

DRAGAN ZLATKOVIĆ

PERSONAL INFORMATION

Born in Skopje, Macedonia, 26 August 1984

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Address Višegradska 33, 18000 Niš, Serbia

AREAS OF INTEREST

Phytochemistry • Ethnopharmacology • Organic synthesis • Organic reaction mechanisms • NMR spectroscopy • Gas chromatography-mass spectrometry

WORK EXPERIENCE:

Faculty of Science and Mathematics, Niš

Associate (2011-2012), research trainee (2012–2014) and research assistant (2014–) in the framework of the research project “Combinatorial libraries of heterogeneous catalysts, natural products, modified natural products and their analogues: the way to new biologically active agents”: 172061 approved and funded by the Ministry of Education, Science and Technological Development of Republic of Serbia

Teaching assistant, Organic chemistry II class (2013–)

EDUCATION

MSc in Chemistry

(2011) Department of chemistry, Faculty of Science and Mathematics, Niš, average note 9.36. Recipient of “*Ana Bjeletić i Ivan Marković*” award for the best graduated student at the Department of Chemistry in 2011.

PhD in Chemistry

(2011-) Department of chemistry, Faculty of Science and Mathematics, Niš, average note 10.0. PhD thesis defense is expected at october 2017. Thesis title: New biologically active synthetic aza-heterocyclic compounds and new secondary metabolites from the families Apiaceae, Geraniaceae and Resedaceae

OTHER

Membership in the Serbian Chemical Society and Serbian Young Chemists' Club

Took part in the “Noć istraživaca 2014” - SCIMFONICOM project (Science in Motion for Friday Night Commotion 2014) funded by the HORIZONT 2020 program.

Speaks English (C2), French (B1) and German (B1) language.

PUBLICATIONS

N.S. Radulović, S.I. Filipović, **D.B. Zlatković**, M. Đorđević, N.M. Stojanović, P.J. Randjelović, K.V. Mitić, T.M. Jevtović-Stoimenov, V.M. Randelović, Immunomodulatory pinguisane-type sesquiterpenes from the liverwort *Porella cordaeana* (Porellaceae): the “new old” furanopinguisanol and its oxidation product exert mutually different effects on rat splenocytes. *RSC Advances* **2016**, *6*, 41847-41860.

D.B. Zlatković, N.S. Radulović, Reduction of Biginelli compounds by LiAlH₄: a rapid access to molecular diversity. *RSC Advances* **2016**, *6*, 115058-115067.

N.S. Radulović, **D.B. Zlatković**, P.J. Randelović, N.M. Stojanović, S.B. Novaković, H. Akhlaghi, Chemistry of spices: bornyl 4-methoxybenzoate from *Ferula ovina* (Boiss.) Boiss. (Apiaceae) induces hyperalgesia in mice. *Food & Function* **2013**, *4*, 1751–1758. doi: 10.1039/c3fo60319a.

N.S. Radulović, **D.B. Zlatković**, T. Ilić-Tomić, L. Senerović, J. Nikodinovic-Runic, Cytotoxic effect of *Reseda lutea* L.: A case of forgotten remedy. *Journal of Ethnopharmacology* **2014**, *153*, 125–132. doi: 10.1016/j.jep.2014.01.034.

N.S. Radulović, **D.B. Zlatković**, *n*-Octyl esters of long-chain fatty acids are not anthropogenic pollution markers, *Environmental Chemistry Letters* **2014**, *12*, 303–312. doi: 10.1007/s10311-013-0443-1.

N. Radulović, **D. Zlatković**, M. Dekić, Z. Stojanović-Radić, Further Antibacterial *Geranium macrorrhizum* L. Metabolites and Synthesis of Epoxygermacrones, *Chemistry & Biodiversity* **2014**, *11*, 542–550. doi: 10.1002/cbdv.201300295.

N. Radulović, **D. Zlatković**, K. Mitić, P. Randelović, N. Stojanović, Synthesis, spectral characterization, cytotoxicity and enzyme-inhibiting activity of new ferrocene-indole hybrids, *Polyhedron* **2014**, *80*, 134–141, doi: 10.1016/j.poly.2014.03.006.

N. Radulović, **D. Zlatković**, B. Zlatković, D. Đoković, G. Stojanović, R. Palić, *Chemistry of Natural Compounds*, 2008, **44**, 390–392. doi: 10.1007/s10600-008-9074-3.

D.B. Zlatković, N.S. Radulović, Study of lithium aluminium hydride reduction of 5-acetyl-1,6-dimethyl-4-phenyl-3,4-dihydropyridin-2(1H)-one. *Facta Universitatis, Series Physics, Chemistry and Technology* **2017**, accepted for publication.

CONFERENCES AND SYMPOSIUMS

N.S. Radulović, **D.B. Zlatković**, P.J. Randelović, N.M. Stojanović, H. Akhlaghi, Chemical Composition and Antinociceptive Properties of *Ferula ovina* (Umbelliferae), 43rd International Symposium on Essential Oils ISEO, Lisbon (Portugal), Book of Abstracts, **2012**, P 33.

M. Dekić, N.S. Radulović, **D.B. Zlatković**, Z. Stojanović-Radić, Further antibacterial *Geranium macrorrhizum* L. essential-oil constituents and the synthesis of epoxygermacrones (Apiaceae). In: Program, Book of Abstracts and Participants List of the 45rd International Symposium on Essential Oils. Istanbul (Turkey), September 7–10, 2014, pp. 122.

Filipović, S. I.; Radulović, N. S.; **Zlatković, D. B.**; Đorđević, M. R.; Randelović V. N. The “new old” α -furanopinguisanol and its oxidation product from the essential oil of the liverwort *Porella cordaeana* (Hub.) Moore (Porellaceae). In: Programme, Book of Abstracts and Participants List of the 47rd International Symposium on Essential Oils. Nice (France), September 11–14, 2016, pp. 77.

Stojanović, Nikola M., Radulović, Niko S., Filipović, Sonja I., **Zlatković, Dragan B.**, Đorđević, Miljana B., Randjelović, Pavle J., Mitić, Katarina V., Jevtović-Stoimenov Tatjana M., Randelović, Vladimir M. Immunomodulatory activity of pinguisane-type sesquiterpenes from the essential oil of the liverwort *Porella cordaeana* (Hub.) Moore (Porellaceae). In: Programme, Book of Abstracts and Participants List of the 47th International Symposium on Essential Oils. Nice (France), September 11–14, 2016, pp. 139.

Milica M. Todorovska, Niko S. Radulović, **Dragan B. Zlatković**, Nikola M. Stojanović, Pavle J. Randelović, Mirjana Ilić, Effects of two volatile 2-oxazolidinethione derivatives from *Draba lasiocarpa* Rochel (Brassicaceae) and *Reseda lutea* L. (Resedaceae) on macrophage viability and nitric oxide production. In: Programme, Book of Abstracts and Participants List of the 47th International Symposium on Essential Oils. Nice (France), September 11–14, 2016, pp. 145.

Radulović, Niko S., Filipović, Sonja I., **Zlatković, Dragan B.**, Đorđević, Miljana B., Stojanović, Nikola M., Randjelović, Pavle J., Mitić, Katarina V., Jevtović-Stoimenov Tatjana M., Randelović, Vladimir M. Structural revision of α -furanopinguisanol. In: 18th Central and Eastern European NMR Symposium & Bruker Users' Meeting, Programme and Book of Abstracts, 18 – 20 September 2016, Sofia (Bulgaria), pp. 49.