somborac-Bačura, Anita; Bosnar, Martina; Grdić Rajković, Marija. Pathogen-associated molecular patterns and extracellular Hsp70 interplay in NLRP3 inflammasome activation in monocytic and bronchial epithelial cellular models of COPD exacerbations, *Apmis* 129 (2021) 80-90, doi:10.1111apm.13089.
130. Abramović, Irena; Vrhovec, Borna; Škara, Lucija; Vrtarić, Alen; Nikolac Gabaj, Nora; Kuliš, Tomislav; Štimac, Goran; Ljiljak, Dejan; Ružić, Boris; Kaštelan, Željko et al. MiR-182-5p and miR-375-3p have higher performance than PSA in discriminating prostate cancer from benign prostate hyperplasia, *Cancers* 13 (2021) 2068, doi:10.3390cancers13092068.
131. Virović Jukić, Lucija; Grgurević, Ivica; Mikolašević, Ivana; Filipec Kanižaj, Tajana; Milić, Sandra; Mrzljak, Anna; Premužić, Marina; Hrstić, Irena; Knežević Štromar, Ivana; Ljubičić, Neven et al. Croatian guidelines for the diagnosis and treatment of nonalcoholic fatty liver disease, *Acta clinica Croatica* 60 (2021) 36-52, doi:10.20471acc.2021.60.s1.03.
132. Jakupović, Lejsa; Kalvarešin, Marko; Bukovina, Karla; Poljak, Valentina; Vujić, Lovorka; Zovko Končić, Marijana. Optimization of two eco-friendly extractions of black medick (*Medicago lupulina* L.) phenols and their antioxidant, cosmeceutical, α-glucosidase and α-amylase inhibitory properties, *Molecules* 26 (2021) 1610, doi:10.3390molecules26061610.
133. Krivohlavek, Adela; Kuharić, Željka; Marjanović Čermak, Ana Marija; Šikić, Sandra; Pavičić, Ivan; Domijan, Ana-Marija. Assessment of intracellular accumulation of cadmium and thallium, *Journal of pharmacological and toxicological methods* 110 (2021) 107087, doi:10.1016j.vascn.2021.107087.
134. Sharapov, Sodbo Zh; Shadrina, Alexandra S; Tsepilov, Yakov A; Elgaeva, Elizaveta E; Tijs, Evgeny S; Feoktistova, Sofya G; Zaytseva, Olga O; Vuckovic, Frano; Cuadrat, Rafael; Jäger, Susanne et al.

- Replication of 15 loci involved in human plasma protein N-glycosylation in 4802 samples from four cohorts, *Glycobiology* 31 (2021) 82-88, doi:10.1093glycobwaa053.
135. Deriš, Helena; Cindrić, Ana; Lauber, Matthew; Petrović, Tea; Bielik, Alicia; Taron, Christopher H; van Wingerden, Marleen; Lauc, Gordan; Trbojević-Akmačić, Irena. Robustness and repeatability of GlycoWorks rapiFluor-MS IgG N-glycan profiling in a long-term high-throughput glycomic study, *Glycobiology* 31 (2021) 1062-1067, doi:10.1093glycobwab050.
136. Roškarić, Petra; Šperanda, Marcela; Mašek, Tomislav; Verbanac, Donatella; Starčević, Kristina. Low dietary n6 n3 ratio attenuates changes in the NRF 2 gene expression, lipid peroxidation, and inflammatory markers induced by fructose overconsumption in the rat abdominal adipose tissue, *Antioxidants* 10 (2021) 1-14, doi:10.3390antiox10122005.
137. Nazlić, Marija; Fredotović, Željana; Vuko, Elma; Vuletić, Nenad; Ljubenkov, Ivica; Kremer, Dario; Jurišić Grubešić, Renata; Stabentheiner, Edith; Randić, Marko; Dunkić, Valerija. Free Volatile Compounds of Veronica austriaca ssp. jacquinii(Baumg.) Eb. Fisch. and Their Biological Activity, *Plants* 10 (2021) 2529, doi:10.3390plants10112529.
138. Djaković, Senka; Maračić, Silvija; Lapić, Jasmina; Kovalski, Eduard; Hildebrandt, Alexander; Lang, Heinrich; Vrček, Valerije; Raić-Malić, Silvana; Cetina, Mario. Triazole-tethered ferrocene-quinoline conjugates: solid-state structure analysis, electrochemistry and theoretical calculations, *Structural chemistry* 32 (2021) 2291-2301, doi:10.1007s11224-021-01801-2.
139. Jakšić, Daniela; Sertić, Miranda; Kifer, Domagoj; Kocsubè, Sandor; Mornar Turk, Ana; Nigović, Biljana; Šarkanj, Bojan; Krska, Rudolf; Sulyok, Michael; Šegvić Klarić, Maja. Fungi and their secondary metabolites in water-damaged indoors after a major flood event in eastern Croatia, *Indoor air-international journal of indoor air quality and climate* 31 (2021) 730-744, doi:10.1111ina.12777.
140. Pem, Barbara; Čurlin, Marija; Domazet Jurašin, Darija; Vrček, Valerije; Barbir, Rinea; Micek, Vedran; Fratila, Raluca M.; de la Fuente, Jesus M.; Vinković Vrček, Ivana. Fate and transformation of silver nanoparticles in different biological conditions, *Beilstein journal of nanotechnology* 12 (2021) 665-679, doi:10.3762bjnano.12.53.
141. Verbanac, Donatella; Čeri, Andrea; Hlapčić, Iva; Shakibaei, Mehdi; Brockmueller, Aranka; Krušlin, Božo; Ljubičić, Neven; Barsić, Neven; Detel, Dijana; Batičić, Lara; Rumora, Lada; Somborac-Baćura, Anita; Stefanovic, Mario; Ćelap, Ivana; Demirovic, Alma; Petlevski, Roberta; Petrik, Jozsef; Grdić Rajković, Marija; Hulina-Tomašković, Andrea; Rako, Ivana; Saso, Luciano; Barišić, Karmela. Profiling colorectal cancer in the landscape personalized testing—advantages of liquid biopsy, *International journal of molecular sciences* 22 (2021) 4327, doi:10.3390ijms22094327.
142. Šimunić, Iva; Mornar, Ana; Nigović, Biljana. Selective sensing platform utilizing graphitized multi-walled carbon nanotubes for monitoring of ondansetron and paracetamol, *Current nanoscience* 17 (2021) 736-746, doi:10.21741573413716666201207142211.
143. Meng, Xiaoni; Song, Manshu; Vilaj, Marija; Štambuk, Jerko; Dolikun, Mamatyusupu; Zhang, Jie; Liu, Di; Wang, Hao; Zhang, Xiaoyu; Zhang, Jinxia et al. Glycosylation of IgG Associates with Hypertension and Type 2Diabetes Mellitus Comorbidity in the Chinese Muslim Ethnic Minorities and the Han Chinese, *Journal of personalized medicine* 11 (2021) 614, doi:10.3390jpm11070614.
144. Bauçà, Josep Miquel; Imperiali, Claudia E.; Robles, Juan; Díaz-Garzón, Jorge; Vuljanić, Dora; Begović, Ermin; Tikhonov, Aleksei; Alić, Lejla; Nikler, Ana; Šimundić, Ana-Maria. Thoughts and expectations of young professionals about the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM), *Clinical chemistry and laboratory medicine* 59 (2021) 71-77, doi:10.1515cclm-2020-0717.

Publikacije objavljene u 2022.

1. Klarić, Thomas Stephen; Lauc, Gordan. The dynamic brain N-glycome, *Glycoconjugate journal*, 39 (2022) 3; 35334027, doi: 10.1007/s10719-022-10055-x.
2. Marijan, Marijan; Jablan, Jasna; Jakupović, Lejsa; Jug, Mario; Margui, Eva; Dalipi, Rogerta; Sangiorgi, Emanuele; Zovko Končić, Marijana. Plants from urban parks as valuable cosmetic ingredients: green extraction, chemical composition and activity, *Agronomy* 12 (2022) 204, doi:10.3390/agronomy12010204.
3. Kalčec, Nikolina; Ljulj, Antonio; Božičević, Lucija; Vrček, Valerije; Marson, Domenico; Pričl, Sabrina; Separovic, Frances; Vinković Vrček, Ivana. Transformation of L-DOPA and dopamine on the surface of gold nanoparticles: an NMR and computational study, *Inorganic chemistry* 61 (2022) 10781-10791, doi:10.1021acs.inorgchem.2c00996.
4. Cvetko, Ana; Tijardović, Marko; Bilandžija-Kuš, Iva; Gornik, Olga. Comparison of self-sampling blood collection for N-glycosylation analysis, *BMC research notes* 15 (2022) 61, doi:10.1186/s13104-022-05958-9.
5. Nikolac Gabaj, Nora; Miler, Marijana; Vrtarić, Alen; Ćelap, Ivana; Boćan, Marina; Filipi, Petra; Radišić Biljak, Vanja; Šimundić, Ana-Maria; Šupak Smolčić, Vesna; Kocijančić, Marija. Comparison of three different protocols for obtaining hemolysis, *Clinical chemistry and laboratory medicine* (2022) 714-725, doi:10.1515/cclm-2021-1227.
6. Lapić, Ivana; Radić Antolić, Margaretra; Horvat, Ivana; Premužić, Vedran; Palić, Jozefina; Rogić, Dunja; Zadro, Renata. Association of polymorphisms in genes encoding prothrombotic and cardiovascular risk factors with disease severity in COVID-19 patients: A pilot study, *Journal of medical virology* 94 (2022) 3669-3675, doi:10.1002/jmv.27774.
7. Lapić, Ivana; Radić Antolić, Margaretra; Boban, Ana; Coen Herak, Desiree; Rogić, Dunja; Zadro, Renata. Next-generation sequencing of von Willebrand factor and coagulation factor VIII genes: a cross-sectional study in Croatian adult patients diagnosed with von Willebrand disease, *Croatian medical journal* 63 (2022) 166-175, doi:10.3325cmj.2022.63.166.
8. Dardis, Andrea Elena; Michelakakis, Helen; Rozenfeld, Paula; Fumić, Ksenija; Wagner, Jasenka; Pavan, Eleonora; Fuller, Maria; Revel-Vilk, Shoshanah; Hughes, D; Cox, Tanya; Aerts, Johannes. Patient centered guidelines for the laboratory diagnosis of Gaucher disease type 1, *Orphanet journal of rare diseases* 17 (2022) 442, doi:10.1186/s13023-022-02573-6.
9. Pavan, Gollapalli; Sharath, Belenahalli Shekarappa; Rimac, Hrvoje; Patil, Prakash; Kumari Nalilu, Suchetha; Kandagalla, Shivanandha; Shetty, Praveenkumar. Pathway enrichment analysis of virus-host interactome and prioritization of novel compounds targeting the spike glycoprotein receptor binding domain-human angiotensin-converting enzyme 2 interface to combat SARS-CoV-2, *Journal of biomolecular structure & dynamics* 40 (2022) 2701-2714, doi:10.108007391102.2020.1841681.
10. Matić, Mirela; Denegri, Bernard; Tarandek, Ivana; Turković, Lu. Nucleofugality of diphenylphosphinate and kinetic stabilities of secondary and tertiary benzylic diphenylphosphinates in aqueous solvents, *International journal of chemical kinetics* 54 (2022) 561-569, doi:10.1002kin.21595.
11. Bužančić, Iva; Kummer, Ingrid; Držaić, Margita; Ortner Hadžiabdić, Maja. Community-based pharmacists' role in deprescribing: a systematic review, *British journal of clinical pharmacology* 88 (2022) 452-463, doi:10.1111/bcp.14947.
12. Grgurević, Ivica; Lucijanić, Marko; Paštrović, Frane; Barišić Jaman, Mislav; Tješić Drinković, Ida; Zelenika, Marko; Milošević, Marko; Medić, Barbara; Kardum, Duško; Bokun, Tomislav et al. Short-term outcomes of patients with chronic liver disease hospitalised with COVID-19, *Internal medicine journal* 52 (2022) 1891-1899, doi:10.1111/imj.15817.
13. Jokić, Stela; Jerković, Igor; Pavić, Valentina; Aladić, Krunoslav; Molnar, Maja; Jakovljević Kovač, Martina; Vladimir-Knežević, Sanda. Terpenes and Cannabinoids in Supercritical CO<sub>2</sub> Extracts of Industrial Hemp Inflorescences: Optimization of Extraction, Antiradical and Antibacterial Activity, *Pharmaceuticals* 15 (2022) 1117, doi:10.3390/ph15091117.

14. Marijan, Marijan; Mitar, Anamarija; Jakupović, Lejsa; Prlić Kardum, Jasna; Zovko Končić, Marijana. Optimization of bioactive phenolics extraction and cosmeceutical activity of eco-friendly polypropylene-glycol-lactic-acid-based extracts of olive leaf, *Molecules* 27 (2022) 529, doi:10.3390/molecules27020529.
15. Maleš, Željan; Domijan, Ana-Marija; Duka, Ivan; Marić, Tihana; Bojić, Mirza; Rimac, Hrvoje; Mitić, Božena; Hruševar, Dario; Barišić, Karmela; Verbanac, Donatella. Determination of naphthoquinones in invasive alien plants *Impatiens glandulifera* Royle and *I. balfourii* Hook.f. from Croatia, *Croatica chemica acta* 95 (2022) 1-5, doi:10.5562/cca3911.
16. Podrug, Kristian; Trkulja, Vladimir; Zelenika, Marko; Bokun, Tomislav; Madir, Anita; Filipec Kanižaj, Tajana; O'Beirne, James; Grgurević, Ivica. Validation of the New Diagnostic Criteria for Clinically Significant Portal Hypertension by Platelets and Elastography, *Digestive diseases and sciences* 67 (2022) 3327-3332, doi:10.1007/s10620-021-07277-8.
17. Pastrović, Frane; Madir, Anita; Podrug, Kristian; Lucijanić, Marko; Bokun, Tomislav; Zelenika, Marko; Mustapić, Sanda; Unić, Adriana; Derek, Lovorka; Grgurević, Ivica. Use of biochemical parameters for non-invasive screening of oesophageal varices in comparison to elastography-based approach in patients with compensated advanced chronic liver disease, *Biochimia medica* 32 (2022) 280-290, doi:10.11613/bm.2022.020712.
18. Gines, Pere; Castera, Laurent; Lammert, Frank; Graupera, Isabel; Serra-Burriel, Miquel; Allen, Alina M.; Wong, Vincent Wai-Sun; Hartmann, Phillip; Thiele, Maja; Caballeria, Llorenc et al. Population screening for liver fibrosis: Toward early diagnosis and intervention for chronic liver diseases, *Hepatology* 75 (2022) 219-228, doi: 10.1002/hep.32163.
19. Tijardović, Marko; Štambuk, Tamara; Juszczak, Agata; Keser, Toma; Gasperikova, Daniela; Novokmet, Mislav; Tjora, Erling; Pape Medvidović, Edita; Stanik, Juraj; Rasmus Njølstad, Pål et al. Fucosylated AGP glycopeptides as biomarkers of HNF1A-Maturity onset diabetes of the young, *Diabetes Research and Clinical Practice* 185 (2022) 109226, doi:10.1016/j.diabres.2022.109226.
20. de Haan, Noortje; Pučić-Baković, Maja; Novokmet, Mislav; Falck, David; Lageveen-Kammeijer, Guinevere; Razdorov, Genadij; Vučković, Frano; Trbojević-Akmačić, Irena; Gornik, Olga; Hanić, Maja et al. Developments and perspectives in high-throughput protein glycomics: enabling the analysis of thousands of samples, *Glycobiology* 32 (2022) 651-663, doi:10.1093/glycob/wac026.
21. Kremer, Dario; Dunkić, Valerija; Radosavljević, Ivan; Bogunić, Faruk; Ivanova, Daniella; Ballian, Dalibor; Stešević, Danijela; Matevski, Vlado; Randelić, Vladimir; Eleftheriadou, Eleni et al. Phytochemicals and Their Correlation with Molecular Data in Micromeria and Clinopodium (Lamiaceae) Taxa, *Plants* 11 (2022) 3407, doi:10.3390/plants11233407.
22. Toma, Mateja; Zubčić, Gabrijel; Lapić, Jasmina; Djaković, Senka; Šakić, Davor; Vrček, Valerije. Ferrocenoyl-adenines: substituent effects on regioselective acylation, *Beilstein journal of organic chemistry* 18 (2022) 1270-1277, doi:10.3762/bjoc.18.133.
23. Bužančić, Iva; Pejaković, Tajana Iva; Hadžiabdić, Maja Ortner. A Need for Benzodiazepine Deprescribing in the COVID-19 Pandemic: A Cohort Study, *Pharmacy* 10 (2022) 120, doi:10.3390/pharmacy10050120.
24. Radić, Sandra; Sandev, Dubravka; Maldini, Krešimir; Vujčić Bok, Valerija; Lepeduš, Hrvoje; Domijan, Ana-Marija. Recycling electric arc furnace slag into fertilizer: effects of "waste product" on growth and physiology of the common bean (*Phaseolus vulgaris* L.), *Agronomy* 12 (2022) 2218, doi:10.3390/agronomy12092218.
25. Mucalo, Iva; Brajković, Andrea; Strgačić, Marija; Ramalho-de-Oliveira, Djenane; Ribarić, Elizabeta; Bobinac, Ana. Budget Impact Analysis of Pharmacist-Led Medication Management in Cardiovascular and Type 2 Diabetic Patients, *Healthcare* 10 (2022) 722, doi:10.3390/healthcare10040722.
26. Deriš, Helena; Kifer, Domagoj; Cindrić, Ana; Petrović, Tea; Cvetko, Ana; Trbojević-Akmačić, Irena; Kolčić, Ivana; Polašek, Ozren; Newson, Louise; Spector, Tim et al. Immunoglobulin G glycome composition in transition from premenopause to postmenopause, *iScience* 25 (2022) 103897, 13 doi:10.1016/j.isci.2022.103897.

27. Landini, Arianna; Trbojević-Akmačić, Irena; Navarro, Pau; Tsepilov, Yakov A.; Sharapov, Sodbo Z; Vučković, Frano; Polašek, Ozren; Hayward, Caroline; Petrović, Tea; Vilaj, Marija et al. Genetic regulation of post-translational modification of two distinct proteins, *Nature Communications* 13 (2022) 1586, doi:10.1038s41467-022-29189-5.
28. Poje, Goran; Pessanha de Carvalho, Lais; Held, Jana; Moita, Diana; Prudêncio, Miguel; Perković, Ivana; Tandarić, Tana; Vianello, Robert; Rajić, Zrinka. Design and synthesis of harmiquins, harmine and chloroquine hybrids as potent antiplasmodial agents, *European journal of medicinal chemistry* 238 (2022) 114408, doi:10.1016j.ejmech.2022.114408.
29. Horgan, Denis; Čufer, Tanja; Gatto, Francesco; Lugowska, Iwona; Verbanac, Donatella; Carvalho, Ângela; Lal, Jonathan A.; Kozaric, Marta; Toomey, Sinead; Ivanov, Hristo Y. et al. Accelerating the development and validation of liquid biopsy for early cancer screening and treatment tailoring, *Healthcare* 10 (2022) 1-21, doi:10.3390/healthcare10091714.
30. Lapić, Ivana; Radić Antolic, Margareta; Dejanović Bekić, Sara; Coen Herak, Desiree; Bilić, Ernest; Rogić, Dunja; Zadro, Renata. Reevaluation of von Willebrand disease diagnosis in a Croatian paediatric cohort combining bleeding scores, phenotypic laboratory assays and next generation sequencing: a pilot study, *Biochimia medica* 32 (2022) 010707, doi:<https://doi.org/10.11613BM.2022.010707>.
31. Kandagalla, Shivananada; Rimac, Hrvoje; Krishnamoorthy, Gurushankar; Novak, Jurica; Grishina, Maria; Potemkin, Vladimir. Withasomniferol C, a new potential SARS-CoV-2 main protease inhibitor from the *Withania somnifera* plant proposed by in silico approaches, *PeerJ* 10 (2022) e13374, doi:10.7717peerj.13374.
32. Šola, Katarina Fehir; Vladimir-Knežević, Sanda; Hrabač, Pero; Mucalo, Iva; Saso, Luciano; Verbanac, Donatella. The effect of multistrain probiotics on functional constipation in the elderly: a randomized controlled trial, *European Journal of Clinical Nutrition* 77 (2022) 1-7, doi:10.1038s41430-022-01189-0.
33. Biba, Renata; Cvjetko, Petra; Tkalec, Mirta; Košpić, Karla; Peharec Štefanić, Petra; Šikić, Sandra; Domijan, Ana-Marija; Balen, Biljana. Effects of silver nanoparticles on physiological and proteomic responses of tobacco (*Nicotiana tabacum*) seedlings are coating-dependent, *International journal of molecular sciences* 23 (2022) 15923, doi:10.3390ijms232415923.
34. Božina, Tamara; Karačić, Ena; Ganoci, Lana; Čuković-Čavka, Silvija; Palić, Jozefina; Božina, Nada; Šimičević, Livija. UGT2B7 c.-161C>T polymorphism frequency in Croatian population, *Arhiv za higijenu rada i toksikologiju* 73 (2022) 303-307, doi:10.2478aiht-2022-73-3663.
35. Ančić, Daniela; Oršolić, Nada; Odeh, Dyana; Tomašević, Matea; Pepić, Ivan; Ramić, Snježana. Resveratrol and its nanocrystals: a promising approach for cancer therapy?, *Toxicology and applied pharmacology* 435 (2022) 1-16, doi:10.1016j.taap.2021.115851.
36. Baranašić, Jurica; Šutić, Maja; Catalano, Calogerina; Drpa, Gordana; Huhn, Stefanie; Majhen, Dragomira; Nestić, Davor; Kurtović, Matea; Rumora, Lada; Bosnar, Martina et al. TLR5 Variants Are Associated with the Risk for COPD and NSCLC Development, Better Overall Survival of the NSCLC Patients and Increased Chemosensitivity in the H1299 Cell Line, *Biomedicines* 10 (2022) 2240, doi:10.3390biomedicines10092240.
37. Klarić, David; Pocrnić, Marijana; Lež, Dražen; Polović, Saša; Kontrec, Darko; Kosalec, Ivan; Budimir, Ana; Galić, Nives. Search for new antimicrobials: spectroscopic, spectrometric, and in vitro antimicrobial activity investigation of Ga(III) and Fe(III) complexes with aroylhydrazones, *Journal of biological inorganic chemistry* 27 (2022) 715-729, doi:10.1007s00775-022-01967-y.
38. Ćipčić Paljetak, Hana; Barešić, Anja; Panek, Marina; Perić, Mihaela; Matijašić, Mario; Lojkic, Ivana; Barišić, Ana; Vranešić Bender, Darija; Ljubas Kelečić, Dina; Brinar, Marko et al. Gut microbiota in mucosa and feces of newlydiagnosed, treatment-naïve adult inflammatorybowel disease and irritable bowel syndromepatients, *Gut microbes* 14 (2022) e2083419, doi:10.108019490976.2022.2083419.
39. Juszczak, Aleksandra Maria; Jakimiuk, Katarzyna; Czarnomysy, Robert; Strawa, Jakub Władysław; Zovko Končić, Marijana; Bielawski, Krzysztof; Tomczyk, Michał. Wound Healing Properties of

Jasione montana Extracts and Their Main Secondary Metabolites, Frontiers in Pharmacology 13 (2022) 894233, doi:10.3389/fphar.2022.894233.

40. Hok, Lucija; Rimac, Hrvoje; Mavri, Janez; Vianello, Robert. COVID-19 infection and neurodegeneration: Computational evidence for interactions between the SARS-CoV-2 spike protein and monoamine oxidase enzymes, Computational and Structural Biotechnology Journal 20 (2022) 1254-1263, doi:10.1016/j.csbj.2022.02.020.
41. Tašner, Marina; Vušak, Darko; Ivana, Kekez; Gabud, Andrea; Pilepić, Viktor; Mrvoš-Sermek, Draginja; Matković-Čalogović, Dubravka. Zn(II) halide coordination compounds with imidazole and 2-methylimidazole. Structural and computational characterization of intermolecular interactions and disorder, *Heliyon* 8 (2022) e11100, doi:10.1016/j.heliyon.2022.e11100.
42. Mornar, Ana; Marinac-Andić, Iva; Amidžić Klarić, Daniela; Kovačić, Jelena. Mikroekstrakcija čvrstom fazom – inovativni pristup u bioanalitičkim istraživanjima, Kemija u industriji : časopis kemičara i tehnologa Hrvatske 71 (2022) 639-652, doi:10.15255/KUI.2022.003.
43. Zaytseva, Olga O.; Sharapov, Sodbo Zh; Perola, Marcus; Esko, Tonu; Landini, Arianna; Hayward, Caroline; Wilson, James F.; Lauc, Gordan; Aulchenko, Yurii S.; Klarić, Lucija; Tsepilov, Yakov A. Investigation of the causal relationships between human IgG N-glycosylation and 12 common diseases associated with changes in the IgG N-glycome, Human molecular genetics 31 (2022) 1545-1559, doi:10.1093/hmg/ddab335
44. Kifer, Nastasia; Šestan, Mario; Frković, Marijan; Kifer, Domagoj; Kozmar, Ana; Padjen, Ivan; Potočlki, Kristina; Anić, Branimir; Batinić, Drago; Malčić, Ivan; Jelušić, Marija. 2019 ACR EULAR classification criteria and therapy in predicting organ damage accrual in patients with childhood-onset systemic lupus erythematosus: A retrospective study over the last 29 years, *Lupus* 31 (2022) 828-836, doi:10.1177/09612033221094707.
45. Jeličić, Mario-Livio; Amidžić Klarić, Daniela; Kovačić, Jelena; Verbanac, Donatella; Mornar, Ana. Accessing lipophilicity and biomimetic chromatography profile of biologically active ingredients of botanicals used in the treatment of inflammatory bowel disease, *Pharmaceuticals* 15 (2022) 965, doi:10.3390/ph15080965.
46. Divković, Anja; Radić, Kristina; Sabitović, Damir; Golub, Nikolina; Grdić Rajković, Marija; Rumora Samarin, Ivana; Karasalihović, Zinaida; Šerak, Adnan; Trnačević, Emir; Turčić, Petra et al. Effect of alpha-lipoic acid supplementation on low-grade squamous intraepithelial lesions—double-blind, randomized, placebo-controlled trial, *Healthcare* 10 (2022) 2434, doi:10.3390/healthcare10122434.
47. Beus, Maja; Persoons, Leentje; Daelemans, Dirk; Schols, Dominique; Savijoki, Kirsi; Varmanen, Pekka; Yli Kauhaluoma, Jari; Pavić, Kristina; Zorc, Branka. Anthranilamides with quinoline and β carboline scaffolds: design, synthesis, and biological activity, *Molecular diversity* 26 (2022) 2595-2612, doi:10.1007/s11030-021-10347-8.
48. Vitali Čepo, Dubravka; Karoglan, Marko; Borgese, Laura; Depero Laura Eleonora; Margui, Eva; Jablan, Jasna. Application of benchtop total-reflection X-ray fluorescence spectrometry and chemometrics in classification of origin and type of Croatian wines, *Food chemistry* 13 (2022) 100209, doi:10.1016/j.foodch.2022.100209.
49. Butković, Ana; Bago, Martina; Preložnik Zupan, Irena; Faganel Kotnik, Barbara; Prga Borojević, Ivana; Bačić Vrca, Vesna; Zupančić Salek, Silva. Lower adherence to clotting factor replacement therapy in patients with haemophilia associated with more depressive symptoms: Two centres cross-sectional study, *Studia psychologica* 64 (2022) 64-75, doi:10.31577/sp.2022.01.839.
50. Flinčec Grgac, Sandra; Jablan, Jasna; Inić, Sara; Malinar, Rajna; Kovaček, Ivančica; Čorak, Ivana. The effect of ultrasonic treatment on the binding of the inclusion complex β-cyclodextrin-peppermint oil with cellulose material, *Materials* 15 (2022) 470, doi:10.3390/ma15020470.
51. Lucijanić, Marko; Bušić, Nikolina; Bistrović, Petra; Papić, Ivan; Zelenika Margeta, Marina; Babić, Paško; Barčan, Mihaela; Pasarić, Antica; Mustapić, Mirna; Piskac Živković, Nevenka et al. Real-life experience with remdesivir for treatment of hospitalized coronavirus disease 2019 patients: matched case-control study from a large tertiary hospital registry, *Croatian medical journal* 63 (2022) 536-543, doi:10.3325/cmj.2022.63.536.

52. Bužančić, Iva; Ortner Hadžiabdić, Maja. Development and Validation of Comprehensive Healthcare Providers' Opinions, Preferences, and Attitudes towards Deprescribing (CHOPPED Questionnaire), *Pharmacy* 10 (2022) 76, doi:10.3390/pharmacy10040076.
53. Topalušić, Iva; Stipić Marković, Asja; Artuković, Marinko; Dodig, Slavica; Bucić, Lovro; Lugović Mihić, Liborija. Divergent trends in the prevalence of children's asthma, rhinitis and atopic dermatitis and environmental influences in the urban setting of Zagreb, Croatia, *Children* 9 (2022) 1788, doi:10.3390/children9121788.
54. Zorić, Lara; Drinković, Nikša; Micek, Vedran; Frkanec, Leo; Türeli, Akif Emre; Günday-Türeli, Nazende; Vinković Vrček, Ivana; Frkanec, Ruža. High-Throughput Method for the Simultaneous Determination of Doxorubicin Metabolites in Rat Urine after Treatment with Different Drug Nanoformulations, *Molecules* 27 (2022) 1177, doi:10.3390/molecules27041177.
55. Rudman, Najda; Kifer, Domagoj; Kaur, Simranjeet; Simunović, Vesna; Cvetko, Ana; Pociot, Flemming; Morahan, Grant; Gornik, Olga. Children at onset of type 1 diabetes show altered N-glycosylation of plasma proteins and IgG, *Diabetologia* 65 (2022) 1315-1327, doi:10.1007/s00125-022-05703-8.
56. Nižić Nodilo, Laura; Perkušić, Mirna; Ugrina, Ivo; Špoljarić, Drago; Jakobušić Brala, Cvijeta; Amidžić Klarić, Daniela; Lovrić, Jasmina; Saršon, Vesna; Safundžić Kučuk, Maša; Zadravec, Dijana et al. In situ gelling nanosuspension as an advanced platform for fluticasone propionate nasal delivery, *European journal of pharmaceutics and biopharmaceutics* 175 (2022) 27-42, doi:10.1016/j.ejpb.2022.04.009.
57. Vukelić, Iva; Buljević, Sunčica; Batičić, Lara; Barišić, Karmela; Franović, Barbara; Detel, Dijana. CD26 Deficiency Controls Macrophage Polarization Markers and Signal Transducers during Colitis Development and Resolution, *International journal of molecular sciences* 23 (2022) 5506, doi:10.3390/ijms23105506.
58. Ilić, Krunoslav; Kalčec, Nikolina; Krce, Lucija; Aviani, Ivica; Turčić, Petra; Pavičić, Ivan; Vinković Vrček, Ivana. Toxicity of nanomixtures to human macrophages: Joint action of silver and polystyrene nanoparticles, *Chemico-biological interactions* 368 (2022) 110225, doi:10.1016/j.cbi.2022.110225.
59. Ožvald, Ivan; Božičević, Dragan; Duh, Lidija; Vinković Vrček, Ivana; Domijan, Ana-Marija; Milić, Mirta. Changes in anthropometric, biochemical, oxidative, and DNA damage parameters after 3-weeks-567-kcal-hospital-controlled-VLCD in severely obese patients with  $BMI \geq 35 \text{ kg m}^{-2}$ , *Clinical nutrition ESPEN* 49 (2022) 319-327, doi:10.1016/j.clnesp.2022.03.028.
60. Denegri, Bernard; Matić, Mirela; Vaško, Monika. Mechanism of solvolysis of substituted benzyl chlorides in aqueous ethanol, *Tetrahedron* 103 (2022) 132548, doi:10.1016/j.tet.2021.132548.
61. Šoić, Dinko; Mlinarić, Zvonimir; Lauc, Gordan; Gornik, Olga; Novokmet, Mislav; Keser, Toma. In a pursuit of optimal glycan fluorescent label for negative MS mode for high-throughput N-glycan analysis, *Frontiers in chemistry* 10 (2022) 999770, doi:10.3389/fchem.2022.999770.
62. (#ECDCAntibioticSurvey Project Advisory Group) Ashiru-Oredope, Diane; Hopkins, Susan; Vasandani, Sagar; Umoh, Eno; Oloyede, Olaolu; Nilsson, Andrea; Kinsman, John; Elsert, Linda; Monnet, Dominique L; the #ECDCAntibioticSurvey Project Advisory Group. Healthcare workers' knowledge, attitudes and behaviours with respect to antibiotics, antibiotic use and antibiotic resistance across 30 EU EEA countries in 2019, *Eurosurveillance* 26 (2022) 1900633, doi:10.2807/1560-7917.ES.2021.26.12.1900633.
63. Inić, Suzana; Gašparac, Petra. Overview of Dioscorides' recipes in Croatian books of folk recipes, *Die Pharmazie* 77 (2022) 270-277, doi:10.1691/ph.2022.2027.
64. Lalić, Martin; Soldić, Ana; Lalić, Andrija; Lalić, Zdenka; Sertić, Miranda. Development and validation of an HPLC method for simultaneous determination of capsaicinoids and camphorin over-the-counter medication for topical use, *Molecules* 27 (2022) 1261, doi:10.3390/molecules27041261.
65. Ilić, Krunoslav; Krce, Lucija; Rodriguez-Ramos, Jorge; Rico, Felix; Kalčec, Nikolina; Aviani, Ivica; Turčić, Petra; Pavičić, Ivan; Vinković Vrček, Ivana. Cytotoxicity of nanomixture: Combined action of silver and plastic nanoparticles on immortalized human lymphocytes, *Journal of trace elements in medicine and biology* 73 (2022) 127004, doi:10.1016/j.jtemb.2022.127004.

66. Shekarappa, Sharath Belenahalli; Rimac, Hrvoje; Lee, Julian. In silico screening of quorum sensing inhibitor candidates obtained by chemical similarity search, *Molecules* 27 (2022) 4887, doi:10.3390/molecules27154887.
67. Šegulja, Dragana; Matišić, Danica; Barišić, Karmela; Rogić, Dunja. A novel approach for more precise quantification of M-protein using variables derived from immunosubtraction electropherogram and associated biochemistry analytes, *Biochimia medica* 32 (2022) 030701, doi:10.11613/bm.2022.030703.
68. Kaskatepe, Banu; Erdem, Sinem Aslan; Ozturk, Sukran; Oz, Zehra Safi; Subasi, Eldan; Koyuncu, Mehmet; Vlainić, Josipa; Kosalec, Ivan. Antifungal and Anti-Virulent Activity of *Origanum majorana* L. Essential Oil on *Candida albicans* and In Vivo Toxicity in the *Galleria mellonella* Larval Model, *Molecules* 27 (2022) 1-19, doi:10.3390/molecules27030663.
69. Cadamuro, Janne; Baird, Geoffrey; Baumann, Gabriele; Bolenius, Karin; Cornes, Michael; Ibarz, Mercedes; Lewis, Tom; Oliveira, Gabriel Lima; Lippi, Giuseppe; Plebani, Mario et al. Preanalytical quality improvement - an interdisciplinary journey, on behalf of the European Federation for Clinical Chemistry and Laboratory Medicine (EFLM) Working Group for Preanalytical Phase (WG-PRE), *Clinical chemistry and laboratory medicine* 60 (2022) 662-668, doi: 10.1515/cclm-2022-0117.
70. Borić-Bilušić, Ana; Božina, Nada; Lalić, Zdenka; Lovrić, Mila; Nađ-Škegro, Sandra; Penezić, Luka; Barišić, Karmela; Trkulja, Vladimir. Loss of function ABCG2 c.421C>A (rs2231142) polymorphism increases steady-state exposure to mycophenolic acid in stable renal transplant recipients: exploratory matched cohort study, *Advances in therapy* 40 (2022) 601-618, doi:10.1007/s12325-022-02378-w.
71. Štambuk, Jerko; Vučković, Frano; Habazin, Siniša; Hanić, Maja; Novokmet, Mislav; Nikolaus, Susanna; Tran, Florian; Schreiber, Stefan; Franke, Andre; Rosenstiel, Philip et al. Distinct longitudinal changes in immunoglobulin G N-glycosylation associate with therapy response in chronic inflammatory diseases, *International journal of molecular sciences* 23 (2022) 8473, doi:10.3390/ijms23158473.
72. Petrov, Vyacheslav A.; Sharapov, Sodbo Zh.; Shagam, Lev; Nostaeva, Arina V.; Pezer, Marija; Li, Dalin; Hanić, Maja; McGovern, Dermot; Louis, Edouard; Rahmouni, Souad et al. Association Between Human Gut Microbiome and N-Glycan Composition of Total Plasma Proteome, *Frontiers in Microbiology* 13 (2022) 811922, doi:10.3389/fmicb.2022.811922.
73. Pavić Vulinović, Mirela; Turčić, Petra; Micek, Vedran; Ljubojević, Marija. Ferritin light and heavy chain expression in the liver and kidneys of Wistar rats: aging, sex differences, and impact of gonadectomy, *Arhiv za higijenu rada i toksikologiju* 73 (2022) 48-61, doi:10.2478/aiht-2022-73-3621.
74. Jurić, Slaven; Jurić, Marina; Król-Kilińska, Żaneta; Vlahoviček-Kahlina, Kristina; Vinceković, Marko; Dragović-Uzelac, Verica; Donsi, Francesco. Sources, stability, encapsulation and application of natural pigments in foods, *Food reviews international* 38 (2022) 1735-1790, doi:10.1080/87559129.2020.1837862.
75. Maleš, Ivanka; Pedisić, Sandra; Zorić, Zoran; Elez-Garofulić, Ivona; Repajić, Maja; You, Lijun; Vladimir-Knežević, Sanda; Butorac, Dražan; Dragović-Uzelac, Verica. The medicinal and aromatic plants as ingredients in functional beverage production, *Journal of functional foods* 96 (2022) 1-20, doi:10.1016/j.jff.2022.105210.
76. Brusač, Edvin; Jeličić, Mario-Livio; Nigović, Biljana; Amidžić Klarić, Daniela; Mornar, Ana. Determination of curcuminoids, piperine, boswellic acids and andrographolides in food and dietary supplements by HPLC, *Food technology and biotechnology* 60 (2022) 1-41, doi:10.17113/ftb.60.04.22.7560.
77. Karaica, Dean; Micek, Vedran; Rašić, Dubravka; Peraica, Maja; Šegvić Klarić, Maja; Breljak, Davorka. Subchronic exposure of individual and combined ochratoxin A and citrinin selectively affects the expression of rat renal organic cation transporters, *Mycotoxin research* 38 (2022) 339-352, doi:10.1007/s12550-022-00450-6.
78. Ágh, Tamás; Ortner Hadžiabdić, Maja; Garuoliene, Kristina; Gerd Granas, Anne; Aarnio, Emma; Menditto, Enrica; Gregório, João; Barnestein-Fonseca, Pilar; Mevsim, Vildan; Kardas, Przemysław;

- European Network to Advance Best Practices and Technology on Medication Adherence (ENABLE). Reimbursed medication adherence enhancing interventions in European countries: results of the EUREcA study, *Frontiers in pharmacology* 13 (2022) 892240, doi:10.3389/fphar.2022.892240.
79. Vranješević, Filip; Kolympadi Marković, Maria; Matulja, Dario; Ambrožić, Gabriela; Sordo, José Ángel; Laclef, Sylvain; Vrček, Valerije; Marković, Dean. Recent advances in the synthesis of five-membered cyclic carbonates and carbamates from allylic or propargylic substrates and CO<sub>2</sub>, *Catalysts* 12 (2022) 547-573, doi:10.3390/catal12050547.
80. Lucijanić, Marko; Čikara, Tomislav; Bistrović, Petra; Papić, Ivan; Ortner Hadžiabdić, Maja; Busic, Nikolina; Lackovic, Marina; Cesar, Natalia; Košćak, Valentina; Mitrović, Joško et al. Remdesivir use in COVID-19 patients might predispose bacteremia, matched case-control analysis, *The Journal of infection* 85 (2022) 174-211, doi:10.1016/j.jinf.2022.04.045.
81. Birukov, Anna; Plavša, Branimir; Eichelmann, Fabian; Kuxhaus, Olga; Hoshi, Rosangela Akemi; Rudman, Najda; Štambuk, Tamara; Trbojević-Akmačić, Irena; Schiborn, Catarina; Morze, Jakub et al. Immunoglobulin G N-glycosylation signatures in incident type 2 diabetes and cardiovascular disease, *Diabetes care* 45 (2022) 2729-2736, doi:10.2337/dc22-0833.
82. Kugić, Azra; Dabelić, Sanja; Jakobušić Brala, Cvijeta; Dabelić, Nina; Barbarić, Monika. Extra virgin olive oil secoiridoids modulate the metabolic activity of dacarbazine pre-treated and treatment-naïve melanoma cells, *Molecules* 27 (2022) 3310, doi:10.3390/molecules27103310.
83. Galić, Emerik; Radić, Kristina; Golub, Nikolina; Vitali Čepo, Dubravka; Kalčec, Nikolina; Vrček, Ena; Vinković, Tomislav. Utilization of olive pomace in green synthesis of selenium nanoparticles: physico-chemical characterization, bioaccessibility and biocompatibility, *International journal of molecular sciences* 23 (2022) 9128, doi:10.3390/ijms23169128.
84. Novak, Jurica; Rimac, Hrvoje; Kandagalla, Shivananda; Pathak, Prateek; Naumovich, Vladislav; Grishina, Maria; Potemkin, Vladimir. Proposition of a new allosteric binding site for potential SARS-CoV-2 3CL protease inhibitors by utilizing molecular dynamics simulations and ensemble docking, *Journal of biomolecular structure & dynamics* 40 (2022) 9347-9360, doi:10.108007391102.2021.1927845.
85. Perković, Ivana; Beus, Maja; Schols, Dominique; Persoons, Leentje; Zorc, Branka. Itaconic acid hybrids as potential anticancer agents, *Molecular diversity* 26 (2022) 1-14, doi:10.1007/s11030-020-10147-6.
86. Grgurević, Ivica; Madir, Anita; Trkulja, Vladimir; Božin, Tonči; Aralica, Gorana; Podrug, Kristian; Mikolašević, Ivana; Tsochatzis, Emmanuel; O’Beirne, James; Pinzani, Massimo. Assessment of clinically significant portal hypertension by two-dimensional shear wave elastography, *European Journal of Clinical Investigation* 52 (2022) e13750, doi:10.1111/eci.13750.
87. Hulina-Tomašković, Andrea; Somborac-Baćura, Anita; Grdić Rajković, Marija; Hlapčić, Iva; Jonker, Marnix R.; Heijink, Irene H.; Rumora, Lada. Extracellular Hsp70 modulates 16HBE cells' inflammatory responses to cigarette smoke and bacterial components lipopolysaccharide and lipoteichoic acid, *Cell stress & chaperones* 27 (2022) 587-597, doi:10.1007/s12192-022-01294-w.
88. Nazlić, Marija; Akrap, Karla; Kremer, Dario; Dunkić, Valerija. Hydrosols of Veronica Species—Natural Source of Free Volatile Compounds with Potential Pharmacological Interest, *Pharmaceuticals* 15 (2022) 1378, doi:10.3390/ph15111378.
89. Sakač, Nikola; Madunić-Čačić, Dubravka; Marković, Dean; Hok, Lucija; Vianello, Robert; Vrček, Valerije; Šarkanj, Bojan; Đurin, Bojan; Della Ventura, Bartolomeo; Velotta, Raffaele; Jozanović, Marija. Potentiometric Surfactant Sensor for Anionic Surfactants Based on 1,3-dioctadecyl-1H-imidazol-3-ium tetraphenylborate, *Chemosensors* 10 (2022) 523, doi:10.3390/chemosensors10120523.
90. Markelić, Ivona; Hlapčić, Iva; Čeri, Andrea; Radić Antolic, Margareta; Samaržija, Miroslav; Popović-Grle, Sanja; Vukić Dugac, Andrea; Rumora, Lada. Activation of NLRP3 inflammasome in stable chronic obstructive pulmonary disease, *Scientific reports* 12 (2022) 7544, doi:10.1038/s41598-022-11164-1.
91. Dunkić, Valerija; Nazlić, Marija; Ruščić, Mirko; Vuko, Elma; Akrap, Karla; Topić, Snježana; Milović, Milenko; Vuletić, Nenad; Puizina, Jasna; Jurišić Grubešić, Renata et al. Hydrodistillation and

- Microwave Extraction of Volatile Compounds: Comparing Data for Twenty-One Veronica Species from Different Habitats, *Plants* 11 (2022) 902, doi:10.3390/plants11070902.
92. Đuras, Anamarija; Cesar Kocijan, Valentina; Rade, Anamarija; Lipovec, Renata; Ostroški, Ivanka; Radišić Biljak, Vanja; Šimundić, Ana-Maria. Serum and urine osmolality: 8 hours, 24 hours and 1-month sample stability, *Scandinavian journal of clinical and laboratory investigation* 82 (2022) 283-289, doi:10.108000365513.2022.2079094.
93. (LiverScreen Consortium Investigators) Graupera, Isabel; Thiele, Maja; Ma, Ann T.; Serra-Burriel, Miquel; Pich, Judit; Fabrellas, Núria; Caballeria, Llorenç; de Knegt, Robert J.; Grgurević, Ivica; Reichert, Mathias et al. LiverScreen project: study protocol for screening for liver fibrosis in the general population in European countries, *BMC Public Health* 22 (2022) 1385-1385, doi:10.1186/s12889-022-13724-6.
94. Fabijanić, Ivana; Jurković, Marta; Jakšić, Daniela; Piantanida, Ivo. Photoluminescent Gold BSA nanoclusters (AuNC@BSA) as sensors for red-fluorescence detection of mycotoxins, *Materials* 15 (2022) 8448, doi:10.3390/ma15238448.
95. Mahrholdt, Julia; Kovalski, Eduard; Noll, Julian; Vrček, Valerije; Lang, Heinrich. Synthesis and electrochemical behavior of metal carbonyl isocyanoferrocene compounds [M(CO)<sub>6-n</sub>(C≡NFc)<sub>n</sub>] (M=Cr, Mo, W; n=1, 2, 3), *Zeitschrift für anorganische und allgemeine Chemie* 648 (2022) e202100371, doi:10.1002/zaac.202100371.
96. Vukoja, Damir; Vlainić, Josipa; Ljolić Bilić, Vanja; Martinaga, Lela; Rezić, Iva; Brlek Gorski, Diana; Kosalec, Ivan. Innovative Insights into In Vitro Activity of Colloidal Platinum Nanoparticles against ESBL-Producing Strains of *Escherichia coli* and *Klebsiella pneumoniae*, *Pharmaceutics* 14 (2022) 1714-1729, doi:10.3390/pharmaceutics14081714.
97. Amidžić Klarić, Daniela; Mornar, Ana; Kovačić, Jelena; Jeličić, Mario-Livio; Brusač, Edvin; Brletić, Iva; Klarić, Ilija. Polyphenol content and antioxidant activity of phytoestrogen containing food and dietary supplements: DPPH free radical scavenging activity by HPLC, *Acta pharmaceutica* 72 (2022) 375-388, doi:10.2478/acph-2022-0031.
98. Lang, Heinrich; Mahrholdt, Julia; Ruffer, Tobias; Kovalski, Eduard; Vrček, Valerije. Synthesis and electrochemical behavior of ferrocenyl β-ketoamines FcC(O)CH=C(NH(C<sub>6</sub>H<sub>4</sub>-4-R')R, *European journal of inorganic chemistry* 2022 (2022) e20210105, doi:10.1002/ejic.202101059.
99. Kristić, Jasmina; Lauc, Gordan; Pezer, Marija. Immunoglobulin G glycans-Biomarkers and molecular effectors of aging, *Clinica chimica acta* 535 (2022) 30-45, doi:10.1016/j.cca.2022.08.006.
100. Weitner, Tin; Friganović, Tomislav; Šakić, Davor. Inner filter effect correction for fluorescence measurements in microplates using variable vertical axis focus, *Analytical chemistry* 94 (2022) 7107-7114, doi:10.1021acs.analchem.2c01031.
101. Sulicka-Grodzicka, Joanna; Surdacki, Andrzej; Surmiak, Marcin; Sanak, Marek; Wizner, Barbara; Sydor, Wojciech; Bociąga-Jasik, Monika; Strach, Magdalena; Korkosz, Mariusz; Skladany, Lubomir et al. Chemerin as a Potential Marker of Resolution of Inflammation in COVID-19 Infection, *Biomedicines* 10 (2022) 2462, doi:10.3390/biomedicines10102462.
102. Šoić, Dinko; Keser, Toma; Štambuk, Jerko; Kifer, Domagoj; Pociot, Flemming; Lauc, Gordan; Morahan, Grant; Novokmet, Mislav; Gornik, Olga. High-Throughput Human Complement C3 N-Glycoprofiling Identifies Markers of Early Onset Type 1 Diabetes Mellitus in Children, *Molecular & cellular proteomics* 21 (2022) 100407, doi:10.1016/j.mcpro.2022.100407.
103. Kardas, Przemysław; Bago, Martina; Barnestein-Fonseca, Pilar; Garuolienė, Kristina; Gerd Granas, Anne; Gregório, João; Ortner Hadžiabdić, Maja; Kostalova, Barbora; Leiva-Fernández, Francisca; Lewek, Paweł; Mala-Ladova, Katerina; Paule Schneider, Marie; Van Boven, Job FM; Volmer, Daisy; Ziampara, Ioli; Ágh, Tamás. Reimbursed medication adherence enhancing interventions in 12 european countries: current state of the art and future challenges, *Frontiers in pharmacology* 13 (2022) 944829, doi:10.3389/fphar.2022.944829.
104. Petrik, József; Verbanac, Donatella; Fabijanec, Marija; Hulina-Tomašković, Andrea; Čeri, Andrea; Somborac-Baćura, Anita; Petlevski, Roberta; Grdić Rajković, Marija; Rumora, Lada; Krušlin, Božo et

- al. Circulating tumor cells in colorectal cancer: detection systems and clinical utility, International journal of molecular sciences 23 (2022) 21; 13582, 18 doi:10.3390ijms232113582.
105. Kifer, Nastasia; Bulimbašić, Stela; Šestan, Mario; Held, Martina; Kifer, Domagoj; Sršen, Saša; Gudelj Gračanin, Ana; Heshin-Bekenstein, Merav; Giani, Teresa; Cimaz, Rolando et al. Software Quality Control (SQC) and Oxford classifications predict poor renal outcome better than The International Study of Kidney Disease in Children (ISKDC) and Haas in patients with IgAV nephritis: a multicenter study, Journal of nephrology 36 (2022) 441-449, doi: 10.1007/s40620-022-01509-4.
106. Bućan, Ivona; Škunca Herman, Jelena; Jerončić Tomić, Iris; Gornik, Olga; Vatavuk, Zoran; Bućan, Kajo; Lauc, Gordan; Polašek, Ozren. N-glycosylation patterns across the age-related macular degeneration spectrum, Molecules 27 (2022) 1774, doi:10.3390molecules27061774.
107. Mlinarić, Zvonimir; Turković, Lu; Begović, Iva; Nigović, Biljana; Sertić, Miranda. Rapid capillary electrophoresis method for simultaneous determination of abemaciclib, ribociclib, and palbociclib in pharmaceutical dosage forms: a green approach, Molecules 27 (2022) 7603, doi:10.3390molecules27217603.
108. Piskač Živković, Nevenka; Lucijanić, Marko; Bušić, Nikolina; Jurin, Ivana; Atić, Armin; Andrilović, Ana; Penović, Toni; Domić, Iva; Gnjidić, Jelena; Demaria, Martina et al. The associations of age, sex, and comorbidities with survival of hospitalized patients with coronavirus disease 2019: data from 4014 patients from a tertiary-center registry, Croatian medical journal 63 (2022) 36-43, doi:10.3325cmj.2022.63.36.
109. Muñoz-Lora, Victor Ricardo Manuel; Dugonjić Okroša, Ana; Mataš, Ivica; Del Bel Cury, Altair Antoninha; Kalinichev, Mikhail; Lacković, Zdravko. Antinociceptive Actions of Botulinum Toxin A1 on Immunogenic Hypersensitivity in Temporomandibular Joint of Rats, Toxins 14 (2022) 161, doi:10.3390toxins14030161.
110. Louca, Panayiotis; Nogal, Ana; Moskal, Aurélie; Goulding, Neil J.; Shipley, Martin J.; Alkis, Taryn; Lindbohm, Joni V.; Hu, Jie; Kifer, Domagoj; Wang, Ni et al. Cross-Sectional Blood Metabolite Markers of Hypertension: A Multicohort Analysis of 44,306 Individuals from the COnsortium of METabolomics Studies, Metabolites 12 (2022) 601, doi:10.3390metabo12070601.
111. Nedić Erjavec, Gordana; Grubor, Mirko; Živković, Maja; Božina, Nada; Šagud, Marina; Nikolac Perković, Matea; Mihaljević-Peleš, Alma; Pivac, Nela; Švob Štrac, Dubravka. SLC6A3, HTR2C and HTR6 Gene Polymorphisms and the Risk of Haloperidol-Induced Parkinsonism, Biomedicines 10 (2022) 3237, doi:10.3390biomedicines10123237.
112. Šisl, Dino; Flegar, Darja; Filipović, Maša; Turčić, Petra; Planinić, Pavao; Šućur, Alan; Kovačić, Nataša; Grčević, Danka; Kelava, Tomislav. Tamoxifen ameliorates cholestatic liver fibrosis in mice: upregulation of TGFβ and IL6 is a potential protective mechanism, Biomedicines 10 (2022) 1209, doi:10.3390biomedicines10051209.
113. Mervić, Mateja; Bival Štefan, Maja; Kindl, Marija; Blažeković, Biljana; Marijan, Marijan; Vladimir-Knežević, Sanda. Comparative antioxidant, anti-acetylcholinesterase and anti-α-glucosidase activities of Mediterranean Salvia species, Plants 11 (2022) 625, doi:10.3390plants11050625.
114. Vladimir-Knežević, Sanda; Perković, Marijana; Zagajski Kučan, Kristina; Mervić, Mateja; Rogošić, Marko. Green extraction of flavonoids and phenolic acids from elderberry (*Sambucus nigra* L.) and rosemary (*Rosmarinus officinalis* L.) using deep eutectic solvents, Chemical papers 76 (2022) 341-349, doi:10.1007s11696-021-01862-x.
115. Brajković, Andrea; Bičanić, Lucija Ana; Strgačić, Marija; Orehovački, Helena; Ramalho- de-Oliveira, Djenane; Mucalo, Iva. The impact of pharmacist-led medication management services on the quality of life and adverse drug reaction occurrence, Pharmacy 10 (2022) 102, doi:10.3390pharmacy10050102.
116. Lamot, Mirta; Miler, Marijana; Nikolac Gabaj, Nora; Lamot, Lovro; Milošević, Milan; Harjaček, Miroslav; Abdović, Slaven. Serum calprotectin is a valid biomarker in distinction of bacterial urinary tract infection from viral respiratory illness in children under 3 years of age, Frontiers in Pediatrics 10 (2022) 768260, doi:10.3389fped.2022.768260.

117. Mijakovac, Anika; Frkatović, Azra; Hanić, Maja; Ivok, Jelena; Martinić Kavur, Marina; Pučić-Baković, Maja; Spector, Tim; Zoldoš, Vlatka; Mangino, Massimo; Lauc, Gordan. Heritability of the glycan clock of biological age, *Frontiers in cell and developmental biology* 10 (2022) 982609, doi:10.3389/fcell.2022.982609.
118. Ljolić Bilić, Vanja; Gašić, Uroš M.; Milojković-Opsenica, Dušanka; Rimac, Hrvoje; Vuković Rodriguez, Jadranka; Vlainić, Josipa; Brlek-Gorski, Diana; Kosalec, Ivan. Antibacterial Fractions from Erodium cicutarium Exposed—Clinical Strains of *Staphylococcus aureus* in Focus, *Antibiotics* 11 (2022) 492, doi:10.3390/antibiotics11040492.
119. Senard, Thomas; Flouri, Irini; Vuckovic, Frano; Papadaki, Garyfalia; Goutakoli, Panagiota; Banos, Aggelos; Pucic-Bakovic, Maja; Pezer, Marija; Bertsias, George; Lauc, Gordan; Sidiropoulos, Prodromos. Baseline IgG-Fc N-glycosylation profile is associated with long-term outcome in a cohort of early inflammatory arthritis patients, *ARTHRITIS RESEARCH & THERAPY* 24 (2022) 1; 206, doi:10.1186/s13075-022-02897-5.
120. Hlapčić, Iva; Vukić Dugac, Andrea; Popović-Grle, Sanja; Markelić, Ivona; Rako, Ivana; Rogić, Dunja; Rumora, Lada. Influence of disease severity, smoking status and therapy regimes on leukocyte subsets and their ratios in stable chronic obstructive pulmonary disease, *Archives of medical science* 18 (2022) 672-681, doi:10.5114/aoms.2020.100720.
121. Bokulić, Adriana; Zec, Ivana; Goreta, Sanja; Nikolac Gabaj, Nora; Kocijančić, Marija; Serdar Hiršl, Tihana; Đuras, Anamarija; Troha, Mateja; Stanišić, Lada; Šupe-Domić, Daniela et al. Laboratory policies and practices for thyroid function tests in Croatia: survey on behalf of Working Group for Laboratory Endocrinology of the Croatian Society of Medical Biochemistry and Laboratory Medicine, *Biochimia Medica* 32 (2022) 030702, doi:10.11613/bm.2022.030702.
122. Turković, Lu; Boćkor, Luka; Ekpenyong, Oscar; Silovski, Tajana; Lovrić, Mila; Crnković, Slaven; Nigović, Biljana; Sertić, Miranda. 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* 15 (2022) 614, doi:10.3390/ph15050614.
123. Margetić, Sandra; Šupraha-Goreta, Sandra; Ćelap, Ivana; Razum, Marija. Direct oral anticoagulants (DOACs): from the laboratory point of view, *Acta pharmaceutica* 72 (2022) 459-482, doi:10.2478/acph-2022-0034.
124. Jeličić, Mario-Livio. Ispitivanje fizikalno-kemijske kompatibilnosti lijekova primjenom analitičkih tehnika: pregled istraživanja razvoja fiksne kombinacije 5-aminosalicilata i folne kiseline, *Kemija u industriji : časopis kemičara i tehnologa Hrvatske* 71 (2022) 729-742, doi:10.15255/KUI.2022.014.
125. Batarilo, Ivanka; Maravić-Vlahović, Gordana; Bedenić, Branka; Kazazić, Snježana; Bingulac-Popović, Jasna; Slade-Vitković, Mia; Katić, Stjepan; Jukić, Irena. Oxacillinases and antimicrobial susceptibility of *Ralstonia pickettii* from pharmaceutical water systems in Croatia, *Letters in applied microbiology* 75 (2022) 103-113, doi:10.1111/lam.13711.
126. Margetić, Sandra; Ćelap, Ivana; Huzjan-Lovrenčić, Arijana; Bosnar Puretić, Marijana; Šupraha Goreta, Sandra; Čajević Glojarić, Anesa; Delić Brkljačić, Diana; Mioč, Pavao; Harenberg, Job; Hetjens, Svetlana; Weiss Christel. DOAC Dipstick Testing Can Reliably Exclude the Presence of Clinically Relevant DOAC Concentrations in Circulation, Thrombosis and haemostasis 122 (2022) 1542-1548, doi:10.1055a-1753-2748.
127. Jeličić, Mario-Livio; Kovačić, Jelena; Cvetnić, Matija; Mornar, Ana; Amidžić Klarić, Daniela. Antioxidant activity of pharmaceuticals: Predictive QSAR modeling for potential therapeutic strategy, *Pharmaceuticals* 15 (2022) 791, doi:10.3390/ph15070791.
128. Yang, Weifeng; Cui, Kaiyu; Tong, Qian; Ma, Shuhua; Sun, Yanan; He, Gaiying; Li, Dongying; Lin, Longfei; Blažeković, Biljana; Chevalier, Sylvie et al. Traditional Chinese medicine Tanreqing targets both cell division and virulence in *Staphylococcus aureus*, *Frontiers in cellular and infection microbiology* 12 (2022) 884045, doi:10.3389/fcimb.2022.884045.
129. Vicente, Manuel M.; Alves, Ines; Gaifem, Joana; Rodrigues, Claudia S.; Fernandes, Angela; Dias, Ana M.; Štambuk, Jerko; Petrović, Tea; Oliveira, Pedro; Ferreira-da-Silva, Frederico et al. Altered IgG

- glycosylation at COVID-19 diagnosis predicts disease severity, European journal of immunology 52 (2022) 946-957, doi:10.1002/eji.202149491.
130. Božina, Nada; Bilić, Ivan; Ganoci, Lana; Šimičević, Livija; Pleština, Stjepko; Lešnjaković, Lucija; Trkulja, Vladimir. DPYD polymorphisms c.496A>G, c.2194G>A and c.85T>C and risk of severe adverse drug reactions in patients treated with fluoropyrimidine-based protocols, British journal of clinical pharmacology 88 (2022) 2190-2202, doi:10.1111/bcp.15144.
131. Bogdanov, Anita; Janovák, László; Vraneš, Jasmina; Meštrović, Tomislav; Ljubin-Sternak, Sunčanica; Cseh, Zsuzsanna; Endréz, Valéria; Burián, Katalin; Vanić, Željka; Virok, Dezső P. Liposomal encapsulation increases the efficacy of azithromycin against chlamydia trachomatis, Pharmaceutics 14 (2022) 36, doi:10.3390/pharmaceutics14010036.
132. Mikulić, Vinka; Rogić, Dunja; Mikulić, Ivanka; Jerković Raguz, Marjana; Brzica, Jerko; Pandža Topić, Maja; Ljubić, Kristina; Tomić, Vajdana. Cystatin C Concentration During the First Three Postnatal Days in Healthy Term Newborns, Zeitschrift für Geburtshilfe und Neonatologie 226 (2022) 193-196, doi:10.1055a-1727-6309.
133. Friščić, Maja; Petlevski, Roberta; Kosalec, Ivan; Madunić, Josip; Matulić, Maja; Bucar, Franz; Hazler Pilepić, Kroata; Maleš, Željan. Globularia alypum L. and related species: LC-MS profiles and antidiabetic, antioxidant, anti-inflammatory, antibacterial and anticancer potential, Pharmaceuticals 15 (2022) 1-34, doi:10.3390/ph15050506.
134. Smolaka Tanković, Mirta; Baričević, Ana; Gerić, Marko; Domijan, Ana-Marija; Marić Pfannkuchen, Daniela; Kužat, Nataša; Ujević, Ivana; Kuralić, Melissa; Rožman, Marko; Matković, Katarina et al. Characterisation and toxicological activity of three different Pseudo-nitzschia species from the northern Adriatic Sea (Croatia), Environmental research 214 (2022) 114108, doi:10.1016/j.envres.2022.114108.
135. Juszczak, Aleksandra M.; Wöelfle, Ute; Zovko Končić, Marijana; Tomczyk, Michał. Skin cancer, including related pathways and therapy and the role of luteolin derivatives as potential therapeutics, Medicinal Research Reviews 42 (2022) 1423-1462, doi:10.1002/med.21880.
136. Jurić, Slaven; Jurić, Marina; Bakar Siddique, Md Abu; Fathi, Milad. Vegetable Oils Rich in Polyunsaturated Fatty Acids: Nanoencapsulation Methods and Stability Enhancement, Food reviews international 38 (2022) 32-69, doi:10.1080/87559129.2020.1717524.
137. Perkušić, Mirna; Nižić Nodilo, Laura; Ugrina, Ivo; Špoljarić, Drago; Jakobušić Brala, Cvijeta; Pepić, Ivan; Lovrić, Jasmina; Matijašić, Gordana; Gretić, Matija; Zadravec, Dijana et al. Tailoring functional spray-dried powder platform for efficient donepezil nose-to-brain delivery, International journal of pharmaceutics 624 (2022) 122038, doi:10.1016/j.ijpharm.2022.122038.
138. Veljović, Elma; Rimac, Hrvoje; Salihović, Mirsada; Špirtović-Halilović, Selma; Osmanović, Amar; Kovač, Nejra; Kiršek, Elizabeta; Članjak-Kudra, Enida; Špirtović, Dijana; Bojić, Mirza. Synthesis of arylmethylene-bis(3-hydroxy-5,5-dimethylcyclohex-2-en-1-one) derivatives and their effect on tyrosinase activity, Croatica chemica acta 94 (2022) 1-9, doi:10.5562/cca3857.
139. Deriš, Helena; Tominac, Petra; Vučković, Frane; Astrup, Arne; Blaak, Ellen; Lauc, Gordan; Gudelj, Ivan. Susceptibility of Human Plasma N-glycome to Low-Calorie and Different Weight-Maintenance Diets, International journal of molecular sciences 23 (2022) 15772, doi:10.3390/ijms232415772.
140. Deriš, Helena; Tominac, Petra; Vučković, Frano; Brški, Nina; Astrup, Arne; Blaak, Ellen E.; Lauc, Gordan; Gudelj, Ivan. Effects of low-calorie and different weight-maintenance diets on IgG glycome composition, Frontiers in Immunology 13 (2022) 995186, doi:10.3389/fimmu.2022.995186.
141. Brkić, Jovana; Fialova, Daniela; Okuyan, Betul; Kummer, Ingrid; Šesto, Sofija; Capiau, Andreas; Ortner Hadžiabdić, Maja; Tachkov, Konstantin; Bobrova, Veera. Prevalence of potentially inappropriate prescribing in older adults in Central and Eastern Europe: a systematic review and synthesis without meta-analysis, Scientific reports 12 (2022) 16774, doi:10.1038/s41598-022-19860-8.
142. Pilepić, Viktor; Jakobušić Brala, Cvijeta; Uršić, Stanko. Intriguing chloride: involvement of chloride ions in proton transfers, Molecules 27 (2022) 1401, doi:10.3390/molecules27041401.
143. Nabergoj Makovec, Urska; Goetzinger, Catherine; Ribaut, Janette; Barnestein-Fonseca, Pilar; Haupenthal, Frederik; Herdeiro, Maria Teresa; Grant, Sean Patrick; Jácome, Cristina; Roque, Fatima;

- Smits, Dins; Tadić, Ivana; Dima, Alexandra L.; ENABLE Collaborators. Developing a medication adherence technologies repository: proposed structure and protocol for an online real-time Delphi study, *British medical journal* 12 (2022) e059674, doi:10.1136/bmjopen-2021-059674.
144. Zenić, Lucija; Polančec, Denis; Hudetz, Damir; Jeleč, Željko; Rod, Eduard; Vidović, Dinko; Starešinić, Mario; Sabalić, Srećko; Vrdoljak, Trpimir; Petrović, Tadija et al. Medicinal signaling cells niche in stromal vascular fraction from lipoaspirate and microfragmented counterpart, *Croatian medical journal* 63 (2022) 265-272, doi:10.3325cmj.2022.63.265.
145. Petrović, Tea; Vijay, Amrita; Vučković, Frano; Trbojević-Akmačić, Irena; Ollivere Benjamin J.; Marjanović, Damir; Bego, Tamer; Prnjavorac, Besim; Đerek, Lovorka; Markotić, Alemka et al. IgG N-glycome changes during the course of severe COVID-19: An observational study, *eBioMedicine* 81 (2022) 104101, doi: 101016j.ebiom.2022.104101.
146. Pavić, Marina; Coen Herak, Désirée; Radić Antolić, Margareta; Čeri, Andrea; Leniček Krleža, Jasna; Zrinski Topić, Renata; Zadro, Renata. Allele and haplotype frequencies of P-selectin gene in Croatian population and review of literature, *Human gene* 33 (2022) 201056, 7doi:10.1016j.humgen.2022.201056.
147. Milevoj Kopčinović, Lara; Juričić, Gordana; Bokulić, Adriana; Vukasović, Ines; Ćelap, Ivana; Čičak, Helena; Kocijančić, Marija; Miloš, Marija; Lovrić, Mila; Siter Kuprešanin, Marija et al. Verification policies in Croatian medical biochemistry laboratories: a survey of the practice, *Biochimia medica* 32 (2022) 020703, doi:10.11613BM.2022.020703.
148. Jurić, Sandra. Solvolytic behavior of some ferrocenylphenylmethyl-4-methoxypyridinium cations in various solvent, *Journal of Physical Organic Chemistry* 35 (2022) 10-20, doi:10.1002poc.4236.
149. Zorić, Marina; Banožić, Marija; Aladić, Krunoslav; Vladimir-Knežević, Sanda; Jokić, Stela. Supercritical CO<sub>2</sub> extracts in cosmetic industry: Current status and future perspectives, *Sustainable chemistry and pharmacy* 27 (2022) 100688, doi:10.1016j.scp.2022.100688.
150. Marić, Tihana; Wójcik, Iwona; Katušić Bojanac, Ana; Matijević, Ana; Ceppi, Marcello; Bruzzone, Marco; Evgeni, Evangelini; Petrović, Tea; Trbojević-Akmačić, Irena; Lauc, Gordan et al. Seminal plasma N-glycome as a new biomarker of environmental exposure associated with semen quality, *Reproductive toxicology* 113 (2022) 96-102, doi:10.1016j.reprotox.2022.08.005.
151. Popović, Karmela Ana; Mayer, Ljiljana; Milas, Ivan; Gaće, Mihaela; Šostarić, Milica; Šekerija, Mario; Stručić, Franjo; Verbanac, Donatella. Prognostic significance of preoperative computed hematological inflammatory parameters in patients with breast cancer, *Libri oncologici : Croatian journal of oncology* 50 (2022) 66-80, doi:10.20471LO.2022.50.02-03.12.
152. Biegański, Przemysław; Kovalski, Eduard; Israel, Noel; Dmitrieva, Evgenia; Trzybiński, Damian; Woźniak, Krzysztof; Vrček, Valerije; Godel, Martina; Riganti, Chiara; Kopecka, Joanna et al. Electronic coupling in 1,2,3-triazole bridged ferrocenes and its impact on reactive oxygen species generation and deleterious activity in cancer cells, *Inorganic chemistry* 61 (2022) 9650-9666, doi:10.1021acs.inorgchem.2c01110.
153. Zubčić, Gabrijel; Shkunnikova, Sofia; Šakić, Davor; Marijan, Marijan. Renesansa Hofmann-Löffler-Freytag reakcije – razvoj C–H funkcionalizacijskih strategija poprincipima zelene kemije, *Kemija u industriji : časopis kemičara i tehnologa Hrvatske* 71 (2022) 359-373, doi:10.15255KUI.2021.070.
154. Kremer, Dario; Stabentheiner, Edith; Nazlić, Marija; Randić, Marko; Srećec, Siniša; Dunkić, Valerija. Barrelier's Speedwell (*Veronica barrelieri* Schott ex Roem. et Schult., Plantaginaceae) – Potential of Free Volatile Compounds for Horticulture, *Horticulturae* 8 (2022) 777, doi:10.3390horticulturae8090777.
155. Dumić, Jerka; Cvetko, Ana; Abramović, Irena; Šupraha Goreta, Sandra; Perović, Antonija; Njire Bratičević, Marina; Kifer, Domagoj; Sinčić, Nino; Gornik, Olga; Žarak, Marko. Changes in Specific Biomarkers Indicate Cardiac Adaptive and Anti-inflammatory Response of Repeated Recreational SCUBA Diving, *Frontiers in Cardiovascular Medicine* 9 (2022) 855682, doi:10.3389fcvm.2022.855682.

156. Bučar, Marija; Šegota, Vedran; Rimac, Anja; Koletić, Nikola; Marić, Tihana; Alegro, Antun. Green Christmas: bryophytes as ornamentals in Croatian traditional nativity scenes, *Journal of Ethnobiology and Ethnomedicine* 18 (2022) 1-12, doi:10.1186/s13002-022-00516-w.
157. Slade-Vitković, Mia; Bedenić, Branka; Bielen, Luka; Batarilo, Ivanka; Kibel, Sara; Maravić-Vlahovićek, Gordana. In vitro killing of multidrug extensively drug-resistant *Pseudomonas aeruginosa* by fosfomycin alone or in combination with antipseudomonal antibiotics, *Journal of chemotherapy* 35 (2022) 219-230, doi:10.1080/1120009x.2022.2108247.
158. Poje, Goran; Marinović, Marina; Pavić, Kristina; Mioč, Marija; Kralj, Marijeta; Pessanha de Carvalho, Lais; Held, Jana; Perković, Ivana; Rajić, Zrinka. Harmicens, Novel Harmine and Ferrocene Hybrids: Design, Synthesis and Biological Activity, *International journal of molecular sciences* 23 (2022) 9315, doi:10.3390/ijms23169315.
159. Madunić, Josip; Hercog, Klara; Gerić, Marko; Domijan, Ana-Marija; Žegura, Bojana; Gajski, Goran. Marine toxin domoic acid induces moderate toxicological response in non-target HepG2 cells, *Toxicology* 470 (2022) 153157, doi:10.1016/j.tox.2022.153157.