ОСНОВНИ ПОДАЦИ

Име и презиме	Зоран Марковић
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Образовно-научно / образовно-уметничко поље	Природно-математичке науке
Универзитет, факултет, организациона јединица	Универзитет у Крагујевцу, Институт за информационе технологије, Департман за природно-математичке науке
Област и ужа научна област	Хемија, Органска хемија

ОБРАЗОВАЊЕ

ОСНОВНЕ СТУДИЈЕ

Година	1981.
Место	Крагујевац
Институција	Природно-математички факултет, Универзитет у Крагујевцу

МАСТЕР СТУДИЈЕ ИЛИ МАГИСТАРСКЕ

Година	1989.
Место	Крагујевац
Институција	Природно-математички факултет, Универзитет у Крагујевцу

ДОКТОРСКА ДИСЕРТАЦИЈА

Година	1995.
Место	Крагујевац

Институција	Природно-математички факултет, Универзитет у Крагујевцу
Наслов докторске дисертације	Проучавање механизма фенилселеноетеригикације и конформациона анализа добивених фенилселеноетара
Научно звање	Научни саветник
Област	Хемија

СТРУЧНА БИОГРАФИЈА – ИЗБОРИ У ИСТРАЖИВАЧКА ОДНОСНО НАУЧНА ЗВАЊА

Датум избора	Институција	Звање
1997.	Хемијски факултет, Београд	Научни сарадник
2003.	IHTM Београд	Виши научни сарадник
2013.	Технолошки факултет Нови Сад	Научни саветник

СТРУЧНА БИОГРАФИЈА - УСАВРШАВАЊЕ

Година	Институција	Трајање
1999-2001	Универзитет Technikon Pretoria у Јужноафричкој републици	2 године

НАУЧНО-ИСТРАЖИВАЧКИ РАД[1]

Списак резултата М11 **Истакнута монографија међународног значаја**	**Број**
Списак резултата М12	**Број**

[1] Публикације и други истраживачки доприноси према важећој класификацији Министарства (Правилник о поступку, начину вредновања и квантитативном исказивању научноистраживачких резултата истраживача, www.mpn.gov.rs/wp-content/uploads/2017/03/Pravilnik-2017-preciscen-tekst.pdf) **за последње четири године;**

Монографија међународног значаја	
Списак резултата М13 **Монографска студија/поглавље у књизи М11 или рад у тематском зборнику водећег међународног значаја**	**Број** **1**
1. **Zoran S. Marković**, Dejan A.Milenković, Chapter 7 - Different theoretical approaches in the study of antioxidative mechanisms, *Computational Modeling in Bioengineering and Bioinformatics*, (2020), str. 211-256, DOI: 10.1016/B978-0-12-819583-3.00007-2.	
Списак резултата М14 **Монографска студија/поглавље у књизи М12 или рад у тематском зборнику међународног значаја**	**Број**
Списак резултата М21а **Рад у међународном часопису изузетних вредности**	**Број** **16**

1. Svetlana Marković, **Zoran Marković**, Robert I. McCrindle, *Journal of chemical information and computer sciences*, (2001), vol. 41, str. 112-119, DOI: 10.1021/ci000013w.
2. Svetlana Marković, **Zoran Marković**, Johan P. Engelbrecht, Robert I. McCrindle, Spectral Moments of Polycylic Aromatic Hydrocarbons. Solution of Kinetic Problem, *Journal of chemical information and computer sciences*, (2002), vol. 42, str. 82-86, DOI: 10.1021/ci0100604.
3. **Zoran Marković**, Svetlana Marković, Nebojša Begović, Influence of Alkali Metal Cations upon the Kolbe-Schmitt Reaction Mechanis, *Journal of chemical information and modeling*, (2006), vol. 46, str. 1957-1964, DOI: 10.1021/ci0600556.
4. **Zoran Marković**, Svetlana Marković, Nedeljko Manojlović, Jasmina Predojević-Simović, Mechanism of the Kolbe-Schmitt Reaction. Structure of the Intermediate Potassium Phenoxide - CO_2 Complex, *Journal of chemical information and modeling*, (2007), vol. 47, str. 1520-1525, DOI: 10.1021/ci700068b.

5. **Zoran Marković**, Svetlana Marković, Last Step of the Para Route of the Kolbe-Schmitt Reaction, *Journal of chemical information and modeling*, (2008), vol. 48, str. 143-147, DOI: 10.1021/ci700296a.
6. Jasmina Dimitrić-Marković, **Zoran Marković**, Tanja P. Brdarić, Vesna M. Pavelkić, Milka B. Jadranin, Iron complexes of dietary flavonoids: Combined spectroscopic and mechanistic study of their free radical scavenging activity, *Food Chemistry*, (2011), vol. 129, str. 1567-1577, DOI: 10.1016/j.foodchem.2011.06.008.
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10. Ana Amić, **Zoran Marković**, Jasmina M. Dimitrić Marković, Višnja Stepanić, Bono Lučić, Dragan Amić, Towards an improved prediction of the free radical scavenging potency of flavonoids: The significance of double PCET mechanisms, *Food Chemistry*, (2013), vol. 152, str. 578-585, DOI: 10.1016/j.foodchem.2013.12.025.
11. N. Filipović, M. Živić, M. Obradović, T. Đukić, **Zoran Marković**, M. Rosić, Numerical and experimental LDL transport through arterial wall, *Microfluidics and Nanofluidics*, (2014), vol. 16, str. 455-464, DOI: 10.1007/s10404-013-1238-1.
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prediction of the possible antiradical mechanisms, *Food Chemistry*, (2017), vol. 218, str. 440-446. DOI: 10.1016/j.foodchem.2016.09.106.

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Списак резултата М21 **Рад у врхунском међународном часопису**	**Број** **25**

1. Rastko Vukićević, Ljubinka Joksović, Stanimir Konstantinović, **Zoran Marković**, Mihailo Lj. Mihailović, Use of a Sacrificial Aluminium Anode in Acylation of Some Olephines, *Bulletin of the Chemical Society of Japan*, (1988), vol. 71, str. 899-904, DOI: 10.1246/bcsj.71.899.
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10. Jasmina M. Dimitrić Marković, **Zoran S. Markvić**, Igor A. Pašti, Tanja P. Brdarić, Ana Popović Bijelić , Miloš Mojović, A joint application of spectroscopic, electrochemical and theoretical approaches in evaluation of the antiradical activity of 3-OH flavones and their iron complexes towards different radical species, *Dalton*

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17. Biljana Šmit, **Zoran Marković**, Dejan Milenković, Radoslav Z. Pavlović, Mechanism, kinetics and selectivity of selenocyclization of 5-alkenyl hydantoins: experimental and computational study, *Beilstein Journal of Organic Chemistry*, (2015), Vol. 11, str. 1865–1875. DOI: 10.3762/bjoc.11.200.
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19. Dušan Dimić, Dejan Milenković, **Zoran Marković**, Jasmina Dimitrić Marković, The Antiradical Activity of Catecholamines and Metabolites of Dopamine: Theoretical and Experimental Study, *Physical Chemistry Chemical Physics*, (2017), Vol. 19, str. 12970-12980. DOI: 10.1039/C7CP01716B.
20. Edina H. Avdović, Dejan Milenković, Jasmina M. Dimitrić Marković, Jelena Đorović, Nenad Vuković, Milena D. Vukić, Verica V. Jevtić, Srećko R. Trifunović, Ivan Potočňák, **Zoran Marković,** Synthesis, spectroscopic characterization (FT-IR, FT-Raman, and NMR), quantum chemical studies and molecular docking of 3-(1-(phenylamino) ethylidene)-chroman-2,4-dione, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*,(2018), vol. 195, str. 31-40, DOI: 10.1016/j.saa.2018.01.023.
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23. Edina H. Avdović, Dušan S. Dimić, Jasmina M. Dimitrić Marković, Nenad Vuković, Milanka Đ. Radulović, Marko N. Živanović, Nenad D. Filipović, Jelena R. Đorović, Srećko R. Trifunović, Ivan Potočňák, **Zoran Marković**, Spectroscopic and theoretical investigation of the potential anti-tumor and anti-microbial agent, 3-(1-((2-hydroxyphenyl)amino)ethylidene)chroman-2,4-dione,*Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*,(2018), vol. 195, str. 31-40, DOI: 10.1016/j.saa.2018.01.023.
24. Dušan S. Dimić, **Zoran S. Marković**, Luciano Saso, Edina H. Avdović, Jelena R. Đorović, Isidora P. Petrović, Danijela D. Stanisavljević, Milena J. Stevanović, Ivan Potočňák, Erika Samoľová,

and Srećko R. Trifunović, Synthesis and Characterization of 3-(1-((3, 4-Dihydroxyphenethyl) amino) ethylidene)-chroman-2, 4-dione as a Potential Antitumor Agent, *Oxidative Medicine and Cellular Longevity*, (2019), vol. 2019, str. 9, DOI: 10.1155/2019/2069250.

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Списак резултата М22 **Рад у истакнутом међународном часопису**	**Број** **47**

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5. **Zoran Marković**, Stanimir Konstantinović, Ivan Juranić, Ljiljana Mićović-Došen, Molecular Orbital Study of the Rearrangement of Seleniranium Ions, *Gazzetta chimica italiana*, (1997), vol. 127, str. 429-434, DOI: /
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Списак резултата М43 **Монографска библиографска публикација или монографска студија**	**Број**

Списак резултата М44 **Поглавље у књизи М41 или рад у истакнутом тематском зборнику водећег националног значаја**	**Број**

Списак резултета М45 **Поглавље у књизи М42 или рад у тематском зборнику националног значаја**	**Број**

Списак резултата М51 **Рад у врхунском часопису националног значаја**	**Број** **3**

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Списак резултата М60 **Предавања по позиву на скуповима националног значаја- обавезно навести категорију**	**Број** **55**

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