

CURRICULUM VITAE

Lične informacije

Prezime / Ime dr Vuković Nenad, dip. hem.
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e-mail nvukovic@kg.ac.rs i nvchem@yahoo.com
Datum rođenja 30. 05. 1976.
Pol Muški
Nacionalnost Srbin
JMBG 3005976793911
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Radno iskustvo

Istraživački rad za Institut za hemiju, Prirodno-matematički fakultet u Kragujevcu.
Praktično iskustvo: rad na IC spektroskopu, rad na NMR spektroskopu, hromatografske tehnike za izolovanje i identifikaciju (TLC, reversno-fazna TLC, gasna hromatografija/masena spektrometrija (Agilent Technologies GC/MSD system 6890N/5975N-operator i instruktor), semipreparativni HPLC (Varian-operator).
Datum 01. 02. 2004. - 31. 01. 2008.
finansiran od strane Ministarstva prosvete i nauke.
Datum 01. 02. 2008. – asistent na Institutu za hemiju, PMF-a u Kragujevcu
predmeti: Instrumentalne strukturne metode, Osnovi organske i biohemijske spektroskopije, Osnovi organske i biohemijske spektroskopije 1 i 2, Metode analiza toksičnih supstanci, Izolovanje i identifikacija prirodnih proizvoda.

Obrazovanje i seminari

Datum 2011.
Stručno usavršavanje Postdoktorske studije: Biotehnološki fakultet u Nitri, Slovačka.
Datum 2010.
Stručna sprema Doktor hemijskih nauka, smer biohemija
Naziv odbranjene doktorske disertacije: "Hemijska sinteza i biohemijska aktivnost novih derivata 4-hidroksi kumarina".
Institut za hemiju, Prirodno-matematički fakultet, Univerzitet u Kragujevcu.
Datum 2006.
Stručna sprema Magistar hemijskih nauka, smer biohemija
Naziv odbranjene magistarske teze: "Biohemijska aktivnost novosintetisanih tiazolinskih derivata 4-hidroksikumarina".
Institut za hemiju, Prirodno-matematički fakultet, Univerzitet u Kragujevcu.
Datum 2001.
Stručna sprema Diplomirani hemičar za istraživanje i razvoj.
Institut za hemiju, Prirodno-matematički fakultet, Univerzitet u Kragujevcu.

Lične osobine

Maternji jezik Srpski
Drugi jezici Engleski (pisanje i čitanje)
Sociološke Timski rad
karakteristike
Poznavanje rada na računaru Competent with Windows XP operating system, Microsoft Office.

Dodatne informacije:

научно-истраживачки рад, publikovani naučni radovi, monografija, učešće na projektima Ministarstva prosvete i nauke.

Магистарска теза (M72)

Ненад Вуковић,

„Биохемијска активност новосинтетисаних тиазолинских деривата 4-хидрокси кумарина“,
Природно-математички факултет, Универзитет у Крагујевцу, Крагујевац 2006;

Докторска дисертација (M71)

мр Ненад Вуковић,

„Хемијска синтеза и биохемијска активност нових деривата 4-хидрокси кумарина“
Природно-математички факултет, Универзитет у Крагујевцу, Крагујевац 2010.

Радови у међународним часописима**Радови у међународним часописима пре избора у звање доцент**

1. Slobodan Sukdolak, Nenad Vuković, Slavica Solujić, Nedeljko Manojlović, Ljubomir Krstić, Synthesis of 3-(thiazol-4-yl)-4-hydroxycoumarins,
Journal of the Serbian Chemical Society,
69 (5) (2004) 319-326.
ISSN: 0352-5139
IF_{M23} 0,522 Chemistry, Multidisciplinary 85/124
2. Slobodan Sukdolak, Nenad Vuković, Slavica Solujić, Nedeljko Manojlović, Ljubomir Krstić, Hantzsch Reaction of 3-(2-bromoacetyl)-4-hydroxy-chromen-one,
Journal of Heterocyclic Chemistry
41 (2004) 593-596
ISSN: 0022-152X
IF_{M23} 0,814 Chemistry, Organic
3. Slobodan Sukdolak, Nenad Vuković, Slavica Solujić, Milorad Milošev, Nedeljko Manojlović, Ljubomir Krstić,
Synthesis of new 3-(2-aminothiazol-4-yl)-4-hydroxy-chromen-2-one derivatives,
Journal of the Serbian Chemical Society,
(2006), vol. 71 br. 6, str. 581-585.
ISSN: 0352-5139
IF_{M23} 0,423 Chemistry, Multidisciplinary 101/124
4. Ivana Manojlovic, Slobodan Sukdolak, Nenad Vukovic, Nedeljko Manojlovic,
Microwave-assisted rapid synthesis of physcion's derivatives under solvent free conditions,
Journal of the Chilean Chemical Society,
(2007), vol. 52 br. 1, str. 1099-1101.
ISSN: 0717-9324
IF_{M23} 0,496 Chemistry, Multidisciplinary 97/127
5. Nenad Vukovic, Tanja Milosevic, Slobodan Sukdolak, Slavica Solujic,
The chemical composition of essential oil and antibacterial activities of essential oil and methanol extract of *Teucrium montanum*,

Journal of the Serbian Chemical Society,
(2008), vol. 73 br. 3, str. 299-305.
ISSN: 0352-5139
IF_{M23} 0,611 Chemistry, Multidisciplinary 91/127

6. Slobodan Sukdolak, Slavica Solujić, Nenad Vuković, T. Milošević,
Synthesis and Antimicrobial Activity of Some New γ -Butyrolactone Derivatives,
Turkish Journal of Chemistry,
(2008), vol. 32 br. 5, str. 615-621.
ISSN: 1300-0527
IF_{M22} 0,727 Engineering, Chemical 63/116
7. Nenad Vukovic, Slobodan Sukdolak, Slavica Solujic, Tanja Milosevic,
Synthesis and Antimicrobial Evaluation of Some Novel 2-Aminothiazole Derivatives of 4-Hydroxy-
chromene-2-one,
Archiv der Pharmazie-Chemistry in Life Science,
(2008), vol. 341 br. 8, str. 491-496.
ISSN: 0365-6233
IF_{M22} 1,429 Chemistry, Multidisciplinary 56/127
8. Slavica Solujic, Slobodan Sukdolak, Nenad Vukovic, Neda Niciforovic, Snezana Stanic, Chemical
composition and biological activity of the acetone extract of *Ambrosia artemisiifolia* L pollen,
Journal of the Serbian Chemical Society,
(2008), vol. 73 br. 11, str. 1039-1049.
ISSN: 0352-5139
IF_{M23} 0,611 Chemistry, Multidisciplinary 91/127
9. Nenad Vukovic, Slobodan Sukdolak, Slavica Solujic, Neda Niciforovic,
Antimicrobial activity of the essential oil obtained from roots and chemical composition of the volatile
constituents from the roots, stems and leaves of *Ballota nigra* from Serbia,
Journal of Medicinal Food,
(2009), vol. 12 br. 2, str. 435-441.
ISSN: 1096-620X
IF_{M22} 1,390 Food Science & Technology 38/118
10. Milan Mladenovic, Nenad Vukovic, Neda Niciforović, Slobodan Sukdolak, Slavica Solujic,
Synthesis and molecular descriptor characterization of novel 4-hydroxy-chromene-2-one derivatives as
antimicrobial agents,
Molecules,
(2009), vol. 14 br. 4, str. 1495-1512.
ISSN: 1420-3049
IF_{M22} 1,738 Chemistry, Organic 30/57
11. Milan Mladenovic, Nenad Vukovic, Slobodan Sukdolak, Slavica Solujic,
Design of Novel 4-Hydroxy-chromene-2-one Derivatives as Antimicrobial Agents,
Molecules,
(2010), vol. 15 br. 6, str. 4294-4308.
ISSN: 1420-3049
IF_{M22} 1,988 Chemistry, Organic 27/56
12. Nenad Vukovic, Slobodan Sukdolak, Slavica Solujic, Neda Niciforovic,

Substituted imino and amino derivatives of 4-hydroxycoumarins as novel antioxidant, antibacterial and antifungal agents: Synthesis and *in vitro* assessments,
Food Chemistry,
(2010), vol. 120 br. 4, str. 1011-1018.
ISSN: 0308-8146
IF_{M21a} 3,458 Chemistry, Applied 4/70

13. Milan Mladenović, Mirjana Mihailović, Desanka Bogojević, Sanja Matić, Neda Nićiforović, Vladimir Mihailović, Nenad Vuković, Slobodan Sukdolak, Slavica Solujić,
In Vitro Antioxidant Activity of Selected 4-Hydroxy-chromene-2-one Derivatives—SAR, QSAR and DFT Studies,
International Journal of Molecular Sciences,
(2011), vol. 12, str. 2822-2841.
ISSN: 1422-0067
IF_{M21} 2,598 Chemistry, Multidisciplinary 45/154
14. Vladimir Mihailovic, Nenad Vukovic, Neda Niciforovic, Slavica Solujic, Milan Mladenovic, Pavle Maskovic, Milan Stankovic,
Studies on the antimicrobial activity and chemical composition of the essential oils and alcoholic extracts of *Gentiana asclepiadea* L.,
Journal of Medicinal Plants Research,
(2011) vol. 5 br. 7, str. 1164-1174.
ISSN: 1996-0875
IF_{M23} 0,879 (3a 2010) Chemistry, Medicinal 45/54
15. Nenad Vukovic, Slobodan Sukdolak, Slavica Solujic, Vladimir Mihailovic, Milan Mladenovic, Jelica Stojanovic, Milan Stankovic,
Chemical composition and antimicrobial activity of *Teucrium arduini* essential oil and cirsimarín from Montenegro,
Journal of Medicinal Plants Research,
(2011) vol. 5 br. 7, str. 1244-1250.
ISSN: 1996-0875
IF_{M23} 0,879 (3a 2010) Chemistry, Medicinal 45/54
16. Nenad Vukovic, Miroslava Kacaniova, Lukas Hleba, Slobodan Sukdolak,
Chemical Composition of the Essential Oils from the Flower, Leaf and Stem of *Lonicera japonica*,
Natural Product Communications,
(2012) vol. 7 br. 5, str. 641-644.
ISSN: 1934-578X
IF_{M22} 0,956 Chemistry, Medicinal 69/124
17. Miroslava Kacániová, Nenad Vukovic, Róbert Chlebo, Katarina Rovna, Peter Hascík, Juraj Cubon, Malgorzata Dżugan, Anna Pasternakiewicz,
The Antimicrobial Activity of Honey, Bee Pollen Loads and Beeswax from Slovakia,
Archives of Biological Sciences,
(2012) vol. 64, br. 3, str. 927-934
ISSN: 0354-4664
IF_{M23} 0,791 Biology 60/82
18. 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,](#)

(2012) vol. 54, str. 144-158

ISSN: 0223-5234

IF_{M21} 3,499 Chemistry, Medicinal 13/59

19. Nenad Vukovic, Miroslava Kacaniova, Lukas Hleba, Slobodan Sukdolak,
Chemical composition of the Essential oil of *Bougainvillea spectabilis* from Montenegro,
Journal of Essential Oil Bearing Plants,
(2013) vol. 16 br. 2, str. 212-215
ISSN: 0972-060X
IF_{M23} 0,172 Plant Sciences 194/199
20. Jovana B Žižić, Nenad L Vuković, Milka B Jadranin, Boban D Anđelković, Vele V Tešević, Miroslava M Kacaniova, Slobodan B Sukdolak and Snežana D Marković,
Chemical composition, cytotoxic and antioxidative activities of ethanolic extracts of propolis on HCT-116 cell line,
Journal of the Science of Food and Agriculture,
(2013) vol. 93, br. 12, str. 3001-3009
ISSN: 0022-5142
IF_{M21} 1,759 Agriculture, Multidisciplinary 7/56
21. Verica V. Jevtić, Milica Pešić, Gordana P. Radić, Nenad Vuković, Slobodan Sukdolak, Olivera Klisurić, Aba Podolski-Renić, Nikola Tanić, Srećko R. Trifunović,
Synthesis, Characterization and Cytotoxicity of a new Palladium(II) Complex with a Coumarin-Derived Ligand. Crystal structure of 4-Hydroxy-3-(1-(*p*-tolylimino)ethyl)-2*H*-chromen-2-one-palladium(II) Complex,
Journal of Molecular Structure,
(2013) vol. 1040, str. 216-220
ISSN: 0022-2860
IF_{M23} 1,599 Chemistry, Physical 88/136

После избора у звање доцент за ужу научну област биохемија

Радови у међународним часописима

1. [D. R. Ilić](#), [V. V. Jevtić](#), [G. P. Radić](#), [K. Arsikin](#), [B. Ristić](#), [L. H.-Trajković](#), [N. Vuković](#), [S. Sukdolak](#), [O. Klisurić](#), [V. Trajković](#), [S. R. Trifunović](#),
Synthesis, characterization and cytotoxicity of a new palladium(II) complex with a coumarine-derived ligand,
[European Journal of Medicinal Chemistry](#),
(2014), vol. 74 str. 502-508.
ISSN: 0223-5234
IF_{M21} 3.447 Chemistry, Medicinal 11/59
2. N. Stankovic, M. Mladenovic, M. Mihailovic, J. Arambašić, A. Uskokovic, V. Stankovic, V. Mihailovic, J. Katanic, S. Matic, S. Solujic, N. Vukovic, S. 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)-2*H*-chromen-2-ones combined with a structure-based 3-D pharmacophore model,

European Journal of Pharmaceutical Sciences, 55 (2014) 20–35

(2014), vol. 55 str. 20-35.

ISSN: 0928-0987

IF_{M21} 3.350 Pharmacology & Pharmacy 66/255

3. M. Kačániová, N. Vukovic, E. Horská, I. Salamon, A. Bobková, L. Hleba, M. Mellen, A. Vatlák, J. Petrová, M. Bobko,
[Antibacterial activity against *Clostridium* genus and antiradical activity of the essential oils from different origin,](#)
[Journal of Environmental Science and Health. Part B: Pesticides, Food Contaminants, and Agricultural Wastes,](#)
(2014) vol. 49, br. 7, str. 505-512.
ISSN: 0360-1234
IF_{M23} 1.202 Environmental Sciences 158/250; IF_{M22} 1.234 144/243 za 2013
4. N. Stankovic, M. Mladenovic, S. Matic, S. Stanic, V. Stankovic, M. Mihailovic, V. Mihailovic, J. Katanic, T. Boroja, N. Vukovic, S. Sukdolak,
Serum albumin binding analysis and toxicological screening of novel chroman-2,4-diones as oral anticoagulants,
Chemico Biological Interactions,
(2015) vol. 227, str. 18-31.
ISSN: 0009-2797
IF_{M22} 2.618 Pharmacology & Pharmacy 148/289
5. S. Felšociova, M. Kačániova, E. Horská, N. Vukovic, L. Hleba, J. Petrová, K. Rovná, M. Stričík, Z. Hajduová,
Antifungal activity of essential oils against selected terverticillate penicillia,
Annals of Agricultural and Environmental Medicine,
(2015) vol. 22, br. 1, str. 38-42
ISSN: 1232-1966
IF_{M23} 0,895 Environmental Sciences 184/225; IF_{M23} 1,126 154/223
6. O. Milošević-Đorđević, D. Grujičić, M. Radović, N. Vuković, J. Žižić, S. Marković,
In vitro chemoprotective and anticancer activities of propolis in human lymphocytes and breast cancer cells,
Archives of Biological Sciences,
(2015) vol. 67, br. 1, 571-581
ISSN: 0354-4664
IF_{M23} 0,367 Biology 79/86; IF_{M23} 0,718 68/85 za 2014
7. M. Mladenovic, N. Stankovic, S. Matic, S. Stanic, M. Mihailovic, V. Mihailovic, J. Katanic, T. Boroja, N. Vukovic,
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,
(2015) vol. 98, 243-266
ISSN: 0006-2952
IF_{M21a} 5.009 Pharmacology & Pharmacy 18/255
8. Nenad Vukovic, Milena Vukic, Gorica Djelic, Jana Hutkova, Miroslava Kacaniova,
Chemical Composition and Antibacterial Activity of Essential Oils of Various Plant Organs of Wild Growing *Nepeta cataria* from Serbia,
Journal of Essential Oil Bearing Plants,

(2016) vol. 19, br. 6., 1404-1412
ISSN: 0972-060X
IF_{M23} 0,493 Plant Sciences 183/211

9. Danijela Stojković, Alessia Bacchi, Davide Capucci, Milica R Milenković, Božidar Čobeljić, Srećko Trifunović, Katarina Anđelković, Verica V Jevtić, Nenad Vuković, Milena Vukić, Dušan Sladić, Synthesis and characterization of palladium(II) complexes with glycine coumarin derivatives, *Journal of the Serbian Chemical Society*, (2016) vol 81, br. 12, 1383–1392
ISSN: 0352-5139
IF_{M23} 0,822 Chemistry, Multidisciplinary 131/166; IF_{M23} 0.970 120/163 za 2015

10. Milena D Vukic, Nenad L Vukovic, Gorica T Djelic, Suzana Lj Popovic, Milan M Zaric, Dejan D Baskic, Gordana B Krstic, Vele V Tesevic, Miroslava M Kacaniová, Antibacterial and cytotoxic activities of naphthoquinone pigments from *Onosma visianii* Clem, *Excli Journal*, (2017) vol 16, 73-78
ISSN: 1611-2156
IF_{M22} 1.462 Biology 45/84

11. Edina H. Avdović, Danijela L.J. Stojković, Verica V. Jevtić, Milica Kosić, Biljana Ristić, Ljubica Harhaji-Trajković, Milena Vukić, Nenad Vuković, Zoran S. Marković, Ivan Potočňák, Srećko R. Trifunović, Synthesis, characterization and cytotoxicity of a new palladium(II) complex with a coumarin-derived ligand 3-(1-(3-hydroxypropylamino)ethylidene)chroman-2,4-dione. Crystal structure of the 3-(1-(3-hydroxypropylamino)ethylidene)-chroman-2,4-dione, *Inorganica Chimica Acta*, (2017) vol 466, 188-196
ISSN: 0020-1693
IF_{M22} 2.002 Chemistry, Inorganic and Nuclear 20/46

12. Edina H. Avdović, Dejan Milenković, Jasmina M. Dimitrić-Marković, Nenad Vuković, Srećko R. Trifunović, Zoran Marković, Structural, spectral and NBO analysis of 3-(1-(3-hydroxypropylamino)ethylidene)chroman-2,4-dione, *Journal of Molecular Structure*, (2017) vol 1147, 69-75
ISSN: 0020-1693
IF_{M23} 1.753 Chemistry, Physical 91/145

13. D.Lj. Stojković. V. Jevtić. N. Vuković, M. Vukić, I. Potočňák, I.R. Zelen, M.M. Zarić, M.M. Mišić, D. Baskić, G.N. Kaluđerović, S.R. Trifunović, Crystal and molecular structure of a new palladium(II) complex with a coumarin-valine derivate, *Journal of Structural Chemistry*, (2017) vol 58, br. 3, 550-557
ISSN: 0022-4766
IF_{M23} 0.472 Chemistry, Physical 141/145

14. M. Kačániová, M. Terentjeva, N. Vukovic, C. Puchalski, S. Roychoudhury, S. Kunová, A. Klůga, M. Tokár, M. Kluz, E. Ivanišová, The antioxidant and antimicrobial activity of essential oils against *Pseudomonas* spp. isolated from fish, *Saudi Pharmaceutical Journal*, (2017) vol X, br. X, XXX-XXX In Press, Accepted Manuscript <https://doi.org/10.1016/j.jsps.2017.07.001>
ISSN: 1319-0164

15. Milena D. Vukic, Nenad L. Vukovic, Ana D. Obradovic, Suzana Lj. Popovic, Milan M. Zaric, Predrag M. Djurdjevic, Snezana D. Markovic and Dejan D. Baskic,
Naphthoquinone rich *Onosma visianii* Clem (*Boraginaceae*) root extracts induce apoptosis and cell cycle arrest in HCT-116 and MDA-MB-231 cancer cell lines,

Natural Product Research,

(2017) vol X, br. X, XXX-XXX In Press, Accepted Manuscript

<http://dx.doi.org/10.1080/14786419.2017.1374271>

ISSN: 1478-6419

IF_{M22} 1.828 Chemistry, Applied 29/72

Монографија

Монографска библиографска публикација или монографска студија M43

др Сукдолак Слободан, др Солујић Славица, мр Вуковић Ненад,

“Хемија и биохемија кумарина”

ПМФ Крагујевац, 2007.

ISBN: 86-81829-76-9 (COBISS.SR-ID 144768268)

Учешће на домаћим пројектима

Примена метаболичке активности неких особених микроорганизама, као извора биолошки активних супстанци и трансформација природних и синтетичких супстрата;

Технолошки развој, број 0295Б, Носилац пројекта: ИХТМ, Центар за хемију, Београд. Период 2004. година.

Органски везани есенцијални олиго и микро елементи, пребиотици и пробиотици у здравој храни и инфант формулама;

Биотехнологија, број 6845, Носилац пројекта: ИХТМ, Центар за хемију, Београд.

Период 2005. година.

Развој нових електрохемијских и хемијских метода органске синтезе;

Основна истраживања, број 142042, Носилац пројекта: ПМФ Крагујевац, Институт за хемију.

Период 2006. и 2007. година.

Унапређење енергетске и еколошке ефикасности централног постројења за пречишћавање отпадних вода за град Крагујевац-Цветовевац;

Енергетска ефикасност, број 18027, Носилац пројекта: Машински факултет у Крагујевцу.

Период 2009 и 2010. година.

Преклиничка испитивања биоактивних супстанци;

ИИИ, број 41010, Носилац пројекта: ПМФ Крагујевац,

Период 2011. и 2017. година.