

Curriculum Vitae



Име и презиме	др Владимир Б. Михаиловић
Датум и место рођења	22. 02. 1984., Крагујевац, Србија
Запослен на	Природно-математички факултет, Универзитет у Крагујевцу Радоја Домановића 12, 34 000 Крагујевац
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Научно/наставно звање	
2016 – до сад	Доцент (реизбор у звање: 09.06.2021. год.) Институт за хемију, Природно-математички факултет, Крагујевац
2014 – 2016.	Научни сарадник, Институт за хемију, Природно-математички факултет, Крагујевац
2011 – 2014.	Истраживач сарадник, Институт за хемију, Природно-математички факултет, Крагујевац
2009 – 2011.	Истраживач приправник, Институт за хемију, Природно-математички факултет, Крагујевац
Образовање	
2009 – 2013.	Докторске академске студије хемије, смер биохемија, Природно-математички факултет у Крагујевцу
2003 – 2009.	Дипломирани хемичар, Природно-математички факултет, Крагујевац
1999 – 2003.	Друга крагујевачка гимназија, Крагујевац
Усавршавање	
Јун 2021.	Наставничка мобилност у трајању од 5 радних дана у оквиру Erasmus+ програма стипендиране мобилности на Биотехничком факултету, Универзитет у Битољу, Северна Македонија.
Јун 2019.	Наставничка мобилност у трајању од 5 радних дана у оквиру Erasmus+ програма стипендиране мобилности на Департману за фармакогнозију, Факултет за фармацију, Аристотелов универзитет у Солуну, Грчка.
Септембар 2014 – март 2015.	Постдокторско усавршавање, Факултет за фармацију, одсек за фармацеутску биологију, Љубљана, Словенија. Стипендиста Министарства просвете, науке и технолошког развоја Републике Србије.
Ужа научна област	Биохемија
Настава	
<i>Основне академске студије хемије</i>	<ol style="list-style-type: none">1. Биохемија примарних биомолекула2. Биохемија секундарних биомолекула3. Одабрана поглавља биохемије4. Хемија природних производа (практична настава)
<i>Основне академске студије Инжењерство заштите животне средине</i>	<ol style="list-style-type: none">1. Органска хемија са биохемијом2. Биотехнолошки принципи у заштити животне средине

Мастер академске студије хемије	1. Зелена хемија
Докторске академске студије хемије	1. Биохемија биљака 2. Биохемија природних антиоксиданата 3. Биохемија хране и исхране
Пројекти	Министарство просвете, науке и технолошког развоја Републике Србије: Пројекат бр. ИИИ 43004: „Симултана биоремедијација и соилификација деградираних простора, за очување природних ресурса биолошки активних супстанци и развој и производњу биоматеријала и дијететских производа“ (2011 – 2020.) Министарство пољопривреде, шумарства и водопривреде Републике Србије: Једногодишњи пројекат реформе пољопривреде у транзицији STAR ПРОЈЕКАТ ААР 024 (Бр. 401-001972/2010-03): „Испитивање екстраката домаћих биљака (<i>Morus alba</i> , <i>Halascya sendtneri</i> , <i>Daucus carota</i> ssp. <i>carota</i>) као потенцијалних биоинсектицида“ (2010 – 2011.)
Чланство у стручним и научним асоцијацијама	Биохемијско друштво Србије Друштво за физиологију биљака Србије Српско хемијско друштво Друштво за проучавање лековитих биљака и природних производа (<i>Society for Medicinal Plant and Natural Product Research – GA</i> , Немачка)
Страни језици	Енглески
Остало	Ментор две одбрањене докторске дисертације и једне која је у изради, 9 мастер и 10 дипломских радова. Члан уравниг одбора Биохемијског друштва Србије од 2019. године Члан уредништва часописа <i>Kragujevac Journal of Science</i> . Заменик координатора за Еразмус+ на Природно-математичком факултету у Крагујевцу. Председник организационог одбора X конференције Биохемијског друштва србије, 24.09.2021. године, Крагујевац. Члан организационих и научних одбора националних научних конференција. Број хетероцитата: 813, Author <i>h</i> -index: 15 (извор: <i>Scopus</i>)

Публикације

Поглавља у књигама M11 водећег међународног значаја (M13):

1. **Vladimir Mihailović***, Jelena Katanić Stanković, Nevena Mihailović, Phenolic Compounds Diversity of *Teucrium* Species. In: Milan Stanković (ed), *Teucrium* Species: Biology and Applications, 2020, Springer, Cham, Pages 143-177. https://doi.org/10.1007/978-3-030-52159-2_6. Print ISBN: 978-3-030-52158-5 Online ISBN: 978-3-030-52159-2
2. Jelena B. Popović-Djordjević, Jelena S. Katanić Stanković, **Vladimir Mihailović***, Muhammad Akram, Chapter 1 - Biochemistry and metabolism. In: Charis M. Galanakis (ed), *Saffron*, 2021, Academic Press, Pages 1-40. <https://doi.org/10.1016/B978-0-12-821219-6.00001-4>. ISBN 9780128212196

Научни радови публиковани у међународним часописима изузетних вредности (M21a):

3. Nikola Srećković, Jelena S. Katanić Stanković, Sanja Matić, Nevena R. Mihailović, Paola Imbimbo, Daria Maria Monti, **Vladimir Mihailović***, *Lythrum salicaria* L. (Lythraceae) as a promising source of phenolic compounds in the modulation of oxidative stress: Comparison between aerial parts and root extracts, *Industrial Crops and Products* 155 (2020) 112781. <https://doi.org/10.1016/j.indcrop.2020.112781>
ISSN: 0926-6690

IF₂₀₂₀ = 5,645 (5/91 област: Agronomy)

4. **Vladimir Mihailović***, Jelena S. Katanić Stanković, Tatjana Jurić, Nikola Srećković, Danijela Mišić, Branislav Šiler, Daria Maria Monti, Paola Imbimbo, Stefanie Nikles, San-Po Pan, Rudolf Bauer, *Blackstonia perfoliata* (L.) Huds. (Gentianaceae): A promising source of useful bioactive compounds, *Industrial Crops and Products* 143 (2020) Article 111974 <https://doi.org/10.1016/j.indcrop.2019.111974>
ISSN: 0926-6690
IF₂₀₂₀ = 5,645 (5/91 област: Agronomy)
5. Jelena S. Katanić Stanković, Nikola Srećković, Danijela Mišić, Uroš Gašić, Paola Imbimbo, Daria Maria Monti, **Vladimir Mihailović**, Bioactivity, biocompatibility and phytochemical assessment of lilac sage, *Salvia verticillata* L. (Lamiaceae) - A plant rich in rosmarinic acid, *Industrial Crops and Products* 143 (2020) Article 111932 <https://doi.org/10.1016/j.indcrop.2019.111932>
ISSN: 0926-6690
IF₂₀₂₀ = 5,645 (5/91 област: Agronomy)
6. Jelena Katanić, Eva-Maria Pferschy-Wenzig, **Vladimir Mihailović**, Tatjana Boroja, San-Po Pan, Stefanie Nikles, Nadine Kretschmer, Gvozden Rosić, Dragica Selaković, Jovana Joksimović, Rudolf Bauer, Phytochemical analysis and anti-inflammatory effects of *Filipendula vulgaris* Moench extracts, *Food and Chemical Toxicology* 122 (2018) 151-162. <https://doi.org/10.1016/j.fct.2018.10.001>
ISSN: 0278-6915
IF₂₀₁₇ = 3,977 (10/133 област: Food Science & Technology)
7. Tatjana Boroja, Jelena Katanić, Gvozden Rosić, Dragica Selaković, Jovana Joksimović, Danijela Mišić, Vesna Stanković, Nemanj Jovičić, **Vladimir Mihailović***, Summer savory (*Satureja hortensis* L.) extract: Phytochemical profile and modulation of cisplatin-induced liver, renal and testicular toxicity, *Food and Chemical Toxicology* 118 (2018) 252–263. <https://doi.org/10.1016/j.fct.2018.05.001>
ISSN: 0278-6915
IF₂₀₁₇ = 3,977 (10/133 област: Food Science & Technology)
8. Gokhan Zengin, Ramazan Ceylan, Jelena Katanić, Abdurrahman Aktumsek, Sanja Matić, Tatjana Boroja, Snežana Stanić, **Vladimir Mihailović**, Roumita Seebaluck-Sandoram, Adriano Mollica, Mohamad Fawzi Mahomoodally, Exploring the therapeutic potential and phenolic composition of two Turkish ethnomedicinal plants – *Ajuga orientalis* L. and *Arnebia densiflora* (Nordm.) Ledeb., *Industrial Crops and Products* 116 (2018) 240–248. <https://doi.org/10.1016/j.indcrop.2018.02.054>
ISSN: 0926-6690
IF₂₀₁₈ = 4,191 (6/87 област: Agronomy)
9. Gokhan Zengin, Ramazan Ceylan, Jelena Katanić, Adriano Mollica, Abdurrahman Aktumsek, Tatjana Boroja, Sanja Matić, **Vladimir Mihailović**, Snežana Stanić, Zaahira Aumeeruddy-Elalfi, Mustafa Abdullah Yilmaz, Mohamad Fawzi Mahomoodally, Combining *in vitro*, *in vivo* and *in silico* approaches to evaluate nutraceutical potentials and chemical fingerprints of *Moltingia aurea* and *Moltingia coerulesa*, *Food and Chemical Toxicology* 107 (2017) 540-553. <https://doi.org/10.1016/j.fct.2017.04.004>
ISSN: 0278-6915
IF₂₀₁₇ = 3,977 (10/133 област: Food Science & Technology)
10. Jelena Katanić, Sanja Matić, Eva-Maria Pferschy-Wenzig, Nadine Kretschmer, Tatjana Boroja, **Vladimir Mihailović**, Vesna Stanković, Nevena Stanković, Milan Mladenović, Snežana Stanić, Mirjana Mihailović, Rudolf Bauer, *Filipendula ulmaria* extracts attenuate cisplatin-induced liver and kidney oxidative stress in rats: *In vivo* investigation and LC-MS analysis, *Food and Chemical Toxicology* 99 (2017) 86-102. <http://dx.doi.org/10.1016/j.fct.2016.11.018>
ISSN: 0278-6915
IF₂₀₁₇ = 3,977 (10/133 област: Food Science & Technology)
11. Eva Tavčar Benković, Dušan Žigon, **Vladimir Mihailović**, Tanja Petelinc, Polona Jamnik, Samo Kreft, Identification, *in vitro* and *in vivo* antioxidant activity, and gastrointestinal stability of lignans from silver fir (*Abies alba*) wood extract, *Journal of Wood Chemistry and Technology* 37 (2017) 467-477. <http://dx.doi.org/10.1080/02773813.2017.1340958>
ISSN: 0277-3813 print / 1532-2319 online
IF₂₀₁₅ = 1,830 (3/21 област: Materials Science, Paper & Wood)

12. Jelena Katanića, Tatjana Boroja, **Vladimir Mihailović**, Stefanie Nikles, San-Po Pan, Gvozden Rosić, Dragica Selaković, Jovana Joksimović, Slobodanka Mitrović, Rudolf Bauer, *In vitro* and *in vivo* assessment of meadowsweet (*Filipendula ulmaria*) as anti-inflammatory agent, *Journal of Ethnopharmacology* 193 (2016) 627–636. <http://dx.doi.org/10.1016/j.jep.2016.10.015> corr. 198 (2017), 608–609. DOI: 10.1016/j.jep.2017.02.012
ISSN: 0378-8741
IF₂₀₁₅ = 3,055 (2/24 област: Integrative & Complementary Medicine)
13. **Vladimir Mihailović***, Samo Kreft, Eva Tavčar Benković, Nevena Ivanović, Milan S. Stanković, Chemical profile, antioxidant activity and stability in stimulated gastrointestinal tract model system of three *Verbascum* species, *Industrial Crops and Products* 89 (2016) 141–151. <http://dx.doi.org/10.1016/j.indcrop.2016.04.075>
ISSN: 0926-6690
IF₂₀₁₅ = 3,449 (6/83 област: Agronomy)
14. Ramazan Ceylan, Jelena Katanić, Gokhan Zengin, Sanja Matić, Abdurrahman Aktumsek, Tatjana Boroja, Snežana Stanić, **Vladimir Mihailović**, Gokalp Ozmen Guler, Mehmet Boga, Mustafa Abdullah Yilmaz, Chemical and biological fingerprints of two Fabaceae species (*Cytisopsis dorycnifolia* and *Ebenus hirsuta*): Are they novel sources of natural agents for pharmaceutical and food formulations?, *Industrial Crops and Products* 84 (2016) 254–262. <http://dx.doi.org/10.1016/j.indcrop.2016.02.019>
ISSN: 0926-6690
IF₂₀₁₅ = 3,449 (6/83 област: Agronomy)
15. **Vladimir Mihailović***, Danijela Mišić, Sanja Matić, Mirjana Mihailović, Snežana Stanić, Miroslav M. Vrvic, Jelena Katanić, Milan Mladenović, Nevena Stanković, Tatjana Boroja, Milan S. Stanković, Comparative phytochemical analysis of *Gentiana cruciata* L. roots and aerial parts, and their biological activities, *Industrial Crops and Products* 73 (2015) 49–62. <http://dx.doi.org/10.1016/j.indcrop.2015.04.013>
ISSN: 0926-6690
IF₂₀₁₅ = 3,449 (6/83 област: Agronomy)
16. Jelena Katanić, **Vladimir Mihailović**, Sanja Matić, Vesna Stanković, Nevena Stanković, Tatjana Boroja, Milan Mladenović, Snežana Stanić, Samo Kreft, Mirjana Mihailović, The ameliorating effect of *Filipendula hexapetala* extracts on hepatorenal toxicity of cisplatin, *Journal of Functional Foods* 18 (2015) 198–212. <http://dx.doi.org/10.1016/j.jff.2015.07.004> corr. 28 (2017) 326–327. DOI: 10.1016/j.jff.2016.11.017
ISSN: 1756-4646
IF₂₀₁₅ = 3,973 (8/125 област: Food Science & Technology)
17. Sanja Matić, Jelena Katanić, Snežana Stanić, Milan Mladenović, Nevena Stanković, **Vladimir Mihailović**, Tatjana Boroja, *In vitro* and *in vivo* assessment of the genotoxicity and antigenotoxicity of the *Filipendula hexapetala* and *Filipendula ulmaria* methanol extracts, *Journal of Ethnopharmacology* 174 (2015) 287–292. <http://dx.doi.org/10.1016/j.jep.2015.08.025> corr. 200 (2017) 236. DOI: 10.1016/j.jep.2017.02.030
ISSN: 0378-8741
IF₂₀₁₅ = 3,055 (2/24 област: Integrative & Complementary Medicine)
18. Milan Mladenović, Nevena Stanković, Sanja Matić, Snežana Stanić, Mirjana Mihailović, **Vladimir Mihailović**, Jelena Katanić, Tatjana Boroja, Nenad Vuković, Newly discovered chroman-2,4-diones neutralize the *in vivo* DNA damage induced by alkylation through the inhibition of Topoisomerase II α : A story behind the molecular modeling approach, *Biochemical Pharmacology* 98 (2015) 243–266. <http://dx.doi.org/10.1016/j.bcp.2015.08.106>
ISSN: 0006-2952
IF₂₀₁₅ = 5,091 (23/255 област: Pharmacology & Pharmacy)
19. **Vladimir Mihailović***, Mirjana Mihailović, Aleksandra Uskoković, Jelena Arambašić, Danijela Mišić, Vesna Stanković, Jelena Katanić, Milan Mladenović, Slavica Solujić, Sanja Matić, Hepatoprotective effects of *Gentiana asclepiadea* L. extracts against carbon tetrachloride induced liver injury in rats, *Food and Chemical Toxicology* 52 (2013), 83-90. <http://dx.doi.org/10.1016/j.fct.2012.10.034>
ISSN: 0278-6915
IF₂₀₁₂ = 3,010 (12/124 област: Food Science & Technology)
20. Milan Mladenović, Sanja Matić, Snežana Stanić, Slavica Solujić, **Vladimir Mihailović**, Nevena Stanković, Jelena Katanić, Combining molecular docking and 3-D pharmacophore generation to enclose the *in vivo* antigenotoxic activity of naturally occurring aromatic compounds: Myricetin, quercetin, rutin, and rosmarinic acid, *Biochemical Pharmacology* 86 (2013) 1376–1396. <http://dx.doi.org/10.1016/j.bcp.2013.08.018>

ISSN: 0006-2952

IF₂₀₁₃ = 4,650 (25/256 област: Pharmacology & Pharmacy)

Научни радови публиковани у врхунским међународним часописима (M21)

21. **Vladimir Mihailovic**, Jelena S. Katanic Stankovic, Dragica Selakovic, Gvozden Rosic, An Overview of the Beneficial Role of Antioxidants in the Treatment of Nanoparticle-Induced Toxicities, *Oxidative Medicine and Cellular Longevity*, Volume 2021, Article ID 7244677, 21 pages. <https://doi.org/10.1155/2021/7244677>
ISSN: 1942-0900
IF₂₀₂₀ = 6,543 (54/195 област: Cell Biology)
22. Jelena B Popović-Djordjević, Jelena S Katanić Stanković, **Vladimir Mihailović**, Antia G Pereira, Paula Garcia-Oliveira, Miguel A Prieto, Jesus Simal-Gandara, Algae as a Source of Bioactive Compounds to Prevent the Development of Type 2 Diabetes Mellitus, *Current Medicinal Chemistry*, 2021, 28(23), 4592–4615. DOI: 10.2174/0929867328666210325100654
ISSN: 0929-8673
IF₂₀₂₀ = 4,530 (17/63 област: Chemistry, Medicinal)
23. Natalija Arsenijevic, Dragica Selakovic, Jelena S. Katanic Stankovic, **Vladimir Mihailovic**, Slobodanka Mitrovic, Jovana Milenkovic, Pavle Milanovic, Miroslav Vasovic, Snezana D. Markovic, Marko Zivanovic, Jelena Grujic, Nemanja Jovicic, Gvozden Rosic, The Beneficial Role of *Filipendula ulmaria* Extract in Prevention of Prodepressant Effect and Cognitive Impairment Induced by Nanoparticles of Calcium Phosphates in Rats, *Oxidative Medicine and Cellular Longevity*, Volume 2021, Article ID 6670135, 12 pages. <https://doi.org/10.1155/2021/6670135>
ISSN: 1942-0900
IF₂₀₂₀ = 6,543 (54/195 област: Cell Biology)
24. Jelena S. Katanic Stankovic, Dragica Selakovic, **Vladimir Mihailovic***, Gvozden Rosic, Antioxidant Supplementation in the Treatment of Neurotoxicity Induced by Platinum-Based Chemotherapeutics—A Review, *International Journal of Molecular Science* 21 (2020) 7753. doi:10.3390/ijms21207753
ISSN: 1422-0067
IF₂₀₂₀ = 5,923 (67/297 област: Biochemistry & Molecular Biology)
25. Nevena R. Mihailović, **Vladimir B. Mihailović**, Andrija R. Ćirić, Nikola Z. Srećković, Mirjana R. Cvijović, Ljubinka G. Joksović, Analysis of Wild Raspberries (*Rubus idaeus* L.): Optimization of the Ultrasonic-Assisted Extraction of Phenolics and a New Insight in Phenolics Bioaccessibility, *Plant Foods for Human Nutrition* 74 (2019) 399–404. <https://doi.org/10.1007/s11130-019-00756-4>
ISSN: 0921-9668
IF₂₀₁₈ = 2,598 (40/135 област: Food Science & Technology)
26. Rade Vukovic, Igor Kumburovic, Jovana Joksimovic Jovic, Nemanja Jovicic, Jelena S. Katanic Stankovic, Vladimir Mihailovic, Milos Djuric, Stefan Velickovic, Aleksandra Arnaut, Dragica Selakovic, Gvozden Rosic, *N*-Acetylcysteine Protects against the Anxiogenic Response to Cisplatin in Rats, *Biomolecules* 9 (2019) 892. doi:10.3390/biom9120892
ISSN: 2218-273X
IF₂₀₁₈ = 4,694 (58/299 област: Biochemistry & Molecular Biology)
27. Igor Kumburovic, Dragica Selakovic, Tatjana Jurić, Nemanja Jovicic, **Vladimir Mihailovic**, Jelena Katanic Stanković, Nikola Sreckovic, Davor Kumburovic, Vladimir Jakovljevic, Gvozden L. Rosic, Antioxidant effects of *Satureja hortensis* L. attenuate the anxiogenic effect of cisplatin in rats, *Oxidative Medicine and Cellular Longevity* (2019) Article ID 8307196, 15 pages <https://doi.org/10.1155/2019/8307196>
ISSN: 1942-0900
IF₂₀₂₀ = 6,543 (54/195 област: Cell Biology)
28. Jelena Katanić, Fatima Yousfi, Marisa Carmela Caruso, Sanja Matić, Daria Maria Monti, El Hassania Loukili, Tatjana Boroja, **Vladimir Mihailović**, Fernanda Galgano, Paola Imbimbo, Ganna Petruk, Mohamed Bouhrim, Mohamed Bnouham, Mohammed Ramdani, Characterization of bioactivity and phytochemical composition with toxicity studies of different *Opuntia dillenii* extracts from Morocco, *Food Bioscience* 30 (2019) 100410. <https://doi.org/10.1016/j.fbio.2019.04.011>
ISSN: 2212-4292
IF₂₀₁₈ = 3,220 (32/135 област: Food Science & Technology)

29. Jovana Joksimovic, Dragica Selakovic, Nemanja Jovicic, Slobodanka Mitrovic, **Vladimir Mihailovic**, Jelena Katanic, Dragan Milovanovic, Gvozden Rosic, Exercise Attenuates Anabolic Steroids-Induced Anxiety via Hippocampal NPY and MC4 Receptor in Rats. *Frontiers in Neuroscience* (2019)13: 172. doi: 10.3389/fnins.2019.00172
ISSN: 1662-453X
IF₂₀₁₇ = 3,877 (77/261 област: Neurosciences)
30. Dragica Selakovic, Jovana Joksimovic, Nemanja Jovicic, Slobodanka Mitrovic, **Vladimir Mihailovic**, Jelena Katanic, Dragan Milovanovic, Suzana Pantovic, Natasa Mijailovic, Gvozden Rosic, The Impact of Hippocampal Sex Hormones Receptors in Modulation of Depressive-Like Behavior State Levels Following Chronic Anabolic Androgenic Steroids and Exercise Protocols in Rats, *Frontiers in Behavioral Neuroscience* (2019) 13: 19. doi: 10.3389/fnbeh.2019.00019
ISSN: 1662-5153
IF₂₀₁₇ = 3,138 (15/51 област: Behavioral Sciences)
31. J. P. Bugarinović, M. S. Pešić, A. Minić, J. Katanić, D. Ilić - Komatina, A. Pejović, **V. Mihailović**, D. Stevanović, B. Nastasijević, I. Damljanović, Ferrocene-containing tetrahydropyrazolopyrazolones: Antioxidant and antimicrobial activity, *Journal of Inorganic Biochemistry* 189 (2018) 134–142. <https://doi.org/10.1016/j.jinorgbio.2018.09.015>
ISSN: 0162-0134
IF₂₀₁₈ = 3,224 (11/45 област: Chemistry, Inorganic & Nuclear)
32. Nevena R. Mihailović, **Vladimir B. Mihailović**, Samo Kreft, Andrija R. Ćirić, Ljubinka G. Joksović, Predrag T. Đurđević, Analysis of phenolics in the peel and pulp of wild apples (*Malus sylvestris* (L.) Mill.), *Journal of Food Composition and Analysis* 67 (2018) 1–9. <https://doi.org/10.1016/j.jfca.2017.11.007>
ISSN: 0889-1575
IF₂₀₁₈ = 2,994 (20/71 област: Chemistry, Applied)
33. Nevena B. Đorđević, Sanja LJ. Matić, Snežana B. Simić, Snežana M. Stanić, **Vladimir B. Mihailović**, Nevena M. Stanković, Vesna D. Stanković, Andrija R. Ćirić, Impact of the toxicity of *Cylindrospermopsis raciborskii* (Woloszynska) Seenayya & Subba Raju on laboratory rats *in vivo*, *Environmental Science and Pollution Research* 24 (2017) 14259–14272. DOI 10.1007/s11356-017-8940-6
ISSN: 0944-1344
IF₂₀₁₅ = 2,760 (65/225 област: Environmental Sciences) M21
34. Jelena Katanić, Tatjana Boroja, Nevena Stanković, **Vladimir Mihailović**, Milan Mladenović, Samo Kreft, Miroslav M. Vrvic, Bioactivity, stability and phenolic characterization of *Filipendula ulmaria* (L.) Maxim., *Food & Function* 6 (2015) 1164-1175. DOI: 10.1039/c4fo01208a
ISSN: 2042-6496
IF₂₀₁₅ = 3,247 (15/129 област: Food Science & Technology)
35. **Vladimir Mihailović***, Jelena Katanić, Danijela Mišić, Vesna Stanković, Mirjana Mihailović, Aleksandra Uskoković, Jelena Arambašić, Slavica Solujić, Milan Mladenović, Nevena Stanković, Hepatoprotective effects of secoiridoid-rich extracts from *Gentiana cruciata* L. against carbon tetrachloride induced liver damage in rats, *Food & Function* 5 (2014) 1795-1803. DOI: 10.1039/c4fo00088a
ISSN: 2042-6496
IF₂₀₁₃ = 2,907 (16/122 област: Food Science & Technology)
36. Nevena Stanković, Milan Mladenović, Mirjana Mihailović, Jelena Arambašić, Aleksandra Uskoković, Vesna Stanković, **Vladimir Mihailović**, Jelena Katanić, Sanja Matić, Slavica Solujić, Nenad Vuković, Slobodan Sukdolak, Synthesis and toxicological studies of *in vivo* anticoagulant activity of novel 3-(1-aminoethylidene)chroman-2,4-diones and 4-hydroxy-3-(1-iminoethyl)-2H-chromen-2-ones combined with a structure-based 3-D pharmacophore model, *European Journal of Pharmaceutical Sciences* 52 (2014) 20-35. <http://dx.doi.org/10.1016/j.ejps.2014.01.004>
ISSN: 0928-0987
IF₂₀₁₄ = 3,350 (66/255 област: Pharmacology & Pharmacy)
37. Milan Mladenović, Mirjana Mihailović, Desanka Bogojević, Nenad Vuković, Slobodan Sukdolak, Sanja Matić, Neda Nićiforović, **Vladimir Mihailović**, Pavle Mašković, Miroslav M. Vrvic, Slavica Solujić, Biochemical and pharmacological evaluation of 4-hydroxychromen-2-ones bearing polar C-3 substituents as anticoagulants, *European Journal of Medicinal Chemistry* 54 (2012) 144-158. doi:10.1016/j.ejmech.2012.04.036
ISSN: 0223-5234

IF₂₀₁₂ = 3,499 (13/59 област: Chemistry, Medicinal)

38. Milan Mladenović, Mirjana Mihailović, Desanka Bogojević, Sanja Matić, Neda Nićiforović, **Vladimir Mihailović**, Nenad Vuković, Slobodan Sukdolak and Slavica Solujić, *In Vitro* Antioxidant Activity of Selected 4-Hydroxy-Chromene-2-One Derivatives—SAR, QSAR and DFT Studies, *International Journal of Molecular Sciences* 12 (2011) 2822-2841. doi:10.3390/ijms12052822
ISSN: 1422-0067
IF₂₀₁₁ = 2,598 (45/154 област: Chemistry, Multidisciplinary)
39. Neda Nićiforović, **Vladimir Mihailović**, Pavle Mašković, Slavica Solujić, Ana Stojković, Dragana Pavlović-Muratspahić, Antioxidant activity of selected plant species; potential new sources of natural antioxidants, *Food and Chemical Toxicology* 48 (2010) 3125-3130. doi:10.1016/j.fct.2010.08.007
ISSN: 0278-6915
IF₂₀₁₀ = 2,602 (16/128 област: Food Science & Technology)

Научни радови публиковани у истакнутим часописима међународног значаја (M22):

40. Nikola Z. Srećković, Zoran P. Nedić, Davide Liberti, Daria Maria Monti, Nevena R. Mihailović, Jelena S. Katanić Stanković, Silvana Dimitrijević, **Vladimir B. Mihailović***, Application potential of biogenically synthesized silver nanoparticles using *Lythrum salicaria* L. extracts as pharmaceuticals and catalysts for organic pollutant degradation, *RSC Advances* 11 (2021) 35585–35599. DOI: 10.1039/d1ra05570d
ISSN: 2046-2069
IF₂₀₂₀ = 3,361 (81/178 област: Chemistry, Multidisciplinary)
41. Tatjana Jurić, Jelena S. Katanić Stanković, Gvozden Rosić, Dragica Selaković, Jovana Joksimović, Danijela Mišić, Vesna Stanković, **Vladimir Mihailović***, Protective effects of *Alchemilla vulgaris* L. extracts against cisplatin-induced toxicological alterations in rats, *South African Journal of Botany* 128 (2020) 141-151. <https://doi.org/10.1016/j.sajb.2019.09.010>
ISSN: 0254-6299
IF₂₀₂₀ = 2,315 (105/235 област: Plant Sciences)
42. Katarina Jakovljević, Milan D. Joksović, Bruno Botta, Ljiljana S. Jovanović, Edina Avdović, Zoran Marković, **Vladimir Mihailović**, Marijana Andrić, Snežana Trifunović, Violeta Marković, Novel 1,3,4-thiadiazole conjugates derived from protocatechuic acid: Synthesis, antioxidant activity, and computational and electrochemical studies. *Comptes Rendus Chimie* 22 (2019) 585-598. <https://doi.org/10.1016/j.crci.2019.06.001>
ISSN: 1631-0748
IF₂₀₁₈ = 2,366 (82/172 област: Chemistry, Multidisciplinary)
43. Anka Pejović, Aleksandra Minić, Jovana Bugarinović, Marko Pešić, Ivan Damljanović, Dragana Stevanović, **Vladimir Mihailović**, Jelena Katanić, Goran A. Bogdanović, Synthesis, characterization and antimicrobial activity of novel 3-ferrocenyl-2-pyrazolyl-1,3-thiazolidin-4-ones, *Polyhedron* 155 (2018) 382-389. <https://doi.org/10.1016/j.poly.2018.08.071>
ISSN: 0277-5387
IF₂₀₁₈ = 2,284 (19/45 област: Chemistry, Inorganic & Nuclear)
44. Anka Pejović, Aleksandra Minić, Jovana Jovanović, Marko Pešić, Danijela Ilić Komatina, Ivan Damljanović, Dragana Stevanović, **Vladimir Mihailović**, Jelena Katanić, Goran A. Bogdanović, Synthesis, characterization, antioxidant and antimicrobial activity of novel 5-arylidene-2-ferrocenyl-1,3-thiazolidin-4-ones, *Journal of Organometallic Chemistry* 869 (2018) 1-10. <https://doi.org/10.1016/j.jorganchem.2018.05.014>
ISSN: 0022-328X
IF₂₀₁₈ = 2,066 (29/57 област: Chemistry, Organic)
45. T. Boroja, **V. Mihailović**, J. Katanić, S.-P. Pan, S. Nikles, P. Imbimbo, D.M. Monti, N. Stanković, M.S. Stanković, R. Bauer, The biological activities of roots and aerial parts of *Alchemilla vulgaris* L., *South African Journal of Botany* 116 (2018) 175–184. <https://doi.org/10.1016/j.sajb.2018.03.007>
ISSN: 0254-6299
IF₂₀₁₈ = 1,504 (112/228 област: Plant Sciences)
46. Jovana P. Jovanović, Sladjana B. Novaković, Goran A. Bogdanović, Aleksandra Minić, Anka Pejović, Jelena Katanić, **Vladimir Mihailović**, Branislav Nastasijević, Dragana Stevanović, Ivan Damljanović, Acryloylferrocene as

a convenient precursor of tetrahydropyrazolopyrazolones: [3+2] cycloaddition with *N,N'*-Cyclic azomethine imines, *Journal of Organometallic Chemistry* 860 (2018) 85-97. <https://doi.org/10.1016/j.jorganchem.2018.02.016>

ISSN: 0022-328X

IF₂₀₁₈ = 2,066 (29/57 област: Chemistry, Organic)

47. Anka Pejović, Ivan Damjanović, Dragana Stevanović, Aleksandra Minić, Jovana Jovanović, **Vladimir Mihailović**, Jelena Katanić, Goran A. Bogdanović, Synthesis, characterization and antimicrobial activity of novel ferrocene containing quinolines: 2-ferrocenyl-4-methoxyquinolines, 1-benzyl-2-ferrocenyl-2,3-dihydroquinolin-4(1*H*)-ones and 1-benzyl-2-ferrocenylquinolin-4(1*H*)-ones, *Journal of Organometallic Chemistry* 846 (2017) 6-17.

<https://doi.org/10.1016/j.jorganchem.2017.05.051>

ISSN: 0022-328X

IF₂₀₁₆ = 2,184 (27/59 област: Chemistry, Organic)

48. Jelena Katanić, Ramazan Ceylan, Sanja Matić, Tatjana Boroja, Gokhan Zengin, Abdurrahman Aktumsek, **Vladimir Mihailović**, Snežana Stanić, Novel perspectives on two *Digitalis* species: Phenolic profile, bioactivity, enzyme inhibition, and toxicological evaluation, *South African Journal of Botany* 109 (2017) 50–57.

<http://dx.doi.org/10.1016/j.sajb.2016.12.004>

ISSN: 0254-6299

IF₂₀₁₆ = 1,427 (97/211 област: Plant Sciences)

49. Nevena Stanković, Milan Mladenović, Sanja Matić, Snežana Stanić, Vesna Stanković, Mirjana Mihailović, **Vladimir Mihailović**, Jelena Katanić, Tatjana Boroja, Nenad Vuković, Slobodan Sukdolak, Serum albumin binding analysis and toxicological screening of novel chroman-2,4-diones as oral anticoagulants, *Chemico-biological interactions* 227 (2015) 18-31. <http://dx.doi.org/10.1016/j.cbi.2014.12.005>

ISSN: 0009-2797

IF₂₀₁₆ = 3,143 (122/286 област: Biochemistry & Molecular Biology)

50. Jelena Katanić, **Vladimir Mihailović**, Nevena Stanković, Tatjana Boroja, Milan Mladenović, Slavica Solujić, Milan S. Stanković, Miroslav M. Vrvic, Dropwort (*Filipendula hexapetala* Gilib.): potential role as antioxidant and antimicrobial agent, *EXCLI Journal* 14 (2015) 1-20. <http://dx.doi.org/10.17179/excli2014-479>

ISSN: 1611-2156.

IF₂₀₁₅ = 1,292 (46/84 област: Biology)

51. **Vladimir Mihailović***, Sanja Matić, Danijela Mišić, Slavica Solujić, Snežana Stanić, Jelena Katanić, Milan Mladenović, Nevena Stanković, Chemical composition, antioxidant and antigenotoxic activities of different fractions of *Gentiana asclepiadea* L. roots extract, *EXCLI Journal* 12 (2013) 807-823.

ISSN: 1611-2156

IF₂₀₁₂ = 1,923 (27/82 област: Biology)

52. Pavle Mašković, Slavica Solujić, **Vladimir Mihailović**, Milan Mladenović, Milica Cvijović, Jelena Mladenović, Gordana Aćamović-Đoković, Vladimir Kurčubić, Phenolic compounds and biological activity of *Kitaibelia vitifolia*, *Journal of Medicinal Food* 14 (2011) 1617–1623. DOI: 10.1089/jmf.2011.0013

ISSN: 1096-620X

IF₂₀₁₀ = 1,461 (45/128 област: Food Science & Technology)

Научни радови објављени у међународним часописима (M23)

53. Nenad Zlatić, **Vladimir Mihailović**, Marija Lješević, Vladimir Beškoski, Milan Stanković, Geological substrate-related variability of *Teucrium montanum* L. (Lamiaceae) essential oil, *Biochemical Systematics and Ecology* 100 (2022) 104372. <https://doi.org/10.1016/j.bse.2021.104372>

ISSN: 0305-1978

IF₂₀₂₀ = 1,381 (277/296 област: Biochemistry & Molecular Biology)

54. Natalija Arsenijevic, Dragica Selakovic, Jelena S. Katanic Stankovic, **Vladimir Mihailovic**, Slobodanka Mitrovic, Jovana Milenkovic, Pavle Milanovic, Miroslav Vasovic, Aleksandra Nikezic, Olivera Milosevic-Djordjevic, Marko Zivanovic, Nenad Filipovic, Vladimir Jakovljevic, Nemanja Jovicic, Gvozden Rosic, Variable neuroprotective role of *Filipendula ulmaria* extract in rat hippocampus, *Journal of Integrative Neuroscience* 20(4) (2021) 871-883. DOI:10.31083/j.jin2004089

ISSN: 0219-6352

IF₂₀₂₀ = 2,117 (226/273 област: Neurosciences)

55. Nataša Mijailović, Dragica Selaković, Jovana Joksimović, **Vladimir Mihailović**, Jelena Katanić, Vladimir Jakovljević, Tamara Nikolić, Sergey Bolevich, Vladimir Zivković, Milica Pantić, Gvozden Rosić, The anxiolytic effects of atorvastatin and simvastatin on dietary induced increase in homocysteine levels in rats, *Molecular and Cellular Biochemistry* 452 (2019) 199–217. <https://doi.org/10.1007/s11010-018-3425-6>
ISSN: 0300-8177
IF₂₀₁₈ = 2,884 (123/193 област: Cell Biology)
56. Vesna Stanković, **Vladimir Mihailović**, Slobodanka Mitrović, Vladimir Jurišić, Protective and therapeutic possibility of medical herbs for liver cirrhosis, *Romanian Journal of Morphology & Embryology* 58(3) (2017) 723–729.
ISSN: 1220–0522
IF₂₀₁₇ = 0,912 (40/42 област: Developmental Biology)
57. Jovana Joksimović, Dragica Selaković, Vladimir Jakovljević, **Vladimir Mihailović**, Jelena Katanić, Tatjana Boroja, Gvozden Rosić, Alterations of the oxidative status in rat hippocampus and prodepressant effect of chronic testosterone enanthate administration, *Molecular and Cellular Biochemistry* 433 (2017) 41-50. DOI 10.1007/s11010-017-3014-0
ISSN: 0300-8177
IF₂₀₁₆ = 2,669 (115/189 област: Cell Biology)
58. Mishra, A.P., Saklani, S., Stankovic, M., Tiwari, P., Jakovljevic, D., **Mihailovic, V.**, Boroja, T., Himalayan dogwood (*Cornus capitata* wall ex. Roxb., Cornaceae): Nutritional and bioactive properties, *Oxidation Communications* 40 (1-1) (2017), 168-177.
ISSN: 0209-4541
IF₂₀₁₅ = 0,489 (144/163 област: Chemistry, Multidisciplinary)
59. Milena G. Milutinović, Milan S. Stanković, Danijela M. Cvetković, Marina D. Topuzović, **Vladimir B. Mihailović**, Snežana D. Marković, Antioxidant and anticancer properties of leaves and seed cones from european yew (*Taxus baccata* L.), *Archives of Biological Sciences* 67 (2015) 525-534. DOI:10.2298/ABS141006015M
ISSN: 0354-4664
IF₂₀₁₄ = 0,718 (68/85 област: Biology)
60. Sanja Matić, Snežana Stanić, Slavica Solujić, Nevena Stanković, Milan Mladenović, **Vladimir Mihailović**, Protective role of methanol extracts of *Gentiana asclepiadea* L. and *G. cruciata* L. against genotoxic damage induced by ethyl methanesulfonate, *Genetika* 45 (2013) 329-340. DOI: 10.2298/GENSR1302329M
ISSN: 0534-0012
IF₂₀₁₃ = 0,492 (156/165, област: Genetics & Heredity)
61. Sanja Matić, Snežana Stanić, Slavica Solujić, Milan Mladenović, **Vladimir Mihailović**, *In vivo* antigenotoxic potential and possible mechanism of action of selected 4-hydroxy-2H-chromen-2-one derivatives, *Journal of Biochemical and Molecular Toxicology* 26 (2012) 322–330. DOI: 10.1002/jbt.21426
ISSN: 1095-6670
IF₂₀₁₂ = 1,596 (232/290, област: Biochemistry & Molecular Biology)
62. Milan S. Stanković, Neda Niciforović, **Vladimir Mihailović**, Marina Topuzović, Slavica Solujić, Antioxidant activity, total phenolic content and flavonoid concentrations of different plant parts of *Teucrium polium* L. subsp. *Polium*, *Acta Societatis Botanicorum Poloniae* 81 (2012) 117-122. <http://dx.doi.org/10.5586/asbp.2012.010>
ISSN: 0001-6977
IF₂₀₁₂ = 0,585 (153/197, област: Plant Sciences)
63. Nenad Vuković, Slobodan Sukdolak, Slavica Solujić, **Vladimir Mihailović**, Milan Mladenović, Jelica Stojanović, Milan S. Stanković, Chemical composition and antimicrobial activity of *Teucrium arduini* essential oil and cirsimarin from Montenegro, *Journal of Medicinal Plants Research* 5 (2011) 1244-1250.
ISSN: 1996-0875
IF₂₀₁₀ = 0,879 (45/54, област: Chemistry, Medicinal)
64. **Vladimir Mihailović***, Nenad Vuković, Neda Nićiforović, Slavica Solujić, Milan Mladenović, Pavle Mašković, Milan S. Stanković, Studies on the antimicrobial activity and chemical composition of the essential oils and alcoholic extracts of *Gentiana asclepiadea* L., *Journal of Medicinal Plants Research* 5 (2011) 1164-1174.
ISSN: 1996-0875

IF₂₀₁₀ = 0,879 (45/54, област: Chemistry, Medicinal)

65. Milan Stanković, Marina Topuzović, Slavica Solujić, **Vladimir Mihailović**, Antioxidant activity and concentration of phenols and flavonoids in the whole plant and plant parts of *Teucrium chamaerdys* L. var. *glanduliferum* Haussk, *Journal of Medicinal Plants Research* 4 (2010) 2092-2098.

ISSN: 1996-0875

IF₂₀₁₀ = 0,879 (45/54, област: Chemistry, Medicinal)

Радови у часописима међународног значаја верификовани посебном одлуком (M24)

66. Nikola Z. Srećković, **Vladimir B. Mihailović**, Jelena S. Katanić Stanković, Physico-chemical, antioxidant and antimicrobial properties of three different types of honey from Central Serbia, *Kragujevac Journal of Science* 41 (2019) 53-68.

ISSN: 1450-9636

област: Хемија

67. Dragana Z. Predojević, Filip N. Vukajlović, **Vladimir B. Mihailović**, Snežana T. Tanasković, Snežana B. Pešić, Larvicidal efficacy of *Verbascum* spp. methanol extracts against *Plodia interpunctella* (Hübner, 1813) (Lepidoptera: Pyralidae) *Kragujevac Journal of Science* 42 (2020) 167-175.

ISSN: 1450-9636

област: Хемија

Рад у водећем часопису националног значаја (M51)

68. Dragica Selakovic, Igor Kumburovic, Jelena S. Katanic Stankovic, **Vladimir Mihailovic**, Gvozden Rosic, Molecular mechanisms of behavioral manifestations of neurotoxicity induced by platinum-based chemotherapeutics: a beneficial role for antioxidant supplementation, *Biologia Serbica* 43(1) (2021) 12-15.

ISSN: 2334-6590

област: Биологија

Рад у научном часопису (M53)

69. Todosijević Anka, Jančić Minić Aleksandra, **Mihailović Vladimir**, Srećković Nikola, Synthesis, characterization, and antimicrobial activity of novel 2-ferrocenyl-1,3-thiazolidin-4-thiones, *Chemia Naissensis* 4 (2021) 66-84.

ISSN: 2620-1895

област: Хемија

Предавања по позиву са скупа националног значаја штампани у целини (M61)

70. Vladimir B. Mihailović, Phytochemical characterization and biological activities of some *Gentiana* plants from Serbia; Proceedings, Serbian Biochemical Society - Seventh Conference: „Biochemistry of Control in Life and Technology“ (10.11.2017. Belgrade, Serbia, University of Belgrade, Faculty of Chemistry, Serbia (2017) 53-63 (ISBN 978-86-7220-091-1, COBISS.SR-ID 249132044)

Предавања по позиву са скупа националног значаја штампани у изводу (M62)

71. Vladimir Mihailović, Jelena Katanić, Nikola Srećković, Nevena Mihailović, Green synthesis of metal nanoparticles using plant extracts - new application of plant resources, Proceedings, 8th Symposium Chemistry and Environmental Protection – EnviroChem2018, 30 May – 1st June 2018, Kruševac, Serbia, Book of Abstracts p. 33-34, (ISBN 978-86-7132-068-9).