

**Prof. Slavica Ražić, PhD**

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

**Date of birth:** 29.04.1960

**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

**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 Letter of appreciation from the Faculty of Pharmacy for the successful promotion of the Faculty and the outstanding results in scientific and research work
- 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 - 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
- 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
- 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

## INTERNATIONAL RESPONSIBILITIES

- 2022-2025 Titular member Analytical Chemistry Division of IUPAC-a (ACD-IUPAC).
- 2022-2025 Elected member - EuChemS Executive Board.
- 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)

## *Curriculum Vitae*

- 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**

- 2023 Member of the Scientific Committee of the European Conference on Analytical Chemistry, Euroanalysis 21, 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<sup>th</sup> 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<sup>st</sup> Green and Sustainable Analytical Chemistry e-conference, 14-16 March, 2022.
- 2022 Member of the Scientific Committee of the 7<sup>th</sup> 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<sup>th</sup> National Meeting of the Serbian Chemical Society, Kragujevac, 18-19 June, 2022.
- 2019 Member of the Scientific Committee of the European Conference on Analytical Chemistry, Euroanalysis 20, Istanbul (Turkey), 1-5 September, 2019.
- 2017 Member of the Scientific Committee of European Conference on Analytical Chemistry, Euroanalysis 19, Stockholm (Sweden), 29 August - 1 September, 2017.
- 2017 Member of the Scientific Committee of 54<sup>nd</sup> National Meeting of the Serbian Chemical Society, Belgrade, 29-30 September, 2017.

## Curriculum Vitae

- 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.
- 2016 Member of the Scientific Committee of 53<sup>nd</sup> National Meeting of the Serbian Chemical Society, Kragujevac, 10-11 Jun, 2016.
- 2015 Member of the Scientific Committee of European Conference on Analytical Chemistry, Euroanalysis 18, Bordeaux (France), 16-10 September, 2015.
- 2015 Member of the Scientific Committee of 52<sup>nd</sup> 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 European Conference on Analytical Chemistry, Euroanalysis 17, Warsaw (Poland), 25-29 August, 2013
- 2011 Chair of the European Conference on Analytical Chemistry, Euroanalysis 16, Belgrade, 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, Beograd.
- 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 *Analytical and Bioanalytical Chemistry* (Springer)
- 2021 - Member of the Editorial Advisory Board of the *Advance in Sample Preparation* (Elsevier)
- 2019 - Member of the Editorial Board of the *Journal of Research in Pharmacy*
- 2004-2023 Member of the Editorial Board and sub-editor for analytical chemistry in the *Journal of Serbian Chemical Society*

**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. Environmental Chemistry Letters
11. Environmental Monitoring and Assessment
12. Environmental Science and Pollution Research
13. Food Chemistry
14. Food Sciences and Emerging Technologies
15. International Journal of Environmental Analytical Chemistry
16. Italian Journal of Food Science
17. Journal of AOAC International
18. Journal of Arid Environments
19. Journal of the Brazilian Chemical Society
20. Journal of Chromatography A
21. Journal of Hazardous Materials
22. Journal of Planar Chromatography
23. Journal of Research in Pharmacy
24. Journal of Separation Science
25. Journal of the Brazilian Chemical Society
26. Journal of Pharmaceutical and Biomedical Analysis
27. Journal of the Serbian Chemical Society
28. Macedonian Journal of Chemistry and Chemical Engineering
29. Monatshefte für Chemie - Chemical Monthly
30. Polish Journal of Environmental Studies
31. RSC Advances
32. Science of the Total Environment
33. Separations
34. Talanta
35. Trends in Analytical Chemistry
36. Trends in Environmental Analytical Chemistry
37. Bezbednost (Serbian)
38. Hemijska industrija (Serbian)
39. Arhiv za farmaciju (Serbian/English)

**SELECTED INTERNATIONAL COMMISSIONS OF TRUST**

- 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 on 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 Tejero Rioseras. Departement of Analytical Chemistry - University of Cordoba (Spain).
- 2016 Member of the Examination Board for defending 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 Salananca (Spain). Date: 28. October 2016.
- 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 Salananca (Spain).

## *Curriculum Vitae*

2011 Member of the committee for reviewing European doctoral thesis in Analytical chemistry - Department of Analytical Chemistry, Nutrition and Food Science - University of Salananca (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 Divison 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

2020 - A review of current status of analytical chemistry education. International Union of Pure and Applied Chemistry (IUPAC)

2011 - New technologies for monitoring and environmental protection from harmful chemical substances and radiation. Institute for Nuclear Sciences Vinča - University of Belgrade

2006 - 2010 New methodes and techniques for separation and speciation of trace elements, organic compounds and radionuclides and identification of their sources. Institute for Nuclear Sciences Vinča - University of Belgrade

2002 - 2005 Synthesis and characterzation of polioxomethalate and related metal compounds for application in new technologies, biomedicine and environmental protection. Faculty of Physical Chemistry - University of Belgrade

1996 - 2000 Spectroscopy of physical-chemical processes and states, structure and energy of systems. Faculty of Physical Chemistry - University of Belgrade

1996 - 2000 Development of modern analytical methods, procedures and sensors, their investigation and application. Faculty of Chemistry - University of Belgrade

1985 - 1990 Investigation of periodate oxidation and polyhydroxy compounds and their application in the quantitative analysis. Faculty of Pharmacy - University of Belgrade

## CURRENT RESEARCH INTERESTS

Current research interests (in the last decade!) lie in the development of analytical methods for environmental and natural food samples, assisted by chemometric methods of analysis and in line with the principles of green and sustainable chemistry. Particular attention is paid to unconventional, environmentally friendly solvents (natural, deep eutectic solvents, ionic liquids, supercritical fluids, subcritical water, etc.) and environmentally friendly extractions in sample preparation as well as the physico-chemical characterization of the extracts obtained using appropriate separation and spectroscopic analysis techniques.

**Bibliography** ~ 239 units (related to science), February 2024

## MONOGRAPHS

1. **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.
2. **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. **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>
2. **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>
3. 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>
4. Petronijević M., **Ražić S.**, Tubić A., Molnar Jazić J., Watson M., Dalmacija B. Agbaba J. (2023). Influence of H<sub>2</sub>O<sub>2</sub>/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>
5. 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>
  6. Zengin G., Mollica A., Arsenijević J., Pavlič B., Zeković Z., Ibrahim 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>
  7. **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>
  8. 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>
  9. Đogo Mračević S., **Ražić S.**, Trišić J., Mitrović N. & Đukić Čosić 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>
  10. **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>
  11. 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>
  12. 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*.  
<https://dx.doi.org/10.1007/s11356-021-15370-8>

13. 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
14. 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>
15. **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>
16. 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>
17. 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>
18. 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>
19. **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>
20. 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>
21. Filipović N., Stevanović M., Veselinović Lj., **Ražić S.**, Jeremić S., Filipič M., Žegura B., Tomić S. & Čolić M. (2019). Poly ( $\epsilon$ -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>

22. 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>
23. Buchberger W., Özkan S.A. & **Razić S.** (2018). European analytical column number 46. Editorial in *Analytical and Bioanalytical Chemistry*, 410 (20), 4765–4766. <https://doi.org/10.1007/s00216-018-1135-2>
24. Krstic M., Maksimovic Z., Ibric S., Bakic T., Prodanovic J. & **Razić 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.
25. 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
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28. Buchberger W. & **Razić 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>
29. 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>
30. Kočevar-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>
31. Arsenijević J., Drobac M., Šoštarić I., **Ražić S.**, Milenković M., Couladise M. & Maksimović Z. (2016). Bioactivity of herbal tea of Hungarian thyme based on

- the composition of volatiles and polyphenolics. *Industrial Crops and Products*, (2016) 89, 14–20. <https://doi.org/10.1016/j.fct.2018.09.045>
32. Agatonovic-Kustrin S., Hettiarachchi C.G., Morton D.W. & **Razic S.** (2015). Analysis of phenolics in wine by high performance thin-layer chromatography with gradient elution and high resolution plate imaging. *Journal of Pharmaceutical and Biomedical Analysis*, 102, 93-99. <https://doi.org/10.1016/j.jpba.2014.08.031>
33. Krstić M., **Ražić S.**, Vasiljević D., Spasojević Đ. & Ibrić S. (2015). Application of experimental design in examination of the dissolution rate carbamazepine from formulations. Characterization of the optimal formulation by DSC, TGA, FT-IR and PXRD analysis. *Journal of Serbian Chemical Society*, 80(2), 202-222. <https://doi.org/10.2298/JSC030814114K>
34. Krstić M., **Ražić S.**, Djekić LJ., Dobričić V., Momčilović M., Vasiljević D. & Ibrić S. (2015). Application of a mixture experimental design in the Optimization of the Formulation of Solid Self-Emulsifying Drug Delivery Systems Containing Carbamazepine. *Latin American Journal of Pharmacy*, 34(5), 885-894.
35. Radosavljevic-Stevanovic N., Markovic J., Agatonovic-Kustrin S. & **Razic S.** (2014). Metals and organic compounds in the biosynthesis of cannabinoids. A chemometrics approach to the analysis of *Cannabis sativa* samples. *Natural Product Research*, 28(8), 511–516. <https://doi.org/10.1080/14786419.2014.880912>
36. Loescher Ch.M., Morton D. W., **Razic S.** & Agatonovic-Kustrin S. (2014). High Performance Thin Layer Chromatography (HPTLC) and High Performance Liquid Chromatography (HPLC) for the Qualitative and Quantitative Analysis of *Calendula Officinalis*—Advantages and Limitations. *Journal of Pharmaceutical and Biomedical Analysis*, 98, 52–59. <https://doi.org/10.1016/j.jpba.2014.04.023>
37. Agatonovic-Kustrin S., Morton D. W. & **Razic S.** (2014). In Silico Modelling of Pesticide Aquatic Toxicity. *Combinatorial chemistry and high throughput screening*, 17(9), 808-818. DOI: 10.2174/1386207317666141021110738
38. Agatonovic-Kustrin S., Morton D. W., Truong L. & **Razic S.** (2014). Molecular structural characteristics important in drug-HSA binding. *Combinatorial chemistry and high throughput screening*, 17(10), 879-890. DOI: 10.2174/1386207317666141114222955
39. **Razic S.** & Kuntic V. (2013). Diverse Elements in Herbal Tea Products Consumed in Serbia Using Inductively Coupled Plasma Mass Spectrometry. *International Journal of Food Properties*, 16, 1-8. <https://doi.org/10.1080/10942912.2010.526273>
40. Arsenijević J., Marković J., Šošćarić I. & **Ražić S.** (2013). A chemometrics as a powerful tool in the elucidation of the role of metals in the biosynthesis of volatile

- organic compounds in Hungarian thyme samples. *Plant Physiology and Biochemistry*, 71, 298-306. <https://doi.org/10.1016/j.plaphy.2013.08.002>
41. Milivojevic M., Boskovic V., Atanackovic J., Milicevic S., **Razić S.** & Kastratovic-Kotlica B. (2013). Evaluation of osteopontin and CA125 in detection of epithelial ovarian carcinoma. *European Journal of Gynaecology and Oncology*, 34(1), 83-85.
  42. Živković J., **Razić S.**, Arsenijević J. & Maksimović Z. (2012). Heavy metal contents in *Veronica* species and soil from mountain areas in Serbia. *Journal of Serbian Chemical Society*, 77(7) 959–970. <https://doi.org/10.2298/JSC111225221Z>
  43. **Razić S.**(2012).Euroanalysis XVI - Challenges in modern analytical chemistry (Editorial Material). *Analytical and Bioanalytical Chemistry*, 403(4), 899-901. <https://doi.org/10.1007/s00216-012-5884-z>
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#### **Additional publications - journals and newsletters (DAC-EuChemS / EuChemS)**

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2. **Ražić S.**, Segundo S, Turner D, Miró M, Baeumner A. (2022). EuCheMS News: European Analytical Column No. 50. *Journal of Serbian Chemical Society*, 87 (11), 1341–1345.
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6. **Ražić S.**, Psilakis E. & Samanidou V. (2021). Between High Analytical Demands and Green(er) Sample Preparation for a Sustainable Future. Chemistry in Europe, 4-5. <https://www.euchems.eu/newsletters/wp-content/uploads/2016/03/PDF-CiE-2021-2.pdf>
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### Editorial activities

1. **Ražić S.** International Advisory Board of the Analytical and Bioanalytical Chemistry (Springer).
2. **Ražić S.** Editorial Advisory Board, *Advance in Sample Preparation* (Elsevier).
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5. **Ražić S.** (2023). Guest Editor – *Molecules*. Special Issue: Ionic Liquids and Deep Eutectic Solvents: Greener Approaches for Sustainable Chemistry.  
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### Papers published in domestic journals

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5. Milosavljević M., Đorđević S. & **Ražić S.** (2007). Kinetic study of the reaction between sodium ethyl xantogenate and alkylamine. *Chemical Industry & Chemical Engineering Quarterly*, 13(4) 175–178.
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12. Dušić Ž. & **Ražić S.** (1992). Kritički osvrt na određivanje mravlje kiseline u perjordnoj oksidaciji pentoza i vicinalnih poliola metodom neutralizacije. *Arhiv za farmaciju*, 42(1), 5-8.
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**International conferences and presentations (Proceedings and Abstracts)**

1. **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.**
2. Mušović J, Stanković D, Vraneš M, **Ražić S** & Trtić-Petrović T. (2023, August). Separation of e-waste metals using green aqueous two-phase systems based on functionalized ionic liquids and deep eutectic solvents. Book of Abstracts of the Euroanalysis XXI; 2023 Aug 27-31; Geneva, Switzerland. p. 112.
3. Mutić T, Ognjanović M, Stanković D & **Ražić S**. (2023, August). Fabrication of cobalt oxide-supported carbon paste electrode for sensitive and selective Levofloxacin sensing. Book of Abstracts of the Euroanalysis XXI; 2023 Aug 27-31; Geneva, Switzerland. p. 302.
4. **Ražić S**. (2023, July). Between green and white analytical chemistry - Greener solvents, from solutions to applications in complex matrices. Book of Abstracts of the 38th International Conference on Solution Chemistry; 2023 July 9-14; Belgrade, Serbia. p. 7. **Plenary lecture.**
5. **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. Book of Abstracts of the 18th International Conference on Environmental Chemistry; 2023 June 11-15; Venice, Italy. p. 187. **Invited lecture.**
6. Vesković J, Lučić M, **Ražić S**, Deršek-Timotić I, Miletić A, Đolić M & Onjia A. (2023, December). Multivariate analysis of the Morava river plain groundwater. Proceedings of the International Scientific and Professional Conference POLITEHNIKA; 2022, December 15, Belgrade, Serbia. p. 89-94.
7. Arsenijević J, Drobac M, Slavkowska V, Dabetić N, Marcic C, Kovačević N & **Ražić S**. (2022, October). Comparison of efficiency of eutectic mixture and conventional solvents for the extraction of hydroxycinnamic acid derivatives from the herb of *Satureja kitaibelii* Wierzb. ex Heuff. (Lamiaceae). VIII Kongres farmaceuta Srbije sa međunarodnim učešćem, 2022 October 12-15, Beograd. Arh Farm. 2022; 72(Suppl. 4),S481-S482. MPP-PP15.
8. **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 conference. OEu1.
9. **Ražić S.** & Segundo M.A. (2020, June). European Chemical Society - Division of Analytical Chemistry: Activities of Professional Network. The PortASAP meeting. Web conference. WG6.O1.

10. Dimitrijević A., Jocić A., Marić S., Zdolšek N., Trtić-Petrović T., Gadžurić S., Vraneš M., **Ražić S.**, Arsenijević J., Tavares A. P. & Freire M. (2019, September). Manipulation of the parthenolide partition using micelle structures of block copolymer in ionic liquid based aqueous biphasic system. *Euroanalysis XX*. Istanbul, Turkey. Proceedings.
11. **Ražić S.**, Trtić-Petrović T. & Ana Culicov O. (2019, September). Spatial Distribution of Technology Critical Elements (TCE) in Sediments of the Danube River and its Tributaries in Republic of Serbia. *Euroanalysis XX*. Istanbul, Turkey. Proceedings. **Invited lecture.**
12. **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. Conference Proceedings, 168-169. **Invited lecture.**
13. Bakić T., Krstić M., Maksimović Z. & **Ražić S.** (2018, June). Biomass as a source of microcrystalline cellulose – chemical and technological characterization, *12<sup>th</sup> International Symposium of Pharmaceutical Sciences (ISOPS)*, Ankara, Turkey. Book of Abstracts, OP-104, 94.
14. Arsenijević J., Cvetanović A., Pavlović B., **Ražić S.**, Maksimović Z. & Zeković Z. (2018, September). Comparison of hydrodistillation (HD), microwave-assisted hydrodistillation (MHD) and supercritical fluid extraction (SFE) for the isolation of volatiles from chamomile flower. *49<sup>th</sup> International Symposium on Essential Oils (ISEO2018)*, Niš, Serbia. Book of Abstracts, *Facta Universitatis*, 2018, 16(1), 102.
15. Cvetanović A., Pavlić B., **Ražić S.**, Arsenijević J., Zengin G., Uysal S. & Zeković Z. (2018, October). Emerging approach for the preparation of chamomile functional ingredients. *UNIFood conference, University of Belgrade, 210<sup>th</sup> Anniversary*, Belgrade, Serbia. Book of abstracts, P18.
16. Đogo Mračević S., Lolić A., Krstić M., Mitrić Z. & **Ražić S.** (2018, October). Antibacterial and antioxidant activity of honeys from different regions of Serbia. *UNIFood conference, University of Belgrade, 210<sup>th</sup> Anniversary*, Belgrade, Serbia. Book of abstracts, P25.
17. Đogo Mračević S, Krstić M, Basić Z. & **Ražić S.** (2017, September). Application of inductively coupled plasma optical emission spectrometry in Fe, Cu, Zn, Cd, and Pb analysis in wheat and flour samples from several regions of Serbia. *51<sup>st</sup> Days of Preventive Medicine*, Niš, Serbia. Book of Abstracts, 144.
18. Nastić N., **Ražić S.**, Damjanović A., Cvetanović A., Gaurina Srček V., Slivac I., Radošević K. & Švarc-Gajić J. (2017, June). Anticancerogenic potential of plum (*Prunus domestica* L.) kernel extracts obtained by subcritical water. *10<sup>th</sup> Joint*

- Meeting on Medicinal Chemistry*, Dubrovnik, Croatia. Book of Abstract, P-106, p. 182.
19. **Ražić S.** & Radosavljević-Stevanović N. (2016, June). Chemometrics – powerful tool in tracking the origin of cannabis samples? *6<sup>th</sup> Congress of Pharmacy in Macedonia*, Ohrid, Makedonija. Book of Abstracts, S2 O 269. *Macedonian pharmaceutical bulletin*, 2016, 62(suppl), 129-130. **Invited lecture.**
  20. **Ražić S.** (2016, March). Analytical challenges in biogenic volatile organic compounds. *IUPAC Workshop: Advances in Analytical Chemistry (joint event to ACS Annual Meeting)*, Bratislava, Slovakia. **Invited lecture.**
  21. Petronijević M., Agbaba J., Molanar Jazić J., **Ražić S.**, Tubić A., Watson M. & Dalmacija B. (2016, June-July). Impact of ozone dose on natural organic matter content and bromate formation in water. *23<sup>th</sup> Young Investigators' Seminar on Analytical Chemistry (YISAC)*, Novi Sad, Serbia. Book of Proceedings, 56.
  22. Đogo Mračević S., Lolić A., Krstić M. & **Ražić S.** (2016, September). Nitrite content determination in meat and products. *50<sup>th</sup> days of preventive medicine*, Niš, Serbia. Book of Abstracts, 78.
  23. **Ražić S.**, Arsenijević J., Gadžurić S. & Maksimović Z. (2015, September). Headspace extraction of volatile organic compounds of Hungarian thyme infusions. *18<sup>th</sup> European Conference on Analytical Chemistry, Euroanalysis XVIII*, Bordeaux, France. E-book, O103, 147. **Oral communication.**
  24. Stevanović M., Filipović N., Jeremić S., Nikodinović J. & **Ražić S.** (2015, September). Effect of different degradation medium on PCL spheres loaded with selenium nanoparticles. *Final Annual Meeting of the COST Action TD1004, "Theranostics Imaging and Therapy: An Action to Develop Novel Nanosized Systems for Imaging-Guided Drug Delivery"*, Belgrade, Serbia.
  25. **Ražić S.** & Arsenijević J. (2015, June). Biogenic volatile organic compounds (BVOCs), environmental impact and analytical challenges. *7<sup>th</sup> Symposium Chemistry and Environmental Protection - Enviro Chem*, Palić, Srbija. Book of Abstracts, 50. **Invited lecture.**
  26. Živojinović D., Lukić N., **Ražić S.**, Onjia A. & Rajaković Lj. (2015, June). Značaj primene multivarijacione statističke analize u praćenju parametara kvaliteta vode. *7<sup>th</sup> Symposium Chemistry and Environmental Protection - Enviro Chem*, Palić, Srbija. Book of Abstracts, 65.
  27. **Ražić S.** & Radosavljević-Stevanović N. (2015, March). Chemometrics as powerful tool for determination of the origin of cannabis samples. *Archibald Reiss Days, Kriminalističko-policijska akademija*, Beograd, Srbija. ISBN 978-86-7020-190-3, (2015) Vol. II, 353-61. **Oral communication.**
  28. Krstić M., Spasojević Đ., **Ražić S.**, Vasiljević D. & Ibrić S. (2014, September). Influence of surfactants and adsorption carriers on drug release rate from solid drug delivery systems. *10<sup>th</sup> Central European Symposium on Pharmaceutical Technology*, Portorož, Slovenia. *Farmaceutski vestnik*, 65, 154-156.

29. Agatonovic-Kustrin S., Hettiaracchi C., Morton D. & **Razic S.** (2014, July). HPTLC quantification of phenolics in wine using high resolution plate imaging. *International Symposium for High-Performance Thin-Layer Chromatography (HPTLC 2014)*, Lyon, France. Book of Abstracts, 53.
30. Agatonovic-Kustrin S., **Razic S.**, Radosavljevic-Stevanovic N. & Morton D. (2014, April). A chemometrics approach to the analysis of *Cannabis sativa* samples. Metals and organic compounds in the biosynthesis of cannabinoids. *5<sup>th</sup> FIP Pharmaceutical Sciences World Congress*, Melbourne, Australia. Abstracts, id no. 956.
31. Krstić M., Momčilović M., **Ražić S.**, Vasiljević D. & Ibrić S. (2014, March-April). Optimization of drug release from solid self-emulsifying drug delivery systems by means of mixture experimental design. *9<sup>th</sup> World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology*, Lisbon, Portugal. E-Book of Abstracts.
32. **Ražić S.**, Arsenijević J., Marković J. & Šoštarić I. (2013, August). Metals and volatile organic compounds in thyme samples – from spectroscopy and chromatography via chemometrics to biosynthesis. *Euroanalysis XVII*, Warsaw, Poland. Book of Abstracts, 95. **Oral communication.**
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39. **Ražić S.** (2009, September). Model case study: Basic chemometric approach to the determination of metal content in some environmental samples. *Euroanalysis XV*, Innsbruck, Austria. Abstracts, S04. **Oral communication.**
40. **Razic S.** & Djogo S. (2009, October). Sample preparation approach to assess the bioavailability of chromium to plants. *6<sup>th</sup> International conference Instrumental Methods of Analysis, Modern Trends and Applications*, Athens, Greece. Book of Abstracts, 61. **Oral communication.**
41. Djogo S., Manojlovic D. & **Razic S.** (2008, April). A comparative study of copper levels in the soil from plantation of medicinal plants. *European Geosciences Union EGU, General Assembly*, Vienna, Austria. Geophysical Research Abstracts, Vol. 10, EGU2008-A-00851.
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43. Djogo S. & **Razic S.** (2008, May). Determination of nickel content in medicinal plants and soil samples and risk assessment. *5<sup>th</sup> Symposium Chemistry and Environmental Protection*, Tara, Serbia, Book of Abstracts, 122 – 123.
44. Djogo S. & **Razic S.** (2008, December). Analysis of Chromium in Evaluation of Bioavailability and Risk Assessment. *9<sup>th</sup> European Meeting on Environmental Chemistry*, Girona, Spain, Book of Abstracts, 80.
45. **S. Ražić S.** & Onjia A. (2007, September). Chemometric Analysis of Multielement Composition of Wines from Central Balkan. *Euroanalysis XIV*, Antwerp, Belgium, Book of Abstracts, OS1-7. **Oral communication.**
46. Marosanovic B., Kilibarda V. & **Razic S.** (2007, October). Multivariate Data Visualization Methods Based on Elemental Analysis of Herbal Drugs by ICP-MS. *A Joint Conference on Trace Elements in Diet, Nutrition and health: Essentiality and Toxicity*, Crete, Greece, Book of Abstracts.
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49. Basić Z., Kilibarda V., Maksimović M. & **Ražić S.** (2005, June). The B2 vitamin content in liver paste – is enzym hydrolysis application necessary? *29<sup>th</sup>*

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  51. **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, Book of abstracts, 111. **Invited lecture.**
  52. Đogo S., **Ražić S.** & Slavković L. (2005, December). Herbal drugs originating from medicinal plants of the family *Lamiaceae*. *The sixth European Meeting on Environmental Chemistry*, Belgrade, Serbia and Montenegro, Book of abstracts, 188.
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  54. **Ražić S.**, Đogo S., Slavković L. & Popović A. (2004, September). Trace and minor elements determination in some herbal drugs by FAAS. *7<sup>th</sup> International conference of physical chemistry*, Belgrade, Serbia and Montenegro, Proceedings, Vol. II, 679-681.
  55. **Ražić S.**, Đogo S., Onjia A. & Slavković L. (2004, July). Energy dispersive x-ray fluorescence spectrometry as a powerful tool in phytopharmacy. *4<sup>th</sup> International Conference of Chemical Societies of the South-East European Countries*, Belgrade, Serbia and Montenegro, Book of Abstracts, Vol. II, 52.
  56. **Ražić S.**, Đogo S., Popović A., Slavković L. & Onjia A. (2004, September). Determination of metal content in some herbal drugs – empirical and chemometrics approach. *Euroanalysis XIII*, Salamanca, Spain, Book of Abstracts, OS1-7. **Oral communication.**
  57. **Ražić S.**, Holclajtner-Antunović I. & Todorović M. (2003, September). The influence of ethanol addition on spatial emission distribution of traces in vertical argon stabilized dc arc plasma. *Colloquium Spectroscopicum Internationale XXXIII*, Granada, Spain, Book of Abstracts, 381.
  58. Milosavljević M., Jovanović B. & **Ražić S.** (2003, September). Spectroscopic analysis of some new thiono- and thiolo-carbamates. *Colloquium spectroscopicum internationale XXXIII*, Granada, Spain, Book of Abstracts, 656.



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63. Milosavljević M., Jovanović B., Obradović M. & **Ražić S.** (2002, September). Kinetics approach to the reaction of synthesis of *N*-alkil-*O*-ethylthiocarbamate and *N,N*-dialkyl-*O*-ethylthiocarbamate. *Euroanalysis XII*, Dortmund, Germany, Book of Abstracts, 362.
64. **Ražić S.**, Iđaković Z. & Potkonjak B. (2002, September). Trace elements analysis of *Echinacea purpurea*-herbal medicinal. *Euroanalysis XII*, Dortmund, Germany, Book of Abstracts, 573.
65. Holclajtner-Antunović I., Todorović M., Plamenac Z., **Ražić S.** & Milićević V. (2002, September). Investigation of matrix effect on trace element spectrochemical determination in biscuits. *3<sup>th</sup> International Conference of the Chemical Societies of the South-Eastern European Countries*, Bucharest, Romania, Book of Abstracts, Vol. II, 333.
66. Đorđević S., Runjajić-Antić D. & **Ražić S.** (2002, October-November). Ispitivanje kvaliteta komercijalnih uzoraka kantariona i glova. *10<sup>th</sup> Yugoslav Congress with international participation*, Belgrade, Serbia, Arhiv za farmaciju, (2002) 4, 821.
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70. **Ražić S.**, Basić Z., Todorović M., Holclajtner-Antunović I. & Maksimović M. (2000, September). Trace elements and vitamins in baby biscuits – analytical aspect. *Euroanalysis XI*, Lisboa, Portugal, Book of Abstracts, P-247.
71. Vujanović D., Plamenac Z., **Ražić S.** & Simović P. (2000, November). Toxic metals speciation in river Tisa. *3<sup>rd</sup> International Conference of Balkan Environmental Association (B.E.N.A.)*, Bucharest, Romania, Abstracts, 105-106.
72. **Ražić S.**, Basić Z., Todorović M., Holclajtner-Antunović I. & Bodiroga M. (1999, September). ICP-AES and HPLC – a powerful tool for wine analysis. *FIP, World Congress of Pharmacy*, Barcelona, Spain, Abstracts, 59.
73. **Ražić S.**, Holclajtner-Antunović I., Todorović M. & Tripković M. (1998, September). The influence of ethanol addition on plasma composition in argon stabilized dc. Arc. *4<sup>th</sup> International Conference on Fundamental and Applied Aspects of Physical Chemistry*, Belgrade, Serbia, Papers, 113-115.
74. **Ražić S.**, Holclajtner-Antunović I., Todorović M. & Stoiljković M. (1998, June). Possibilities of argon stabilized d.c. arc for trace element determination in wines. *1<sup>st</sup> International Conference on Chemical Sciences and Industry*, Halkidiki, Greece, Book of Abstracts, Vol. I, PO521.
75. **Ražić S.**, Todorović M., Holclajtner-Antunović I., Basić Z. & Kandić A. (1998, September). Determination of Pb and Cd in wines by ETAAS and DPSV. *Euroanalysis X*, Basel, Switzerland, Abstract Book, 408.
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77. **Ražić S.**, Todorović M. & Holclajtner-Antunović I. Possibilities of trace elements determination in wines. *Second Yugoslav Congress of Pharmacy with International Participation*, Belgrade, Serbia, Arhiv za farmaciju, Abstracts, 996-997.
78. Holclajtner-Antunović I., **Ražić S.**, Todorović M., Stoiljković M. & Milićević V. (1997, June). The influence of ethanol on determination of trace elements in argon stabilised d.c. arc. *International Congress on Analytical Chemistry*, Moscow, Russia, Abstracts, vol.2, L-62.

79. Todorović M., Holclajtner-Antunović I., Iđaković Z. & **Ražić S.** (1996, September). Determination of trace elements in ethanol-water mixture. *Euroanalysis IX*, Bologna, Italy, Book of Abstracts, 399.
80. Todorović M., Holclajtner-Antunović I., **Ražić S.** & Iđaković Z. (1996, September). Influence of dioxane addition on the analytical capabilities of ICP-AES. *Euroanalysis IX*, Bologna, Italy, Book of Abstracts, 169.
81. Novaković J., Tvrzicka E. & **Ražić S.** (1996, September). TLC and HPLC determination of bile acids in pharmaceuticals. *FIP, World Congress of Pharmacy '96*, Jerusalem, Israel, Abstracts, 185.
82. **Ražić S.**, Karljiković-Rajić K. & Rajković M. (1996, September). Spectrophotometric determination of fluoride in dosage forms and dental preparations. *FIP, World Congress of Pharmacy '96*, Jerusalem, Israel, Abstracts, 176.
83. Karljiković-Rajić K., Rajković M., **Ražić S.** & Stepanov D. (1996, September). Potentiometric titrations using silver indicator electrode for the assay of pralidoxime in pharmaceutical preparations. *FIP, World Congress of Pharmacy '96*, Jerusalem, Israel, Abstracts, 173.
84. Todorović M., Holclajtner-Antunović I., Ilić Z. & **Ražić S.** (1995, September). The influence of ethanol addition on the determination of trace elements in aqueous solutions by ICP. *XXIX Colloquium Spectroscopicum Internationale*, Leipzig, Germany, Book of Abstracts, 181.

#### **Domestic conferences and presentations (Proceedings and Abstracts)**

1. Vesković J, Miletić A, **Ražić S** & Onjia A. (2023, June). Quality assessment of groundwater in Banat plain using entropy-weighted water quality index (EWQI). Book of Abstracts of the 59th Meeting of the Serbian Chemical Society; 2023 June 1-2; Novi Sad, Serbia. p. 48.
2. Đogo Mračević S., Krstić M., Jaćimović V., Popović M. & **Ražić S.** (2018, June). Determination of metals and metalloids in honey using inductively coupled plasma - optic emission spectrometry (ICP-OES). *55th Meeting of the Serbian Chemical Society*, Novi Sad, Srbija, Book of Abstracts, AH P01.
3. Krstić M., Radosavljević-Stevanović N. & **Ražić S.** (2018, June). ATR-FTIR/Chemometrics as powerful tool in analysis of heroin based drug mixtures, *55th Meeting of the Serbian Chemical Society*, Novi Sad, Srbija, Book of Abstracts, AH P02.
4. Cvetanović A., **Ražić S.**, Damjanović A., Zengin G., Uysal S., Zeković Z. & Švarc-Gajić J. (2018, June). Combining multidirectional perspectives to explain functional properties of aronia (*Aronia melanocarpa*): Chemical content and

- biological propensities. *55th Meeting of the Serbian Chemical Society*, Novi Sad, Srbija, Book of Abstracts, HTH P 01.
5. Krstić M., Ibrić S. & **Ražić S.** (2016, Januar). Karakterizacija čvrstih samo-mikroemulgujućih sistema sa karbamazepinom izrađenim sa poroznim adsorbenisima (Characterization of solid self-microemulsifying drug delivery systems of carbamazepine with porous adsorbents). *53. Savetovanje srpskog hemijskog društva*, Beograd, Srbija, Knjiga izvoda, AH O3, 14.
  6. Vukojević V, Đurđić S., **Ražić S.** & Mutić J. (2016, Januar). Određivanje sadržaja metala i izotopskog odnosa olova u zubima ICP-QMS metodom (Determination of metal content and lead isotope ratios in human teeth by ICP-QMS). *53. Savetovanje srpskog hemijskog društva*, Beograd, Srbija, Knjiga izvoda, AH P13, 27.
  7. Ćurčić M., Ivić B., **Ražić S.**, Đukić-Ćosić D., Antonjević E. & Antonijević B. (2014, September). Pharmaceutical waste in the environment. *1st Symposium with international participation State and prospects of pharmaceutical and medical waste*, Palić, Serbia, Proceedings, P.36-40.
  8. Bušatlić A., Krstić M., Basić Z. & **Ražić S.** (2012, oktobar-novembar). Analiza šećera u voćnim sokovima primenom visokoeffikasne tečne hromatografije. *12. Kongres o ishrani sa međunarodnim učešćem*, Beograd, Srbija, Knjiga izvoda, ISBN: 978-86-909633-2-4, 318.
  9. Đogo S., **Ražić S.**, Manojlović D. & Slavković L. (2010, april). Analiza šestovalentnog hroma u biljkama uz procenu biorasploživosti i potencijalne toksičnosti. *XLVIII Savetovanje Srpskog hemijskog društva*, Novi Sad, Srbija, Knjiga izvoda radova, 17.
  10. Đogo S., Manojlović D. & **Ražić S.** (2008, oktobar). Specijaciona analiza hroma u zemljištu i uzorcima pitome nane, *Mentha piperita* (Speciation Analysis of Chromium in Soil and Plant Samples *Menthae piperitae*). *XXVIII Symposium for Medicinal and Aromatic Plants*, Vršac, Srbija, Zbornik Apstrakata, 46.
  11. **Ražić S.**, Đogo S., Slavković L. & Popović A. (2005, januar). Neorganska analiza biljne droge *Hyperici herba* (*Hypericum perforatum* L.). *XLIII Savetovanje srpskog hemijskog društva*, Beograd, Srbija, Izvodi radova, 43-46.
  12. **Ražić S.**, Đogo S., Onjia A. Slavković L. & Popović A. (2004, septembar). Analiza neorganskih komponenti u biljkama familije Lamiaceae. *XXVI Savetovanje o lekovitim i aromatičnim biljkama*, Bajina Bašta, Srbija i Crna Gora, Zbornik rezimea, 162.
  13. Runjajić-Antić D., Đorđević S., **Ražić S.**, Đogo S. & Slavković L. (2004, septembar). Određivanje sadržaja hipericina i mineralnih materija u komercijalnim uzorcima droge *Hyperici herba*. *XXVI Savetovanje o lekovitim i aromatičnim biljkama*, Bajina Bašta, Srbija i Crna Gora, Zbornik rezimea, 176.

14. **Ražić S.** & Onjia A. (2003, januar). Analiza mikro i makro elemenata u biljnim uzorcima atomsko apsorpcionom spektrometrijom. *XLI Savetovanje srpskog hemijskog društva*, Beograd, Srbija i Crna Gora, Izvodi radova, 31.
15. Todorović M., Holclajtner-Antunović I., **Ražić S.**, Kandić A. & Marković D. (1999, oktobar). Determination of Pb in wine by d.c. arc and ETAAS. *12. Jugoslovensko savetovanje o opštoj i primenjenoj spektroskopiji*, Beograd, Jugoslavija, Knjiga abstrakta, 56-57.
16. Čupić S., Iđaković Z., **Ražić S.** & Onjia A. (1998, novembar). Određivanje bakra u vinu metodom elektrotermalne atomske apsorpcione spektrofotometrije. *IV Savetovanje industrije alkoholnih i bezalkoholnih pića i sirćeta*, Vrnjačka Banja, Jugoslavija, Zbornik radova, 107-112.
17. **Ražić S.**, Todorović M., Holclajtner-Antunović I., Iđaković Z. & Kandić A. (1998, novembar). Upoređivanje metoda za određivanje tragova metala u vinima. *IV Savetovanje industrije alkoholnih i bezalkoholnih pića i sirćeta*, Vrnjačka Banja, Jugoslavija, Zbornik radova, 103-106.
18. **Ražić S.**, Stoiljković M., Holclajtner-Antunović I. & Todorović M. (1996, jun). Uticaj etanola na analitičke osobine argonom stabilisanog luka. *XXXVIII Savetovanje hemičara SR Srbije*, Beograd, Jugoslavija, Izvodi radova, 169.
19. Todorović M., Holclajtner-Antunović I., Ilić Z. & **Ražić S.** (1995, jun). Mogućnosti određivanja tragova elemenata u smešama etanol-voda pomoću ISAP. *11 Jugoslovensko savetovanje o opštoj i primenjenoj spektroskopiji*, Novi Sad, Jugoslavija, Knjiga izvoda, 44. **Usmeno izlaganje.**
20. Antić J., Urošević M., Dušić Ž. & **Ražić S.** (1990, maj). Određivanje sadržaja gvožđa u Fedex-u. *XXIII Susreti studenata Farmaceutskih fakulteta Jugoslavije*, Crikvenica, Jugoslavija, Zbornik.
21. Dušić Ž. & **Ražić S.** (1989, januar). Analiza perjordne oksidacije pentoza metodom spektrofotometrije. *XXXI Savetovanje hemičara SR Srbije*, Beograd, Jugoslavija, Izvodi radova.
22. **Ražić S.** & Dušić Ž. (1989, jun). Spektrofotometrijska metoda za određivanje mravlje kiseline u rastvoru koji preostaje posle perjordne 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.
23. Dušić Ž. & **Ražić S.** (1989, jun). Spektrofotometrijska metoda za određivanje mravlje kiseline u perjordnoj oksidaciji arabinoze i ksiloze. *X Jugoslovensko savetovanje o opštoj i primenjenoj spektroskopiji i III Jugoslovenski simpozijum za molekularne nauke*, Ohrid, Jugoslavija, Abstracts, UV 24.

24. **Ražić S.** & Dušić Ž. (1989, oktobar). Određivanje mravlje kiseline u perjodnoj oksidaciji vicinalnih poliola i Monosaharida. *XI Savetovanje hemičara i tehnologa Makedonije*, Skopje, Jugoslavija, Abstracts, B1-7.
25. **Ražić S.** & Dušić Ž. (1988, jun). Određivanje kiselina metodom spektrofotometrije. *Peti jugoslovenski simpozijum po analitička hemija*, Ohrid, Jugoslavija, Izvodi Saopštenjata, SM.66.
26. **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.
27. **Ražić S.** & Dušić Ž. (1986, septembar). Analiza perjodne oksidacije 2-deoksi-D-riboze, II. *III Savetovanje hemičara i tehnologa Kosova i II Jugoslovenski simpozijum oretkim elementima*, Priština, Jugoslavija, Knjiga izvoda, 131.
28. Dušić Ž. & **Ražić S.** (1986, januar). Analiza perjodne oksidacije 2-deoksi-D-riboze. *XXVIII Savetovanje hemičara SR Srbije*, Beograd, Jugoslavija, Knjiga izvoda, 115.
29. Dušić Ž. & **Ražić S.** (1985, oktobar). Određivanje metil- $\alpha$ -D-glukopiranozida potenciometrijskom titracijom. *IV Jugoslovenski simpozijum o analitičkoj hemiji*, Split, Jugoslavija, Sinopsisi radova, 143.

#### Selected invited lectures on international and domestic conferences

1. **Ražić S.** Bakić T, Topić A, Lukić J & Onjia A. (2023, July). Greener Approach to Determination of Free Tryptophan iS,n Cold-pressed Oils by Reversed-Phase Dispersive Liquid-Liquid Microextraction and High-Performance Liquid Chromatography. Euroanalysis XXI; Geneva, Switzerland. **Keynote lecture.**
2. **Ražić S.** (2023, July). Between green and white analytical chemistry - Greener solvents, from solutions to applications in complex matrices. 38<sup>th</sup> International Conference on Solution Chemistry. Belgrade, Serbia. **Plenary lecture.**
3. **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.
4. **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.

5. **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).
6. **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.
7. **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*.
8. **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*.
9. **Ražić S.** & Arsenijević J. (2015, June). Biogenic volatile organic compounds (BVOCs), environmental impact and analytical challenges. *7<sup>th</sup> Symposium Chemistry and Environmental Protection - Enviro Chem, Palić, Srbija. Book of Abstracts, 50. Keynote lecture*.
10. **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*.
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12. **Ražić S.** (2015, april). Green chemistry - vision, dream or future which has already begun. *26. Aprilski dani za nastavnike hemije, Beograd, Srbija, Izvodi radova*.
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