

Curriculum Vitae

Подаци	др Владимир Михаиловић
Датум и место рођења	22. 02. 1984., Крагујевац, Србија
Адреса	Природно-математички факултет, Универзитет у Крагујевцу Радоја Домановића 12, 34 000 Крагујевац
Телефон	034 336223, локал 255
e-mail	vladam@kg.ac.rs
Научно звање	
2011-данас	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
Ангажованост у практичној настави	Биохемија Хемија природних производа Биохемија ћелије Биохемија II са ензимологијом
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“ (од 2011-данас, руководилац професор др Мирослав М. Врвић, редовни професор Хемијског факултета у Београду) Министарство пољопривреде, шумарства и водопривреде Републике Србије: Једногодишњи пројекат реформе пољопривреде у транзицији STAR PROJEKAT AAR 024 (Бр. 401-001972/2010-03): „Испитивање екстракта домаћих биљака (<i>Morus alba</i>, <i>Halascya sendtneri</i>, <i>Daucus carota</i> ssp. <i>carota</i>) као потенцијалних биоинсектицида“ (2010-2011., руководилац др Снежана Танасковић, доцент Агрономског факултета у Чачку)
Чланство	Друштво за физиологију биљака Србије

Страни језици Енглески, руски

Научна област истраживања

Проучавање изабраних лековитих биљака које се користе у традиционалној медицини Србије које обухвата фитохемијска испитивања екстраката, као и *in vitro* и *in vivo* метода за одређивање биолошких и биохемијских активности њихових екстраката и секундарних метаболита. Испитивање антиоксидативне активности у *in vitro* условима различитим методама и у различитим модел-системима. Антимикробна дејство биљних препарата (етарских уља и екстраката) и секундарних метаболита биљака на различите бактеријске и фунгалне врсте. Ниво хепатопротективне активности у *in vivo* условима укључујући одређивање биохемијских параметара у серуму експерименталних животиња (активности аспартат аминотрансминазе (AST), аланин аминотрансминазе (ALT), алкалне фосфатазе (ALP), укупне протеине (TP) и укупан билирубин (TB)) и антиоксидативни статус у ткиву јетре (активности каталазе (CAT) и супероксид дисмутаза (SOD) и количину глутатиона (GSH) и тиобарбитурна киселина-реагујућих супстанци (TBARS)).

Научни радови

1. 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.
2. 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 rates, *Food and Chemical Toxicology*, 52 (2013), 83-90.
3. 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.
4. 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.
5. 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.

6. Milan Mladenović, Mirjana Mihailović, Desanka Bogojević, Nenad Vuković, Slobodan Sukdolak, Sanja Matić, Neda Nićiforović, Vladimir Mihailović, Pavle Mašković, Miroslav M. Vrvčić, 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.
7. Milan S. Stanković, Neda Nićiforović, 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.
8. 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.
9. 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.
10. Pavle Mašković, Slavica Solujić, Vladimir Mihailović, Milan Mladenović, Milica Cvijović, Jelena Mladenović, Gordana Aćamović-Đoković, Vladimir Kurćubić, Phenolic compounds and biological activity of *Kitaibelia vitifolia*, *Journal of Medicinal Food*, 14 (2011) 1617–1623.
11. 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.
12. Nenad Vuković, Slobodan Sukdolak, Slavica Solujić, Vladimir Mihailović, Milan Mladenović, Jelica Stojanović and Milan S. Stanković, Chemical composition and antimicrobial activity of *Teucrium arduini* essential oil and cirsimarin from Montenegro, *Journal of Medicinal Plants Research*, 5 (2011) 1164-1174.
13. 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 chamaedrys* L. var. *glanduliferum* Haussk, *Journal of Medicinal Plants Research*, 4 (2010) 2092-2098.
14. 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.

Научни конгреси

1. T. Milošević, N. Nićiforović, V. Mihailović, N. Vuković, Chemical composition and antimicrobial activity of the essential oils of flowers, leaves and stems of *Cotinus coggygia*, *Book of Abstracts of the 7th Joint Meeting of AFERP, ASP, GA, PSE & SIF (Athens, Greece, August 3-8, 2008)*, *Planta Medica*, 74 (2008) p. 1194 (ISBN: 0032-0943).

2. V. Mihailović, N. Vuković, J. Stojanović, N. Nićiforović, Chemical composition and antimicrobial activity of the essential oil of the underground parts of *Gentiana asclepiadea*, *Book of Abstracts of the 57th International Congress and Annual Meeting of the GA (Geneva, Switzerland, August 16-20, 2009)* *Planta Medica*, 75 (2009), p. 1060 (ISBN: 0032-0943).
3. N. Nićiforović, V. Mihailović, M. Mladenović, N. Vuković, M. Stanković, Preliminary determination of biochemical activity of the three plants of the *Echium* genus, *Book of Abstracts of the 57th International Congress and Annual Meeting of the GA (Geneva, Switzerland, August 16-20, 2009)* *Planta Medica*, 75 (2009), p. 1055 (ISBN: 0032-0943).
4. N. Nićiforović, V. Mihailović, S. Solujić, D. Pavlović-Muratspahić, *In vitro* antioxidant activity and tannin content of *Echium italicum* L., *Book of Abstracts of the 58th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (Berlin, Germany, 29th August – 2nd September 2010)* *Planta Medica*, 76 (2010), p. 1255 (ISBN: 0032-0943).
5. M. Stanković, M. Topuzović, S. Solujić, D. Pavlović, A. Marković, N. Nićiforović, V. Mihailović, Total phenol and flavonoid contents of extracts from different plant parts of *Teucrium montanum*, *Book of Abstracts of the 58th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (Berlin, Germany, 29th August – 2nd September 2010)* *Planta Medica*, 76 (2010), p. 1261-1262 (ISBN: 0032-0943).
6. T. Milošević, C. Argyropoulou, V. Mihailović, M. Stanković, S. Solujić, H. Skaltsa, Essential oil of *Centaurea pannonica* (Heufel) Simonkai and antioxidant activity of the methanol extract, *Book of Abstracts of the 58th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (Berlin, Germany, 29th August – 2nd September 2010)* *Planta Medica*, 76 (2010), p. 1249 (ISBN: 0032-0943)
7. V. Mihailović, N. Nićiforović, M. Mladenović, S. Solujić, M. Stanković, Antioxidant activity and phenolic content of different extracts of *Gentiana cruciata* L., *Book of Abstracts of the 59th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (Antalya, Turkey, 4.-9. September 2011)* *Planta Medica*, 77 (2011), p. 1424 (ISBN: 0032-0943)
8. V. Mihailović, D. Mišić, S. Solujić, M. Mladenović, M. S. Stanković, HPLC analysis of the secoiridoid glycosides and mangiferin content in methanol extract and its fractions of *Gentiana asclepiadea* L. roots, *Book of Abstracts of the International conference „Medicinal and aromatic plants in generating of new values in 21st century“ (Sarajevo, Bosnia and Herzegovina, 9.-12. November 2011)*, p. 63-64. (ISBN: 978-9958-501-68-50)
9. M. S. Stanković, M. Topuzović, S. Solujić, Z. Dajić-Stevanović, D. Pavlović, G. Đelić, V. Mihailović, Population variability in secondary metabolites content of *Teucrium chamedrys* L. from localities in Serbia and Bosnia and Herzegovina, *Book of Abstracts of the International conference „Medicinal and aromatic plants in generating of new values in 21st century“ (Sarajevo, Bosnia and Herzegovina, 9.-12. November 2011)*, p. 68. (ISBN: 978-9958-501-68-50)

10. 2.4.2.10. Mihailović V, Katanić J, Mihailović M, Šipovac K, Stanković V, Solujić S, Mladenović M, Stanković N, Matić S, Hepatoprotective activity of methanolic extract of root of *Gentiana asclepiadea* L. in carbon tetrachloride induced hepatic damage in rats, *Book of Abstracts of the 32th Balkan Medical Week*, 21-23. September 2012. Niš, Serbia
11. 2.4.2.11. Matić S, Stanić S, Solujić S, Stanković N, Mladenović M, Katanić J, Mihailović V, Antigenotoxic and antioxidant properties of the methanol extract obtained from the underground parts of *Gentiana cruciata*, *Book of Abstracts of the 32th Balkan Medical Week*, 21-23. September 2012. Niš, Serbia
12. 2.4.2.12. Matić S, Stanić S, Solujić S, Stanković N, Mladenović M, Mihailović V, Comparative analysis of the antigenotoxicity of five selector 4-hydroxy-2H-chromen-2-one derivatives: possible mechanism of action, *Book of Abstracts of the 32th Balkan Medical Week*, 21-23. September 2012. Niš, Serbia
13. 2.4.2.13. Šipovac K, Mihailović V, Solujić S, Vrvic M, Mladenović M, Antioxidant activity of two species of the *Scrophularia* genus, *Book of Abstracts of the 32th Balkan Medical Week*, 21-23. September 2012. Niš, Serbia
14. 2.4.2.14. Mihailović V, Katanić J, Mihailović M, Mišić D, Solujić S, Šipovac K, Stanković V, Mladenović M, Stanković N, Secoiridoid content and hepatoprotective activity of *Gentiana cruciata* L. root extract, *Book of Abstracts of the 1th International Conference on Plant Biology, 20th Symposium of the Serbian Plant Physiology Society (Subotica, Serbia, 4-7 June 2013)* p. 91-92. (ISBN: 978-86-912591-2-9)
15. 2.4.2.15. Katanić J, Mihailović V, Solujić S, Stanković M, Stanković N, Matić S, Mladenović M, Radical scavenger activity and chelating ability of *Filipendula hexapetala* Gilib. root extract, *Book of Abstracts of the 1th International Conference on Plant Biology, 20th Symposium of the Serbian Plant Physiology Society (Subotica, Serbia, 4-7 June 2013)* p. 93. (ISBN: 978-86-912591-2-9)
16. 2.4.2.16. Koraćević-Maslak M, Katanić J, Mihailović V, *In vitro* antioxidant activity of methanol extract of *Bergenia cordifolia* rhizome, *Book of Abstracts of the 1th International Conference on Plant Biology, 20th Symposium of the Serbian Plant Physiology Society (Subotica, Serbia, 4-7 June 2013)* p. 92-93. (ISBN: 978-86-912591-2-9)
17. 2.4.2.17. Matić S, Stanić S, Bogojević D, Solujić S, Mladenović M, Stanković N, Mihailović V, Katanić J, Mihailović M, Chemical composition, antioxidant and antigenotoxic activities of *Cotinus coggygria* stem extract, *Book of Abstracts of the 1th International Conference on Plant Biology, 20th Symposium of the Serbian Plant Physiology Society (Subotica, Serbia, 4-7 June 2013)* p. 90-91. (ISBN: 978-86-912591-2-9)
18. 2.4.2.18. Mihailović V, Mišić D, Katanić J, Mihailović M, Solujić S, Stanković V, Mladenović M, Stanković N, Phytochemical profiling by UHPLC-DAD/±HESI-MS/MS analyzes and hepatoprotective activity of *Gentiana cruciata* L. against CCl₄ induced liver injury in Wistar rats, *Book of Abstracts of the 8th International Conference of the Chemical Societies of the South-East European Countries – ICOSECS 8 (Belgrade, Serbia, 27-29 June 2013)* p. 220. (ISBN: 978-86-7132-053-5)

19. 2.4.2.19. Katanić J, Mihailović V, Solujić S, Stanković N, Mladenović M, Protective effect of *Filipendula hexapetala* Gilib. root extract on lipid oxidation in different model systems, *Book of Abstracts of the 8th International Conference of the Chemical Societies of the South-East European Countries – ICOSECS 8 (Belgrade, Serbia, 27-29 June 2013)* p. 234. (ISBN: 978-86-7132-053-5)
20. 2.4.2.20. Mladenović M, Matić S, Stanić S, Solujić S, Mihailović V, Stanković N, Katanić J, Molecular docking provides understanding of the *in vivo* antigenotoxic activity of naturally occurring compounds: myricetin, quercetin, rutin and rusmaric acid against ethyl metanesulfonate, *Book of Abstracts of the 8th International Conference of the Chemical Societies of the South-East European Countries – ICOSECS 8 (Belgrade, Serbia, 27-29 June 2013)* p. 114. (ISBN: 978-86-7132-053-5)
21. 2.4.2.21. Mladenović M, Stanković N, Mihailović V, Katanić J, Matić S, Stanić S, Solujić S, Toxicological and receptor-based 3 D QSAR studies of *in vivo* anticoagulant activity of novel-3-(1-aminoethylidene)chroman-2,4-diones and 4-hidroxy-3-(1-iminoethyl)-2H-chromen-2-ones, *Book of Abstracts of the 8th International Conference of the Chemical Societies of the South-East European Countries – ICOSECS 8 (Belgrade, Serbia, 27-29 June 2013)* p. 107. (ISBN: 978-86-7132-053-5)