

Prof. Slavica Ražić, PhD

URL: <http://www.pharmacy.bg.ac.rs/en/about-us/professors/1371/slavica-ra%C5%BEi%C4%87-phd/>

Date and place of birth: 29.04.1960, Prizren, Serbia

Natioanlity: Serbian



EDUCATION

- 2014 Specialist Academic Studies: Toxicological risk assessment for environmental pollutants
- 2000 Ph.D. Thesis: "Influence of organic solvents on determination of trace elements by atomic emission spectroscopy", Faculty of Chemistry - University of Belgrade
- 1991 Master Thesis: "Testing of periodate oxidation of pentitol, pentoses and glycosides and their determination", Faculty of Pharmacy University of Belgrade
- 1988 Professional Competence Exam
- 1983 Graduate pharmacist from the Faculty of Pharmacy - University of Belgrade
- 1978 Grammar School, Prizren (Serbia).
- 1974 Elementary school, Prizren (Serbia).

CURRENT POSITION

- 2012 Full professor of Analytical Chemistry - Department of Analytical Chemistry - Faculty of Pharmacy - University of Belgrade
- 2025 Principal Research Fellow - Department of Analytical Chemistry - Faculty of Pharmacy - University of Belgrade

PREVIOUS POSITIONS

- 2007 Associate professor (Department of Analytical Chemistry - Faculty of Pharmacy - University of Belgrade)
- 2001 Assistant professor (Department of Analytical Chemistry - Faculty of Pharmacy - University of Belgrade)
- 1992 Assistant (Department of Analytical Chemistry - Faculty of Pharmacy - University of Belgrade)
- 1985 Assistant Fellow (Department of Analytical Chemistry - Faculty of Pharmacy - University of Belgrade)

ACADEMIC AWARDS AND DISTINCTIONS

- 2023 Acknowledgment from the Faculty of Pharmacy – University of Belgrade for the successful promotion of the Faculty and outstanding results in scientific and research work
- 2019 Acknowledgment from the Faculty of Pharmacy – University of Belgrade for the successful promotion of the Faculty and outstanding results in scientific and research work

Curriculum Vitae

- 2017 The Honorary member the Serbian Chemical Society for exceptional contribution
2008 The Merit Member of the Serbian Chemical Society for activities and contribution
2001 Annual award of the Chamber of Commerce of Belgrade for the best Doctorial dissertation in 2001.

TEACHING ACTIVITIES

Enrolled in teaching at the first and second year of study for two study programs (Pharmacy and Pharmacy - Medical Biochemistry):

Analytical Chemistry 1 (mandatory course at the first year)

Analytical Chemistry 2 (elected course at the second year)

Selected Chapters on Analytical Chemistry with Module of Green Chemistry (elected course at the third year)

Specialist academic studies - Toxicological Risk Assessment of Environmental Contaminants: *Green Chemistry* in the course of the Principles of toxicology.

Specialist studies required by healthcare system – Sanitary Chemistry: *Methods of applied analytical chemistry*.

INSTITUTIONAL/ACADEMIC RESPONSIBILITIES – SELECTED

- 2022-2025 Head of the Department of Analytical Chemistry - Faculty of Pharmacy - University of Belgrade.
- 2018- Member of the Study Group for Open Science on the University of Belgrade.
- 2015-2022 Member of the Council of Faculty of Pharmacy - University of Belgrade.
- 2013-2019 Member of the Program Council for Continual Education.
- 2007-2013 Member of the Commission for Reviewing Higher Education Diplomas.
- 2003-2007 Head of the Department of Analytical Chemistry - Faculty of Pharmacy - University of Belgrade.
2004. Member of the Board for Monitoring and Preparation of Fellow Internship at the Pharmaceutical Chamber.
2003. Coordinator of Tempus Project.
- 2001-2002 Member of the Memorial Board of the University.
- 2012-2016 Vice President of the Serbian Chemical Society (SCS).
- 2001-2023 Chair of the Division of Analytical Chemistry of the Serbian Chemical Society (DAC-SCS).
- 1986-1987 Member of the Council of Faculty of Pharmacy- University of Belgrade.

INTERNATIONAL RESPONSIBILITIES

- 2022-2025 Titular member Analytical Chemistry Division of IUPAC-a, ACD-IUPAC.
- 2024 - Member of the Interdivisional Committee on Green Chemistry for Sustainable Development, ICGCSD-IUPAC.
- 2022-2025 Elected member - EuChemS Executive Board.

Curriculum Vitae

2021.	Appointed member - EuChemS Executive Board.
2017 - 2022	Chair of the Division of Analytical Chemistry of the European Chemical Society, DAC-EuChemS.
2016-2017	Associate Member of the Analytical Chemistry Division of IUPAC-a, ACD-IUPAC
2013 -	Representative of the Serbian Chemical Society in IUPAC.
2010 -	Member of the Steering Committee of DAC-EuChemS.
2008 -	Member of the Presidium of Euroanalysis conferences.
2002 -	Delegate of SCS in DAC-EuChemS (Division of Analytical Chemistry of the European Chemical Society).

MEMBERSHIP AND ORGANIZATION OF MAJOR SCIENTIFIC MEETINGS

2025	Member of the Scientific Committee of the XXII European Conference on Analytical Chemistry, Euroanalysis Barcelona (Spain), 31 August – 4 September, 2025.
2024	Member of the Scientific Committee of the 3rd European Sample Preparation Conference (EuSP2024) and the 2nd Green and Sustainable Analytical Chemistry Conference (GSAC2024). Chania-Crete, Greece. 15-18 September, 2024.
2023	Member of the Scientific Committee of the XXI European Conference on Analytical Chemistry, Euroanalysis, Geneva (Switzerland), 27-31 August, 2023.
2023	Member of the Scientific Committee of the EuroFoodChem, Belgrade (Serbia), 14-16 June, 2023.
2022	Member of the Scientific Committee of 58 th National Meeting of the Serbian Chemical Society, Belgrade, 9-10 June, 2022.
2022	Member of the Scientific Committee of the 2nd European Sample Preparation Conference, online, 14-16 March, 2022.
2022	Member of the Scientific Committee of the 1 st Green and Sustainable Analytical Chemistry e-conference, 14-16 March, 2022.
2022	Member of the Scientific Committee of the 7 th Congress of Pharmacy in North Macedonia with International participation, Ohrid (North Macedonia), 5-9 October 2022.
2021	Co-Chair of the 1st European Sample Preparation Conference, online, 11-12 March, 2021.
2021	Member of the Scientific Committee of the XXI EUROFOODCHEM online conference, Portugal, 22-24 November, 2021.
2021	Member of the Scientific Committee of 57 th National Meeting of the Serbian Chemical Society, Kragujevac, 18-19 June, 2022.
2019	Member of the Scientific Committee of the XX European Conference on Analytical Chemistry, Euroanalysis, Istanbul (Turkey), 1-5 September, 2019.
2017	Member of the Scientific Committee of the XIX European Conference on Analytical Chemistry, Euroanalysis, Stockholm (Sweden), 29 August - 1 September, 2017.
2017	Member of the Scientific Committee of 54 nd National Meeting of the Serbian Chemical Society, Belgrade, 29-30 September, 2017.
2016	Member of the Scientific Committee of 6th Congress of Pharmacy in Macedonia, Ohrid, 1-6 June, 2016.
2016	Member of the Scientific Committee of the 57th Students' Congress of Biomedical Sciences with international participation, Srebrno jezero, 22-26 April, 2016.

Curriculum Vitae

2016	Member of the Scientific Committee of 53 nd National Meeting of the Serbian Chemical Society, Kragujevac, 10-11 June, 2016.
2015	Member of the Scientific Committee of the XVIII European Conference on Analytical Chemistry, Euroanalysis, Bordeaux (France), 16-10 September, 2015.
2015	Member of the Scientific Committee of 52 nd National Meeting of the Serbian Chemical Society, Novi Sad, 29-30 May, 2015.
2014	Member of the Scientific Committee of Global Students' Conference of Biomedical Sciences (GSC Belgrade), Belgrade, 2-5 October, 2014.
2013	Member of the Scientific Committee of the XXVII European Conference on Analytical Chemistry, Euroanalysis, Warsaw (Poland), 25-29 August, 2013
2011	Chair of the XXVI European Conference on Analytical Chemistry, Euroanalysis, Belgrade (Serbia), 11-15 September, 2011 (about 600 participants from 57 countries from Europe and other continents).
2005	Member of the Scientific Committee of the Sixth European Meeting on Environmental Chemistry, EMEC 6, Belgrade.
2004	Member of the Organizing Committee of 4th International Conference of the Chemical Societies of the South-East European Countries, ICOSCS 4, Belgrade.
2004	Member of the Organizing Committee of XLII National Meeting of the Serbian Chemical Society, Belgrade.
2000	Member of the Organizing Committee of 5th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade.

EDITORIAL OFFICES OF INTERNATIONAL JOURNALS

2023-	International Advisory Board of the <i>Analytical and Bioanalytical Chemistry</i> (Springer)
2021-	Member of the Editorial Advisory Board of the <i>Advance in Sample Preparation</i> (Elsevier)
2019-2023	Member of the Editorial Board of the <i>Journal of Research in Pharmacy</i>
2004-2023	Member of the Editorial Board and sub-editor for analytical chemistry in the <i>Journal of Serbian Chemical Society</i>

Peer review activities (scientific journals):

1. Advances in Sample Preparation
2. Analytical and Bioanalytical Chemistry
3. Analytical Chemistry
4. Analytical Methods
5. Arabian Journal of Chemistry
6. Biomass Conversion and Biorefinery
7. Chemosphere
8. Chromatographia
9. Croatica Chemica Acta
10. Ecotoxicology and Environmental Safety
11. Environmental Chemistry Letters
12. Environmental Monitoring and Assessment
13. Environmental Pollution
14. Environmental Science and Pollution Research
15. Food Chemistry

Curriculum Vitae

16. Food Sciences and Emerging Technologies
17. International Journal of Environmental Analytical Chemistry
18. Italian Journal of Food Science
19. Journal of AOAC International
20. Journal of Arid Environments
21. Journal of the Brazilian Chemical Society
22. Journal of Chromatography A
23. Journal of Hazardous Materials
24. Journal of Planar Chromatography
25. Journal of Research in Pharmacy
26. Journal of Separation Science
27. Journal of Pharmaceutical and Biomedical Analysis
28. Journal of the Serbian Chemical Society
29. Macedonian Journal of Chemistry and Chemical Engineering
30. Microchemical Journal
31. Monatshefte für Chemie - Chemical Monthly
32. Polish Journal of Environmental Studies
33. RSC Advances
34. Science of the Total Environment
35. Separations
36. Talanta
37. Trends in Analytical Chemistry
38. Trends in Environmental Analytical Chemistry
39. MDPI

SELECTED INTERNATIONAL COMMISSIONS OF TRUST

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| 2025 | Referee for the project. Title: Chamomile Waste Valorization through Innovative Green Extraction Techniques and Encapsulation (ChamWAVE). Croatian Science Foundation Call for Proposals "Research Projects 2025". |
| 2025 | Member of the International Jury of the Catalan Chemical Society (Spain) |
| 2024 | Chair of the Examination Board for the defense of PhD Theses in Analytical Chemistry. Title: In-house mixed-mode ion-exchange materials for the extraction of contaminants from environmental samples. Candidate: Alberto Moral Ruiz Departament de Química Analítica i Química Orgànica - Universitat Rovira i Virgili (Spain). |
| 2024 | Member of the International Jury of the Catalan Chemical Society (Spain) |
| 2022 | Referee of ERC Project „IRIS 2.0“, European Research Council (ERC) |
| 2019 | Referee for a Full Professor position in Pharmaceutical Bioanalysis - University of Vienna (Austria). |
| 2019 | Referee for project in Analytical Chemistry. Title: Unified pH Scale: from Concept to Applications. Estonian Research Council (Estonia). |
| 2018 | Member of the committee for reviewing European doctoral thesis in Analytical Chemistry. Title: Real-time determination of vapors by means of secondary electrospray ionization (SESI) coupled to mass spectrometry: mechanistic studies and biochemical applications. Candidate: Alberto |

Curriculum Vitae

	Tejero Rioseras. Department of Analytical Chemistry - University of Cordoba (Spain).
2016	Member of the Examination Board for the defense of PhD Theses in Analytical Chemistry. Title: Development of combinations of sample treatment and data processing techniques for the simplification of analytical methods. Candidate: Ana Perez Anton. Department of Analytical Chemistry, Nutrition and Food Science - University of Salamanca (Spain).
2016	Referee for a Full Professor position in Pharmaceutical Analysis - Department of Pharmacy, School of Health Sciences of the National and Kapodistrian - University of Athens (Greece).
2015	Referee for a Full Professor position in Instrumental Chemical Analysis. School of Chemical Engineering - National Technical University of Athens (Greece).
2015	Referee for a Full Professor position in Analytical Chemistry. School of Chemistry - Aristotle University of Thessaloniki (Greece).
2015	Referee for a Associate professor position in Pharmaceutical Analysis. School of Medicine - Faculty of Health Science - Aristotle University of Thessaloniki (Greece).
2015	Member of the committee for reviewing European doctoral thesis in Analytical Chemistry. Faculty of Pharmacy - University Ss. Cyril and Methodius, (Macedonia).
2013	Referee for a Full Professor position in Analytical Chemistry. School of Chemistry - Aristotle University of Thessaloniki (Greece).
2013	Member of the committee for reviewing European doctoral thesis in Analytical Chemistry. Department of Analytical Chemistry, Nutrition and Food Science - University of Salamanca (Spain).
2011	Member of the committee for reviewing European doctoral thesis in Analytical Chemistry - Department of Analytical Chemistry, Nutrition and Food Science - University of Salamanca (Spain).

MEMBERSHIP IN SOCIETIES IN SERBIA

2012-2016	Vice-president of the Serbian Chemical Society
2004-	Member of Steering Committee of the Serbian Chemical Society
2003-2023	President of the Division of Analytical Chemistry of the Serbian Chemical Society
1984-	Pharmaceutical Society of Serbia

SCIENTIFIC PROJECTS

2024-2026	Novel Bio-linked Magnetite/geopolymer Composites in Phenol-containing Wastewater Treatment: Toward Zero-waste Technology – Science Fund of the Republic Serbia – Program PRISMA. Project Leader.
2022-2024	Monitoring of trace metal elements including lanthanides in the environmental samples as potential pollutants. Cooperation Agreement between the Joint Institute for Nuclear Research (JINR), Dubna, Russian Federation, and the Ministry of Education and Science of the Republic of Serbia. Participant in project.

Curriculum Vitae

2020-	A review of current status of analytical chemistry education. International Union of Pure and Applied Chemistry (IUPAC). Participant in project.
2011-2019	New technologies for monitoring and environmental protection from harmful chemical substances and radiation. Institute for Nuclear Sciences Vinča - University of Belgrade. Coordinator of Work Package.
2006-2010	New methods and techniques for the separation and speciation of trace elements, organic compounds and radionuclides and identification of their sources. Institute for Nuclear Sciences Vinča - University of Belgrade. Coordinator of Work Package.
2002-2005	Synthesis and characterization of polioxomethalate and related metal compounds for application in new technologies, biomedicine and environmental protection. Faculty of Physical Chemistry - University of Belgrade. Participant in project.
1996-2000	Spectroscopy of physical-chemical processes and states, structure and energy of systems. Faculty of Physical Chemistry - University of Belgrade. Participant in project.
1996-2000	Development of modern analytical methods, procedures and sensors, their investigation and application. Faculty of Chemistry - University of Belgrade. Participant in project.
1985-1990	Investigation of periodate oxidation and polyhydroxy compounds and their application in the quantitative analysis. Faculty of Pharmacy - University of Belgrade. Participant in project.

CURRENT RESEARCH INTERESTS

Current research over the past decade has focused on developing analytical methods for environmental and natural food samples, assisted by chemometric analysis and aligned with the principles of green and sustainable chemistry. Particular attention is given to a greener approaches to sample preparation, and the use of unconventional, environmentally friendly solvents (such as natural solvents, deep eutectic solvents, ionic liquids, supercritical fluids, and subcritical water), as well as environmentally friendly extraction techniques. Current research also includes the physicochemical characterization of extracts using appropriate separation and spectroscopic analysis techniques. Another focus is the development of innovative, sustainable methodologies for extracting and removing pollutants from complex environmental matrices.

Bibliography ~ 253 units (related to science), October 2025.

MONOGRAPHS, CHAPTERS AND TEXTBOOKS

1. **Ražić S.** Green Chemistry in Pharmacy and Green Analytical Chemistry (in Serbian), ISBN: 978-86-623-122-7, Faculty of Pharmacy, Belgrade, 2024.
2. **Ražić S.,** Arsenijević J., Trtić-Petrović T., Meng Y. & Anderson J.L. Chapter "Use of Unconventional Solvents for Sample Preparation in Environmental Analysis", in "Comprehensive Sampling and Sample Preparation", 2nd Ed. Elsevier, 2024.
3. **Ražić S.,** Cvetanović-Kljakić A. & Bodo E. (2024) Ionic Liquids and Deep Eutectic Solvents: Greener Approaches for Sustainable Chemistry. Ed. MDPI, Basel, Switzerland, ISBN 978-3-7258-0866-3 (Hbk), ISBN 978-3-7258-0865-6.

4. **Ražić S.** (2011). *Chemometrics in the Analysis of Real Samples - From Theory to Application*. Ed. Faculty of Pharmacy - University of Belgrade, ISBN 978-86-80263-81-6.
5. **Ražić S.** (2002). How to improve trace elements determination by ethanol addition (in Serbian), Special edition, Ed. Zadužbina Andrejević. ISBN 86-7244-320-8.

PAPERS PUBLISHED IN INTERNATIONAL JOURNALS

1. Đogo Mračević S., Stanković M., Đurđević M., Vizi A. & **Ražić S.** Children's playgrounds and urban pollution: Ecological and health risks from Cr, Ni, Pb, As, Cd, Cu, and Zn. *Environ Geochem Health*, 2025, 47, 401. <https://doi.org/10.1007/s10653-025-02694-4>
2. Đogo Mračević S., Mutić J., Stanković V. & **Ražić S.** Voltametric Analysis of Ergosterol Isolated from Wild-Growing and Cultivated Edible Mushrooms from Serbia and Korea. *Molecules*, 2025, 30(9), 2010. <https://doi.org/10.3390/molecules30092010>
3. Đurđević M., Stanković M., **Ražić, S.** & Đogo Mračević, S. Sustainable Fluoride Determination in Selected Infant Juices Available on the Serbian Market: Health Risk Assessment. *Biol. Trace Elem. Res.* 2025 <https://doi.org/10.1007/s12011-025-04617-x>
4. Vesković J., Deršek-Timotić I., Lučić M., Miletić A., Đolić M., **Ražić S.** & Onjia A. Entropy-weighted water quality index, hydrogeochemistry, and Monte Carlo simulation of source-specific health risks of groundwater in the Morava River plain (Serbia). *Marine Pollution Bulletin*, 2024, 116277. <https://doi.org/10.1016/j.marpolbul.2024.116277>
5. Vesković J., Bulatović S., **Ražić S.**, Lučić M., Miletić A., Nastasović A. & Onjia A. Arsenic-contaminated groundwater of the Western Banat (Pannonian basin): Hydrogeochemical appraisal, pollution source apportionment, and Monte Carlo simulation of source-specific health risks. *Water Environment Research*, 2024, 96, e11087. <https://doi.org/10.1002/wer.11087>
6. **Ražić S.**, Gadžurić S. and Trtić-Petrović T. (2023). Ionic liquids in green analytical chemistry – are they that good and green enough? *Analytical and Bioanalytical Chemistry*. Special Edition: Advances in (Bio-)Analytical Chemistry: Reviews and Trends Collection 2024. <https://doi.org/10.1007/s00216-023-05045-3>
7. **Ražić S.**, Arsenijević J., Đogo Mračević S., Mušović J. and Trtić-Petrović T. (2023). Greener chemistry in analytical sciences: from green solvents to applications in complex matrices. Current challenges and future perspectives: a critical review. *Analyst*, 148, 3130. <https://doi.org/10.1039/d3an00498h>
8. Ražić S., Bakić T., Topić A. Lukić J. and Onjia A. (2023). Deep Eutectic Solvent-Based Reversed-Phase Dispersive Liquid–Liquid Microextraction and High-Performance Liquid Chromatography for the Determination of Free Tryptophan in Cold-Pressed Oils. *Molecules*, 28, 2395. <https://doi.org/10.3390/molecules28052395>
9. Petronijević M., **Ražić S.**, Tubić A., Molnar Jazić J., Watson M., Dalmacija B. Agbaba J. (2023). Influence of H₂O₂/UV process on C- and N-disinfection by-products formation in

- different water matrices. *International Journal of Environmental Science and Technology*, 20, 13179-13190. <https://doi.org/10.1007/s13762-023-04862-4>
10. Mušović J., Vraneš M., Papović S., Gadžurić S., Ražić S. and Trtić-Petrović T. (2023). Greener sample preparation method for direct determination of Cd(II) and Pb(II) in river sediment based on an aqueous biphasic system with functionalized ionic liquids. *Journal of Molecular Liquids*, 369, 120974. <https://doi.org/10.1016/j.molliq.2022.120974>
 11. Zengin G., Mollica A., Arsenijević J., Pavlič B., Zeković Z., Ibrahime Sinan K., Yan L., Cvetanović Kljakić A. & **Ražić S.** (2022). Comparative Study of Chamomile Extracts and Essential Oils Obtained by Conventional and Greener Extraction Techniques: Chemometric Approach to Chemical Composition and Biological Activity. *Separations*, 10, 18. <https://doi.org/10.3390/separations10010018>
 12. **Ražić S.**, Segundo M., Turner D., Miró M. & Baeumne A.J. (2022) European analytical column number 50. Editorial in *Analytical and Bioanalytical Chemistry*, 414, 8167-8169. <https://doi.org/10.1007/s00216-022-04373-0>
 13. Semenova I., Bryskina D., Cvetanović Kljakić A., **Ražić S.**, Ananiev V., Rodin I., Shpigun O. & Stavrianidi A. (2022). An application of standardized reference extract quantification strategy in quality control of ginseng infusions by liquid chromatography with mass spectrometric detection. *Phytochemical Analysis*, 33 (6), 838-850. <https://doi.org/10.1002/pca.3133>
 14. Đogo Mračević S., **Ražić S.**, Trišić J., Mitrović N. & Đukić Ćosić D. (2022). Toxic elements in children's crayons and colored pencils: bioaccessibility assessment. *Journal of Serbian Chemical Society*, 87 (6), 723–734. <https://doi.org/10.2298/jsc20091078d>
 15. **Ražić S.**, Segundo M.A. & Vogel M. (2021). European Analytical Column No. 49. Editorial in *Analytical and Bioanalytical Chemistry*, 413, 7319-7321. <https://doi.org/10.1007/s00216-021-03760-3>
 16. Đurđić S., Stanković V., Ražić S. & Mutić J. (2021). Is a Lead Isotope Ratios in Wine Good Marker for Origin Assessment? *Frontiers in Chemistry*, 9:746695. <https://doi.org/10.3389/fchem.2021.746695>
 17. Katsoyiannis I., Lammel G., Samara C., Ernst M., Wenk J., Torretta J., Voutsas D., Vollertsen J., Bucheli T.D., Godbersen L., Lambropoulou D., Heath E., Kallenborn R., Giannakoudakis D., Deliyanni E., Bandosz T., **Ražić S.**, Samanidou V., Papa E., Lacorte S. & Katsoyiannis A. (2021). Innovative aspects of environmental chemistry and technology regarding air, water, and soil pollution. *Editorial in Environmental Science and Pollution Research*. <http://dx.doi.org/10.1007/s11356-021-15370-8>
 18. Jevrosimov I., Kragulj Isakovski M., Apostolović T., Maletić S., **Ražić S.**, Mihajlović M. & Tričković J. (2021). Mechanisms of alachlor and pentachlorobenzene adsorption on biochar and hydrochar originating from *Miscanthus giganteus* and sugar beet shreds. *Chemical Papers*, 75, 2105-2120. DOI: 10.1007/s11696-020-01439-0

19. Culicov O.A., Trtić-Petrović T., Balvanović R., Petković A. & **Ražić S.** (2021). Spatial Distribution of multielements including lanthanides in sediments of Iron Gate I Reservoir on the Danube River. *Environmental Science and Pollution Research*, 28, 44877-44889. <https://doi.org/10.1007/s11356-021-13752-6>
20. **Ražić S.** & Segundo M.A. (2020). European Analytical Column No. 48. Editorial in *Analytical and Bioanalytical Chemistry*, 412, 8225-8227. <https://doi.org/10.1007/s00216-020-03007-7>
21. Radosavljević Stevanović N., Jovanović M., Marini F. & **Ražić S.** (2021). Chemometric approach to a rapid Total Reflection Fourier Transform Infra Red analysis of complex heroin-based mixtures. *Applied Spectroscopy*, 75(5), 545-555. <https://doi.org/10.1177/00037028209697>
22. Đurđić S., Vukojević V., **Ražić S.** & Mutić J. (2020). Lead isotope ratios as tool for elucidation of chemical environment in a system of *Macrolepiota procera* (Scop.) Singer - soil. *Environmental Science and Pollution Research*, 28, 59003-59014. <https://doi.org/10.1007/s11356-020-07947-6>
23. Đogo Mračević S., Krstić M., Lolić A. & **Ražić S.** (2020). Comparative study of the chemical composition and biological potential of honey from different regions of Serbia. *Microchemical Journal*, 152, 104420. <https://doi.org/10.1016/j.microc.2019.104420>
24. **Ražić S.**, Segundo M.A. & Gauglitz G. (2019). European Analytical Column No. 47. Editorial in *Analytical and Bioanalytical Chemistry*, 411, 3695-3698. <https://doi.org/10.1007/s00216-019-01881-4>
25. Arsenijević J., Drobac M., Šoštarić I., Jevđović R., Živković J., **Ražić S.**, Moravčević Đ. & Maksimović Z. (2019). Chemical profiles of essential oils and hydromethanol extracts of cultivated and wild growing *Thymus pannonicus* All. *Industrial Crops and Products*, 130, 162–169. <https://doi.org/10.1016/j.indcrop.2018.12.055>
26. Filipović N., Stevanović M., Veselinović Lj., **Ražić S.**, Jeremić S., Filipić M., Žegura B., Tomić S. & Čolić M. (2019). Poly (ϵ -caprolactone) microspheres for prolonged release of selenium nanoparticles intended for treatment of implant complications. *Materials Science & Engineering C*, 96, 776-789. <https://doi.org/10.1016/j.msec.2018.11.073>
27. Petronijević M., Agbaba J., **Ražić S.**, Molnar Jazić J., Tubić A., Watson M. & Dalmacija B. (2019). Fate of bromine-containing disinfection by-products precursors during ozone and ultraviolet-based advanced oxidation processes. *International Journal of Environmental Science and Technology*, 16(1), 171-180. <https://doi.org/10.1007/s13762-018-1652-8>
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29. Krstic M., Maksimovic Z., Ibrić S., Bakic T., Prodanovic J. & **Razic S.** (2018). Lignocellulosic biomass as a Source of Microcrystalline Cellulose – Chemical and Technological Characterization and Future Perspectives. *Cellulose Chemistry and Technology*, 52(7-8), 577-588.
30. Krstić M. & **Ražić S.** (2018). Analytical approaches to the characterization of solid drugs delivery systems with porous adsorbent carriers. *Current Medicinal Chemistry*, 25(33), 3956 - 3972. DOI: 10.2174/0929867325666180212120908
31. Cvetanović A., Svarc-Gajić J., Zeković Z., **Ražić S.**, Damjanović A., Zengin G., Delerue-Matos C. & Moreira M. (2018). A new source for developing multi-functional products: Biological and chemical perspectives on subcritical water extracts of *Sambucus ebulus* L. *Journal of Chemical Technology and Biotechnology*, 93, 1097–1104. <https://doi.org/10.1002/jctb.5468>
32. Cvetanović A., Zengin G., Zeković Z., Švarc-Gajić J., **Ražić S.**, Damjanović A., Mašković P. & Mitić M. (2018). Comparative in vitro studies of the biological potential and chemical composition of stems, leaves and berries *Aronia melanocarpa*'s extracts obtained by subcritical water extraction. *Food and Chemical Toxicology*, 121, 458-466. <https://doi.org/10.1016/j.fct.2018.09.045>
33. Buchberger W. & **Razic S.** (2017). European analytical column number 45. Editorial in *Analytical and Bioanalytical Chemistry*, 409, 4117–4118. <https://doi.org/10.1007/s00216-017-0359-x>
34. Nacka-Aleksić M., Stojanović M., Simić L., Bufan B., Kotur J., Stojić-Vukanić Z., Dimitrijević M., **Ražić S.** & Leposavić G. (2017). Sex as a determinant of age-related changes in rat spinal cortinflammation-oxidation state. *Biogerontology*, 18(5), 821–839. <https://doi.org/10.1007/s10522-017-9726-4>
35. Kočevlar-Glavač N., Djogo S., **Ražić S.**, Kreft S. & Veber M (2017). Accumulation of heavy metals from soil in medicinal plants. *Archives of Industrial Hygiene and Toxicology*, 68(3), 236-244. <https://doi.org/10.1515/aiht-2017-68-2990>
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5. Stanković M., Đurđević M., Radojičić Đ., **Ražić S.** & Đogo Mračević S. (2024, September). Evaluation of trace and macro elements in honey from different regions of Serbia. *56th Days of preventive medicine*; Niš, Serbia, Book of Abstracts, p. 20.
6. Đurđević M., Stanković M., **Ražić S.** & Đogo Mračević S. (2014, June). Determination of fluoride in infant juices using fluoride ion-selective electrode. *The 3rd International UNIFood Conference – UNIFood2024*; Belgrade, Serbia, Book of Abstracts, p. 136.
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8. **Ražić S.**, Bakić T., Topić A., Lukić J. & Onjia A. (2023, August). Greener Approach to Determination of Free Tryptophan in Cold-pressed Oils by Reversed-Phase Dispersive Liquid-Liquid Microextraction and High-Performance Liquid Chromatography. Book of Abstracts of the Euroanalysis XXI; 2023 Aug 27-31; Geneva, Switzerland. p. 72. **Keynote lecture.**
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24. **Ražić S.** & Dušić Ž. (1989, jun). Spektrofotometrijska metoda za određivanje mravlje kiseline u rastvoru koji preostaje posle periodne oksidacije 1,2-diola, II. *X Jugoslovensko savetovanje o opštoj i primenjenoj spektroskopiji i III Jugoslovenski simpozijum za molekularne nauke*, Ohrid, Jugoslavija, Abstracts, UV 23.

25. Dušić Ž. & Ražić S. (1989, jun). Spektrofotometrijska metoda za određivanje mravlje kiseline u perjudnoj oksidacijarabinoze i ksiloze. *X Jugoslovensko savetovanje o opštoj i primenjenoj spektroskopiji i III Jugoslovenski simpozijum za molekularne nauke*, Ohrid, Jugoslavija, Abstracts, UV 24.
26. Ražić S. & Dušić Ž. (1989, oktobar). Određivanje mravlje kiseline u perjudnoj oksidaciji vicinalnih poliola i Monosaharida. *XI Savetovanje hemičara i tehnologa Makedonije*, Skopje, Jugoslavija, Abstracts, B1-7.
27. Ražić S. & Dušić Ž. (1988, jun). Određivanje kiselina metodom spektrofotometrije. *Peti jugoslovenski simpozijum po analitička hemija*, Ohrid, Jugoslavija, Izvodi Saopštenjata, SM.66.
28. Ražić S. & Dušić Ž. (1988, jun). Spektrofotometrijska metoda za određivanje mravlje kiseline u smeši koja preostaje posle oksidacije 1,2-diola. *Peti jugoslovenski simpozijum po analitička hemija*, Ohrid, Jugoslavija, Izvodi Saopštenjata, SM.65.
29. Ražić S. & Dušić Ž. (1986, septembar). Analiza perjudne oksidacije 2-deoksi-D-riboze, II. *III Savetovanje hemičara i tehnologa Kosova i II Jugoslovenski simpozijum oretkim elementima*, Priština, Jugoslavija, Knjiga izvoda, 131.
30. Dušić Ž. & Ražić S. (1986, januar). Analiza perjudne oksidacije 2-deoksi-D-riboze. *XXVIII Savetovanje hemičara SR Srbije*, Beograd, Jugoslavija, Knjiga izvoda, 115.
31. Dušić Ž. & Ražić S. (1985, oktobar). Određivanje metil- α -D-glukopiranozida potenciometrijskom titracijom. *IV Jugoslovenski simpozijum o analitičkoj hemiji*, Split, Jugoslavija, Sinopsisi radova, 143.

Selected invited lectures at international and domestic conferences, international universities, and international chemical societies

1. Greener Approaches to Sample Preparation in Environmental Analysis and Current Challenges. 50th IUPAC Chemistry Congress (50WCC); Kuala Lumpur, Malezija. **Keynote lecture.**
2. Ražić S. Bakić T, Topić A, Lukić J & Onjia A. (2023, July). Greener Approach to Determination of Free Tryptophan in Cold-pressed Oils by Reversed-Phase Dispersive Liquid-Liquid Microextraction and High-Performance Liquid Chromatography. Euroanalysis XXI; Geneva, Switzerland. **Keynote lecture.**
3. Ražić S. (2023, July). Between green and white analytical chemistry - Greener solvents, from solutions to applications in complex matrices. 38th International Conference on Solution Chemistry. Belgrade, Serbia. **Plenary lecture.**
4. Ražić S, Mušović J, Vraneš M, Papović S, Gadžurić S & Trtić-Petrović T. (2023, June). Greener sample preparation method for direct determination of toxic metals in river sediments using functionalized ionic liquids. 18th International Conference on Chemistry and the Environment (ICCE). Venice, Italy.

5. **Ražić S.**, Cvetanović A. & Arsenijević J. (2021, June-July). From plants samples to analysis of biologically active compounds – toward green(er) analytical chemistry. 23rd International Symposium on Advances in Extraction Technologies – online konferencija.
6. **Ražić S.**, Trtić-Petrović T. & Ana Culicov O. (2019). Distribution of Technology Critical Elements (TCE) in Sediments of the Danube River and its Tributaries in Republic of Serbia. *Euroanalysis XX*. Istanbul (Turkey).
7. **Ražić S.**, Đurđić S., Vukojević V. & Mutić J, (2019, June). Lead isotope ratios as tool for elucidation of chemical environment in a real system of mushrooms-soil. 17th International Conference on Chemistry and the Environment (ICCE). Thessaloniki, Greece.
8. **Ražić S.** (2018, November). Case studies related to analytics of biogenic organic compounds: new green approaches, environmental impact and forensic challenges. *Division of analytical chemistry and spectroscopy of the Croatian chemical society, University of Zagreb, Zagreb, Croatia*.
9. **Ražić S.** (2017, April). Subcritical water extraction in analysis of bioactive compounds. *Division of analytical chemistry of the Italian chemical society, Mini-symposium of DAC-EuCheMS, University La Sapienza, Rome, Italy*.
10. **Ražić S.** & Arsenijević J. (2015, June). Biogenic volatile organic compounds (BVOCs), environmental impact and analytical challenges. *7th Symposium Chemistry and Environmental Protection - Enviro Chem*, Palić, Srbija. Book of Abstracts, 50. **Keynote lecture**.
11. **Ražić S.** & Arsenijević J. (2015, March). Biogenic volatile organic compounds (BVOCs), environmental impact and analytical challenges. *Division of analytical chemistry of the Slovenian chemical society, Mini-symposium of DAC-EuCheMS, University of Ljubljana, Ljubljana, Slovenia*.
12. **Ražić S.** & Radosavljević-Stevanović N. (2014, December). Metals and Organic Compounds in Cannabis samples - From Analytics via Biosynthesis to Forensics. *Charles University in Prague, Prague, Czech Republic*.
13. **Ražić S.** (2015, april). Green chemistry - vision, dream or future which has already begun. *26. Aprilski dani za nastavnike hemije*, Beograd, Srbija, Izvodi radova.
14. **Ražić S.** (2004, januar). Eurocurriculum I, Eurocurriculum II or something third. *XLII Savetovanje srpskog hemijskog društva*, Novi Sad, Srbija, Izvodi radova, 9 -10.
15. Radosavljevic-Stevanovic N. & **Razic S.** (2014). Metals and organic compounds in the biosynthesis of cannabinoids. *European network of forensic science institutes –ENFSI 2014*, Helsinki, Finland.

16. **Razic S.** & Djogo S. (2009, October). Sample preparation approach to assess the bioavailability of chromium to plants. *6th International conference Instrumental Methods of Analysis, Modern Trends and Applications*, Athens, Greece.
17. **Ražić S.** (2009, September). Model case study: Basic chemometric approach to the determination of metal content in some environmental samples. *Euroanalysis XV*, Innsbruck, Austria.
18. **Ražić S.**, Onjia A. Đogo S. & Slavković L. (2005, December). Chemometrics approach to elemental analysis of plant and soil samples. *The sixth European Meeting on Environmental Chemistry*, Belgrade, Serbia and Montenegro.
19. **Ražić S.** (2004, januar). Eurocurriculum I, Eurocurriculum II or something third. *XLII Savetovanje srpskog hemijskog društva*, Novi Sad, Srbija, Izvodi radova, 9 -10. **Keynote lecture.**