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Obrazovanje: 1990. Diplomirani hemičar, Hemijski fakultet, Univerzitet u Beogradu.

2000. Magistar hemijskih nauka, Hemijski fakultet, Univerzitet u Beogradu

2009. Doktor hemijskih nauka, Hemijski fakultet, Univerzitet u Beogradu

Zvanja: 1990. Istraživač pripravnik, IHTM

2000. Istraživač saradnik, IHTM

2010. Viši naučni saradnik, IHTM

Članstva u društvima: Srpsko hemijsko društvo

Društvo fizikohemičara Srbije

Srpsko društvo istraživača raka

Profesionalno iskustvo: 1990 – IHTM – Centar za hemiju

2003–2004. Farmaceutski fakultet, Univerzitet u Beogradu

2013. Postdoktorske studije (Institut za hemiju, Karl-Franzens Univerzitet u Gracu, Grac, Austrija)

Nagrade i priznanja: 1990. Galenikina nagrada za najbolje urađen diplomski rad za 1990. godinu

1990. Diploma SHD-a za postignut izuzetan uspeh tokom studija hemije

Oblasti interesovanja: Organska hemija, računarska hemija

Stručne veštine: Korišćenje i prilagođavanje programskih paketa za MO izračunavanja (Gaussian, Mopac)

Znanje jezika: Engleski i nemački jezik

Najznačajniji projekti: Međunarodni:

2010 – 2013 FP7 - Deployment of e-Infrastructures for scientific communities/ HP-SEE / High-Performance Computing Infrastructure for South East Europe's Research Communities

Osnovna istraživanja:

2011 – 2015 Racionalni dizajn i sinteza biološki aktivnih i koordinacionih jedinjenja i funkcionalnih materijala, relevantnih u (bio)nanotehnologiji / ON 172035

Izabrane publikacije: Radovi publikovani u naučnim časopisima:

1. Ivan V. Mićović, Milovan D. Ivanović, Goran M. Roglić, **Vesna D. Kiricojević**, Jelena B. Popović, "An Examination of the Reductive Alkylation of Amines with Carbonyl Compounds Utilizing Various Dissolving Metals", *J. Serb. Chem. Soc.*, 1994, 59 (12), 949-957.
2. Ivan V. Mićović, Milovan D. Ivanović, Goran M. Roglić, **Vesna D. Kiricojević**, Jelena B. Popović, "Preparation of Secondary Amines by Reductive Amination with Metallic Magnesium" *J. Chem. Soc., Perkin Transactions I*, 1996, 265-269.
3. Ivan V. Mićović, Goran M. Roglić, Milovan D. Ivanović, Ljiljana Došen-Mićović, **Vesna D. Kiricojević**, Jelena B. Popović, "The Synthesis of Lactam Analogues of Fentanyl", *J. Chem. Soc., Perkin Transactions I*, 1996, 2041-2050.
4. Ivan V. Mićović, Milovan D. Ivanović, Veselinka M. Lečić, Goran M. Roglić, **Vesna D. Kiricojević**, Jelena B. Popović, "The Preparation of N-Alkyl Acyclic Imides" *J. Serb. Chem. Soc.*, 1996, 61 (2), 69-76.
5. Ivan V. Mićović, Goran M. Roglić, Milovan D. Ivanović, Ljiljana Došen-Mićović, **Vesna D. Kiricojević**, Jelena B. Popović, "The Synthesis of 3,3-Dimethyl Fentanyl and Its Lactame Analogue", *J. Serb. Chem. Soc.*, 1996, 61 (10), 849-856.
6. Ivan V. Mićović, Milovan D. Ivanović, Sonja Vučković, D. Jovanović-Micić, Dušan Beleslin, Ljiljana Došen-Mićović, **Vesna Kiricojević**, "3-Carbomethoxy Fentanyl: Synthesis, Pharmacology and Conformational Analysis", *Heterocyclic Communications*, 1998, 4 (2), 171-179.
7. I.V. Mićović, M. D. Ivanović, S. Vučković, D. Jovanović-Micić, D. Beleslin, Lj. Došen-Mićović, **V. D. Kiricojević**, "The Synthesis, Pharmacological Evaluation and Conformational Analysis of (\pm) cis and (\pm) trans -3-carbamethoxy fentanyl- "iso-carfentanil", *J. Serb. Chem. Soc.*, 1998, 63 (2), 93-112.
8. I.V. Mićović, M. D. Ivanović, S. Vučković, M. Š. Prostran, Lj. Došen-Mićović, **V. D. Kiricojević**, "The Synthesis and Preliminary Pharmacological Evaluation of 4-Methyl Fentanyl" *Bioorganic & Medicinal Chemistry Letters*, 2000, 10, 2011-2014.
9. **V. D. Kiricojević**, M. D. Ivanović, I. V. Mićović, J. B. Djordjević, G. M. Roglić, Lj. Došen- Mićović, "An optimized synthesis of a key pharmaceutical intermediate methyl 4-[(1-oxopropyl)phenylamino]piperidine-4-carboxylate", *J. Serb. Chem. Soc.*, 2002, 67 (12), 793-802.
10. M. D. Ivanović, I. V. Mićović, S. Vučković, M. Prostran, Z. Todorović, **V. D. Kiricojević**, J. B. Djordjević, Lj. Došen- Mićović, "The synthesis and preliminary pharmacological evaluation of the racemic cis and trans 3-alkylfentanyl analogues", *J. Serb. Chem. Soc.*, 2004, 69 (7), 511-526.
11. M. D. Ivanović; I. V. Mićović; S. Vučković; M. Prostran; Z. Todorović; E. R. Ivanović; **V. D. Kiricojević**; J. B. Djordjević; Lj. Došen-Mićović, "The synthesis and pharmacological evaluation of (\pm)-2,3-seco-fentanyl analogues", *J. Serb. Chem. Soc.*, 2004, 69 (11), 955-968.
12. Jelena B. Popović-Đorđević, Milovan D. Ivanović, **Vesna D. Kiricojević**, "A novel tandem process leading to functionalized glutarimides", *Tetrahedron Letters*, 2005, 46 (15), 2611-2614.
13. Željko J. Vitnik, **Vesna D. Kiricojević**, Milovan D. Ivanović, Ivan O. Juranić, "Molecular-orbital Investigation of Various Reaction Pathways in Reaction of Ketones with Bromoform", *International Journal of Quantum Chemistry*, 2006, 106 (6), 1323-1329.
14. **V. D. Vitnik**, M. D. Ivanović, Ž. J. Vitnik, J. B. Đorđević, Ž. S. Žižak, Z. D. Juranić, I. O. Juranić, "One-step conversion of ketones to conjugated acids using bromoform", *Synthetic Communications*, 2009, 39 (8), 1457-1471.
15. **Vitnik, Vesna D.**, Milenkovic, Marina T., Dilber, Sanda P., Vitnik, Zeljko J., Juranic, Ivan O. "Improved synthesis and in vitro study of antimicrobial activity of alpha,beta-unsaturated and alpha-bromo carboxylic acids", *J. Serb.*

- Chem. Soc., 2012, 77 (6), 741-750.
- 16. **Vesna D. Vitnik**, Željko J. Vitnik, Ivan O. Juranić, "Carbenic vs. ionic mechanistic pathway in reaction of cyclohexanone with bromoform", Journal of Molecular Modeling, 2012, 18 (10), 4721-4728.
 - 17. Adel Alimmari, Dušan Mijin, Radovan Vukićević, Bojan Božić, Nataša Valentić, **Vesna Vitnik**, Željko Vitnik, Gordana Uščumlić, "Synthesis, structure and solvatochromic properties of some novel 5-arylazo-6-hydroxy-4-phenyl-3-cyano-2-pyridone dyes", Chemistry Central Journal, 2012, 6, 71
 - 18. Banjac N., Trisovic N., Vitnik Ž. J., **Vitnik V. D.**, Valentici N., Uscumlic G., Juranic I., "Solvatochromic and quantum chemical investigations of newly synthesized succinimides: substituent effect on intramolecular charge transfer", Monatshefte fur Chemie, 2013, 144, 1525-1535.
 - 19. **Vitnik V. D.**, Vitnik Ž. J., Banjac N. R., Valentici N. V.; Uscumlic G. S., Juranic I. O., "Quantum mechanical and spectroscopic (FT-IR, ^{13}C , ^1H NMR and UV) investigations of potent antiepileptic drug 1-(4-chlorophenyl)-3-phenylsuccinimide", Spectrochimica Acta, Part A: Molecular and Biomolecular Spectroscopy, 2014, 117, 42-53.
 - 20. Hmuda S., Trisovic N., Rogan J., Poleti D., Vitnik Ž., **Vitnik V.**, Valentici N., Božić B., Uščumlić G., "New derivatives of hydantoin as potential antiproliferative agents: biological and structural characterization in combination with quantum chemical calculations", Monatshefte fur Chemie, 2014, 145, 821-833.
 - 21. Mirković J., Rogan J., Poleti D., **Vitnik V.**, Vitnik Ž., Uščumlić G., Mijin D., "On the structures of 5-(4-, 3- and 2-methoxyphenylazo)-3-cyano-1-ethyl-6-hydroxy-4-methyl-2-pyridone: An experimental and theoretical study", Dyes and Pigments, 2014, 104, 160-168.
 - 22. Veselinovic J. B., Veselinovic A. M., Vitnik Ž. J., **Vitnik V. D.**, Nikolic G. M., "Antioxidant properties of selected 4-phenyl hydroxycoumarins: Integrated in vitro and computational studies", Chemico-Biological Interactions, 2014, 214, 49-56.
 - 23. Arsovski V. M.; Božić B. Dj., Mirkovic J. M., **Vitnik V. D.**, Vitnik Ž. J., Fabian W. M. F., Petrovic S. D., Mijin D. Z., "Spectroscopic and quantum mechanical investigation of N,N' -bisarylmalonamides: solvent and structural effects", Journal of Molecular Modeling, 2014, 20, 1-16.
 - 24. Trišović N. P., Božić B. Dj., Lović J. D., **Vitnik V. D.**, Vitnik Ž. J., Petrović S. D., Avramov-Ivić M. L. "Electrochemical characterization of phentytoin and its derivatives on bare gold electrode", Electrochimica Acta, 2015, 161, 378-387.
 - 25. **Vitnik V. D.**, Vitnik Ž. J., "The spectroscopic (FT-IR, FT-Raman, ^{13}C , ^1H NMR and UV) and NBO analyses of 4-bromo-1-(ethoxycarbonyl)piperidine-4-carboxylic acid", Spectrochimica Acta, Part A: Molecular and Biomolecular Spectroscopy, 2015, 138, 1-12.
 - 26. Popović-Đorđević J. B.; **Vitnik V. D.**, Vitnik Ž. J., Ivanović M. D.; "Glutarimidi: biološka aktivnost, opšti postupci za sintezu i fizičko-hemijske karakteristike", Hemijska industrija, 2015, 69(5), 523-536.
 - 27. Arsovski Violeta M., Božić Bojan Dj., Mirkovic Jelena M., **Vitnik Vesna D.**, Vitnik Željko J., Petrović Slobodan D., Uscumlic Gordana S., Mijin Dusan Z., "Computational and spectroscopic data correlation study of N,N' -bisarylmalonamides (Part II)", Journal of Molecular Modeling, 2015, 21(9), 239.

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