

Miljana Đorđević

Personal information

	Born in Niš, Serbia, 04 August 1987
Address	Višegradska 33, 18000 Niš
Phone	+381691825302
E-mail	miljana.djordjevic@pmf.edu.rs, miljanadjordjevic11@gmail.com
ORCID:	https://orcid.org/0000-0002-6142-622X
Scopus	57210422934

Education

2011- *MSc in Chemistry*, Department of chemistry, Faculty of Sciences and Mathematics, University of Niš, Serbia, average note 9.32

2020- *PhD in Chemistry – Organic chemistry and biochemistry*, Department of chemistry, Faculty of Sciences and Mathematics, University of Niš, Serbia. Thesis title: “Synthesis, identification and spectral characterization of selected derivatives of natural products containing iodine”, mentor: prof. dr. Niko Radulović Faculty of Sciences and Mathematics, University of Niš, Serbia

Work experience

Research:

2012-2014 – Junior Researcher, Faculty of Sciences and Mathematics, University of Niš, Serbia

2014-2020 – Research Assistant, Faculty of Sciences and Mathematics, University of Niš, Serbia

2021 – Assistant Research Professor, Faculty of Sciences and Mathematics, University of Niš, Serbia

Teaching assistant

2014-2015 – Organic chemistry II class

2016-2019 – Organic polymer chemistry

Areas of interest

Phytochemistry (isolation, spectral characterization and biological activity of (volatile) secondary metabolites, essential oil constituents), gass chromatography – mass spectrometry, organic synthesis, NMR spectroscopy

Projects:

- National research projects: “Combinatorial libraries of heterogeneous catalysts, natural products, modified natural products and their analogues: way to biologically active agents”: 172061 approved and funded by the Ministry of Education, Science and Technological Development of Republic of Serbia
- UNESCO project: “Innovative approaches for sustainable utilization of biomass wastes towards biorenewable building blocks for organic synthesis research driven strengthening the cooperation of Balkan countries”

Prizes

2010 - The best graduate student of the Department of Chemistry, Faculty of Sciences and Mathematics in 2010

2012 - IUPAC Poster Prize Certificate at the 50th Meeting of the Serbian Chemical Society

2012 - EYCN poster award for the best poster at the First Conference of Young Chemists of Serbia

2012, 2014 - Young Scientist Fellowship awards (IFEAT - International Federation of Essential Oils and Aroma Trade)

Memberships:

- Serbian Young Chemists' Club
- Serbian Society for Phytochemistry and Phytomedicine

Others

Took part in the “European Researchers' Night 2014” - Scimfonicom project (Science in Motion for Friday Night Commotion 2014) funded by the Horizont 2020 program.

Speaks English (B2) and French (B1) language.

Publication

1. Đorđević, M.R., Zlatković, D.B., Radulović, N.S. (2021) *Scilla bifolia* Wax as a Source of Diverse Long-Chain Resorcinols and Alkane-1,3-diols, *Chemistry & Biodiversity*, 18, e2000811
2. Genčić, M.S., Aksić, J.M., Živković Stošić, M.Z., Đorđević, M.R., Mladenović, M.Z., Radulović, N.S (2020) New neryl esters from *Helichrysum italicum* (Roth) G. Don (Asteraceae) essential oil, *Natural Product Research*.
3. Đorđević, M.R., Radulović, N.S., Stojanović, N.M., Ranđelović, P.J. (2019) Immunomodulatory activity of marine natural products: Synthesis, spectral characterization and toxicity assessment of natural and related synthetic iodinated tyramides, *Food and Chemical Toxicology*, 125, 150-160.
4. Radulović, N.S., Đorđević, M.R., Blagojević, P.D. (2016) Structural revision of aristol: a fresh look at the oxidative coupling of thymol under iodination conditions, *RSC Advances*, 6(73), 69067-69082.
5. Radulović, N.S., Filipović, S.I., Zlatković, D.B., Đorđević, M.R., Stojanović, N.M., Ranđelović, P.J., Mitić, K.V., Jevtović-Stoimenov, T.M., Ranđelović, V.N. (2016) Immunomodulatory pinguisane-type sesquiterpenes from the liverwort *Porella cordeana* (Porellaceae): the "new old" furanopinguisanol and its oxidation product exert mutually different effects on rat splenocytes, *RSC Advances*, 6(48), 41847-41860.
6. Radulović, N.S., Đorđević, M.R., Dekić, M.S., Blagojević, P.D. (2016) Chemical composition of the essential oil and diethyl ether extract of *Trinia glauca* (L.) Dumort. (Apiaceae) and the chemotaxonomic significance of 5-O-methylvisamminol; *Chemistry & Biodiversity*, 13(4), 403-415.
7. Radulović, N.S., Đorđević, M.R. (2014) Chemical Composition of the Tuber Essential Oil from *Helianthus tuberosus* L. (Asteraceae); *Chemistry & Biodiversity*, 11(3), 427-437.
8. Đorđević, M.R., Radulović, N.S. (2019) Ascidian halogen-containing secondary metabolites from the family Didemnidae; *Facta Universitatis, Series: Physics, Chemistry and Technology*, 17(2), 97-130.
9. Cvetković, V.J., Mitrović, T.Lj., Jovanović, B., Stamenković, S.S., Todorović, M., Đorđević, M., Radulović, N. (2015) Toxicity of dimethyl sulfoxide against *Drosophila melanogaster*; *Biologica Nyssana*, 6(2), 91-95.

Conferences and Symposiums

1. Đorđević, M.R., Zlatković, D.B., Radulović, N.S. Essential-oil composition of *Cnidium silaifolium* (Jacq.) Simonk. from Serbia. In: *Book of Abstracts of 50th International Symposium on Essential oils (ISEO 2019)*, Vienna (Austria), September 09 – 12, 2019, p. 138.

2. Đorđević, M.R., Radulović, N. S. Lily of the valley flower volatiles: the chemical composition of the flower diethyl ether extract. In: *Facta Universitatis: Series Physics, chemistry and technology, 49th International Symposium on Essential oils (ISEO2018) Book of Abstracts*, Volume 16, Issue 1, Niš (Serbia), September 13 – 16, 2018, pp 158.
3. Stevanović, M., Nešić, M., Đorđević, M., Radulović, N. The content of α - and β - thujones in essential oils: the qNMR approach. In: *Facta Universitatis: Series Physics, chemistry and technology, 49th International Symposium on Essential oils (ISEO2018) Book of Abstracts*, Volume 16, Issue 1, Niš (Serbia), September 13 – 16, 2018, pp 153.
4. Genčić, M.S., Aksić, J.M., Živković, M.Z., Đorđević, M.R., Mladenović, M.Z., Radulović, N.S. New neryl esters from *Helichrysum italicum* essential oil. In: *Facta Universitatis: Series Physics, chemistry and technology, 49th International Symposium on Essential oils (ISEO2018) Book of Abstracts*, Volume 16, Issue 1. Niš (Serbia), September 13 – 16, 2018, pp. 72.
5. Đorđević, M.R., Radulović, N.S. Synthesis and spectral characterization of natural and related synthetic iodinated tyramides. In: *Kratki izvodi radova Šeste konferencije mladih hemičara Srbije*, Belgrade (Serbia), October 27, 2018, pp. 52.
6. Đorđević, M.R., Radulović, N.S., Blagojević, P.D., Pešić, M.S., Akhlaghi, H. The essential oil of *Zosima absinthifolia* Link (Apiaceae) from Iran: a rich source of lavandulyl esters. In: *Natural Volatiles and Essential Oils, Volume 2, Issue 3*, Pécs (Hungary), September 10 – 13, 2017, pp.110.
7. Đorđević, M.R., Radulović, N.S. Chemical composition of the root essential oil from *Conium maculatum* L. (Apiaceae). In: *Natural Volatiles and Essential Oils, Volume 2, Issue 3*, Pécs (Hungary), September 10 – 13, 2017, pp.111.
8. Đorđević, M. R.; Radulović, N. S.; Blagojević, P. D. NMR-based structural elucidation of aristol constituents. In: *Book of Abstracts of the 19th Central and Eastern European NMR Symposium & Bruker Users' Meeting*, Timișoara, (Romania), September 5 – 8, 2017, pp. 47.
9. Đorđević, M.R., Radulović, N.S., Blagojević, P.D., Zlatković, D.B. Structural revision of aristol: a fresh look at the oxidative coupling of thymol under iodination conditions. In: *Book of abstracts of the XII students' congress of Society of Chemists and Technologists of Macedonia*, Skopje (Macedonia), October 12 – 14, 2017, pp. 7.
10. Zlatković, D.B., Radulović, N.S., Đorđević, M.R. Reduction of Biginelli compounds by LiAlH_4 : a rapid access to molecular diversity. In: *Book of abstracts of the XII students' congress of Society of Chemists and Technologists of Macedonia*, Skopje (Macedonia), October 12 – 14, 2017, pp. 8.
11. 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 cordaena* (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.

12. Stojanović, N.M., Radulović, N.S., Filipović, S.I., Zlatković, D.B., Đorđević, M.R., Randelović, P.J., Mitić, K.V., Jevtović-Stoimenov T.M., Randelović, V.N. 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 47rd International Symposium on Essential Oils*. Nice (France), September 11 - 14, 2016, pp. 139.

13. Radulović, N.S., Filipović, S.I., Zlatković, D.B., Đorđević, M.R., Stojanović, N.M., Randjelović, P.J., Mitić, K.V., Jevtović-Stoimenov, T.M., Randelović, V.M. Structural revision of α -furanopinguisanol. In: *18th Central and Eastern European NMR Symposium & Bruker Users' Meeting, Programme and Book of Abstracts*, September 18 - 20, 2016, Sofia, (Bulgaria), pp. 49.

14. Đorđević, M.R., Radulović, N.S., Dekić, M.S., Blagojević, P.D. Identifying secondary metabolites of *Trinia glauca* (L.) Dumort. (Apiaceae) by a direct NMR analysis of a crude solvent extract. In: *18th Central and Eastern European NMR Symposium & Bruker Users' Meeting, Programme and Book of Abstracts*, September 18 - 20, 2016, Sofia, (Bulgaria), pp. 50.

15. Đorđević, M.R., Radulović, N.S., Stojanović, N.M., Stojanović-Radić, Z. Chemical composition of the essential oil of *Heracleum sphondylium* L. (Apiaceae) from the settings of the city of Niš (SE Serbia). In: *Book of abstracts, 12th Symposium on the Flora of Southeastern Serbia and Neighboring Regions*. Kopaonik, June 16 - 19, 2016, pp. 121.

16. Radulović, N.S., Filipović, S.I., Zlatković, D.B., Đorđević, M.R. Revizija stereochemije furanopingvizanola, In: *Book of abstracts, Fourth Conference of Young Chemists of Serbia*. Belgrade (Serbia), 5. November 2016, pp. 31.

17. Đorđević, M.R., Radulović, N.S., Blagojević, P.D. Structural revision of aristol: a new lateral oxidative coupling of thymol. In: *Program and Book of Abstracts of the 52th Meeting of the Serbian Chemical Society*. Novi Sad (Serbia), May 29 - 30, 2015, pp. 118.

18. Stojanović, N.M., Radulović, N.S., Randelović, P.J., Đorđević, M.R. Antinociceptive activity of *Amorpha fruticosa* L. (Fabaceae). In: *Natural Volatiles & Essential Oils, List of the 46rd International Symposium on Essential Oils*. Lublin (Poland), September 13 - 16, 2015, pp.134.

19. Radulović, N.S., Đorđević, M.R., Vukićević, M.D., Vukićević, R.D. Volatiles of *Trinia glauca* L. Dumort. (Apiaceae). In: *Natural Volatiles & Essential Oils, List of the 45rd International Symposium on Essential Oils*. Istanbul (Turkey), September 7 - 10, 2014, pp. 201.

20. Radulović, N., Stojanović-Radić, Z., Stojanović, N., Đorđević, M. Antimicrobial activity of the essential oil of *Heracleum sphondylium* L. (Apiaceae): synergistic interactions of individual constituents, cell membrane damaging and antibiofilm activities. In: *Natural*

Volatiles & Essential Oils, of the 45rd International Symposium on Essential Oils. Istanbul (Turkey), September 7 - 10, 2014, pp. 260.

21. Radulović, N.S., Đorđević, M.R. Long chain 5-alkylresorcinols from *Scilla bifolia* L. In: Book of Abstracts of the 23rd Congress of Chemists and Technologists of Macedonia. Ohrid (Republic of Macedonia), October 8 - 11, 2014, pp. 53.

22. Đorđević, M.R., Radulović, N.S. Chemoselective bioreduction of ferrocenyl chalcones by the yeast *Saccharomyces cerevisiae*. In: *Program and Book of Abstracts of the 51th Meeting of the Serbian Chemical Society.* Niš (Serbia), June 5 - 7, 2014, pp. 61.

23. Cvetković, V., Mitrović, T., Stamenković, S., Stojadinović, B., Jovanović, B., Đorđević, M., Radulović, N. Toxicity of a commonly used solvent dimethyl sulfoxide against *Drosophila melanogaster* larvae: Determination of LC50, LOEC and NOEC values. In: *Book of abstracts of the 11th Symposium on the Flora of Southerneastern Serbia and Neighboring Regions.* Vlasina Lake (Serbia), June 13 - 16, 2013, pp. 71.

24. Radulović, N.S., Đorđević, M.R. Chemical composition of tuber essential oil from *Helianthus tuberosus* L. (Asteraceae). In: *Program, Book of Abstracts and Participants List of the 43rd International Symposium on Essential Oils.* Lisboa (Portugal), September 5 - 8, 2012, pp. 66.

25. Radulović, N.S., Đorđević, M.R., Blagojević, P.D. Alkamides from *Achillea serbica* Nym. (Asteraceae) root essential oil. In: *Program, Book of Abstracts and Participants List of the 43rd International Symposium on Essential Oils.* Lisboa (Portugal), September 5 - 8, 2012, pp. 96.

26. Radulović, N.S., Đorđević, M.R. Hemijski sastav etarskog ulja gomolja biljne vrste *Helianthus tuberosus* L. (Asteraceae), In: *Program and Book of Abstracts of the First Conference of Young Chemists of Serbia.* Belgrade (Serbia), October 19 - 20, 2012, pp. 20.

27. Radulović, N.S., Đorđević, M.R. Synthesis of mono- and diiodo-derivatives of *N*-(4-methoxyphenethyl)amide as model compounds of tyramine metabolites of marine organisms of the genus *Didemnum*. In: *Program and Book of Abstracts of the 50th Meeting of the Serbian Chemical Society.* Belgrade (Serbia), June 14 - 15, 2012, pp. 158.