

Curriculum Vitae

BILJANA ARSIC

ba432@ymail.com; biljana.arsic@pmf.edu.rs

Date of birth: **9 January 1980**

Nationality: **Serbian**

EDUCATION:

2012

PhD (Medicinal Chemistry), School of Pharmacy and Pharmaceutical Sciences, University of Manchester, United Kingdom. Supervisor: Dr Jill Barber, Thesis title: Macrolide antibiotics as anti-bacterial and potential anti-malarial medicines

2002

BSc+MSc (9.97/10.00) (Organic Chemistry), Department of Chemistry, Faculty of Sciences and Mathematics, University of Nis, Serbia. Supervisor: Dr Gordana Stojanovic, Work title: Osnovi organske hemije kroz odabrane probleme i zadatke (in Serbian)

ACADEMIC EXCELLENCE:

- ***Editorial responsibilities***

1. Reviewer: **PLOs One (3), Journal of Food Composition and Analysis (1), Journal of Food Measurement and Characterization (70), Environmental Monitoring and Assessment (2), Natural Product Communications (2), Letters in Organic Chemistry (1), Toxin Reviews (1), Open Chemistry (19), Particulate Science and Technology (1), International Conference on Residuals Science & Technology (2), Journal of Medical and Biological Science Research (2), Merit Research Journal of Medicine and Medical Sciences (1), Current Drug Targets (1), Journal of the Science of Food and Agriculture (2), Current Pharmaceutical Biotechnology (14), Waste Management (2), Net Journal of Agricultural Science (1), Journal of Molecular Modeling (1), Industrial Crops and Products (1), Journal of Agricultural Science and Food Technology (1), Acta Chimica Slovenica (1), Letters in Drug Design & Discovery (5), International Conference on Biological Information and Biomedical Engineering (1), Oriental Journal of Chemistry (2), Journal of Computational Systems Biology (1), Journal of Agricultural Science and Food Research (2), Fruits (1), Evidence-based**

**Complementary and Alternative Medicine (1), Pharmaceuticals (1),
Pharmaceutics (3), Molecules (12), Materials (1), Journal of Chemistry (1),
Journal of Physical Organic Chemistry (1), Chemical Papers (1),
Biomedicines (4), Toxics (1), Chemistry and Biodiversity (1), Processes (2),
International Journal of Molecular Sciences (4), Brain Sciences (1),
International Journal of Environmental Analytical Chemistry (1), Analytical
Letters (1), Foods (3), Journal of Food Science (1), etc.**

2. Member of the Editorial Advisory Board at **Open Chemistry, De Gruyter** (June 2023-)
3. Review Editor for section Clinical Toxicology at **Frontiers in Toxicology** (April 2022-).
4. Editor for Medicinal Chemistry in **Open Chemistry, De Gruyter** (February 2019-).
5. Deputy Editor at **Chemia Naissensis, Faculty of Sciences and Mathematics, University of Nis** (December 2018-).
6. Member of the editorial board at the **Journal of Food Measurement and Characterization, Springer** (May 2018-).
7. Associate Editor in **Open Chemistry, De Gruyter** (1 January 2015-1 June 2015).
8. Associate Editor in **Central European Journal of Chemistry, Springer** (1 August 2014-31 December 2014).
9. Member of the editorial board at the **Jacobs Journal of Veterinary Science and Research** (1 June 2014-1 June 2015).

- **Grants reviewing**

1. Research Fund (The Royal Society of Chemistry)
2. Sustainable Laboratories Grant (The Royal Society of Chemistry)
3. Laboratory Consolidator Grant 2023 (The Higher Education and Science Committee of the Republic of Armenia)

- **Grants and Scholarships**

1. Grant for the project ““Repurposing of approved drugs as candidates for the treatment of kala-azar: a computational study” (C23- 3732208591) obtained from **the Royal Society of Chemistry (RSC)** within *Researcher Collaborations Grant* scheme, January 2024-Jun 2024.
2. Participation at CA22105 - BEEkeeping products valorization and biomonitoring for the SAFETY of BEEs and HONEY (BeSafeBeeHoney), **COST Association**, 2023-

3. Participation on the project "Design of honey-based products of high nutritional and health values" funded by **the Innovation Fund** of the Republic of Serbia through the innovation voucher no. 1376, 2023.
4. Participation on the bilateral project of the **Ministry of Education, Science and Technological Development of the Republic of Serbia between Slovenia and the Republic of Serbia** "Identification of peptidomimetics taken from nanobodies which stabilize functional conformational state of β 2 adrenergic receptor (β 2AR)", project no. 337-00-21/2020-09/19.
5. Participation on the project "The development and the implementation of a method for the determination of the content of invertase in honey and honey products" funded by **the Innovation Fund** of the Republic of Serbia through the innovation voucher no. 888, 2021.
6. **FoodEnTwin** scholarship for taking part at "Metallomics: Food, feed and environmental applications with practical training" in Belgrade, Republic of Serbia (16th-20th June 2019).
7. **OPCW (Organization for the Prohibition of Chemical Weapons)** Scholarship for taking part at "Basic Analytical Chemistry Course for Women Chemists" in Rijswijk, The Netherlands (25th-29th June 2018).
8. **RSC (Royal Society of Chemistry)** Grant as a plenary speaker at 2nd Anglo-Croatian Medicinal Symposium on Macrocycles: medicinal chemistry and beyond-the-rule-of-five, 17th-18th October 2016, Zagreb, Croatia.
9. Participation on the project of **Ministry of Sciences, Education and Technological Development**, Republic of Serbia: Functional analysis, stochastic analysis and applications, 2011-2019, Republic of Serbia
10. Travel grant of **The University of Manchester** for taking part on the Indian Pharmaceutical Congress in New Delhi, India, 2008
11. Faculty Overseas Postgraduate Research Scholarship (**OPRS**) Award towards my tuition fee and living expenses (2007-2010), University of Manchester, United Kingdom
12. Participation on the project of **Ministry of Sciences and Environmental protection**, Republic of Serbia: Development and applying of methods for investigation of quality of industrial products and environment, 2006-2007, Republic of Serbia
13. Participation on the project of **Ministry of Sciences and Environmental protection**, Republic of Serbia: Isolation, characterization, pharmacological evaluation of natural compounds and synthesis of catalysts applying supercritical fluids, 2006-2007, Republic of Serbia
14. Scholarship for research at School of Pharmacy and Pharmaceutical Sciences, **University of Manchester**, Manchester, UK (2006).
15. Scholarship of the **British Scholarship Trust** (2005/2006).

16. The Scholarship of **UNESCO** (competitive award) to cover full expenses at 8th UNESCO School and IUPAC Conference on Macromolecules: Polymers for Africa (4-9th June 2005), Mauritius.
17. The Scholarship of **UNESCO** and **Marie Curie Fellowship** (competitive award) to cover full expenses at ESOF 2004 (25-28th August 2004), Stockholm.
18. The Scholarship of Trust for Chemistry Students "Ana Bjeletic and Ivan Markovic", Serbia, 2001/2002.
19. The Scholarship of **Ministry of Education** during my undergraduate study, Serbia, 1999-2002.
20. The Scholarship of **Ministry of Education** during my secondary school, Serbia, 1995-1999.
21. The Scholarship of **Nis City Council** during my secondary school, Serbia, 1996-1997.

- **Awards**

1. The Best Graduate Student at University of Nis, Serbia in 2002/2003.
2. The Best Graduate Student at Faculty of Sciences and Mathematics, University of Nis, Serbia in 2002/2003.
3. The Best Graduate Student at Department of Chemistry, Faculty of Sciences and Mathematics, University of Nis, Serbia in 2002/2003.
4. Publons Peer Review Awards 2018, For placing in the top 1% of reviewers in *Agricultural Sciences*, September 2018
5. The most cited researcher with a PhD in 2020 at the Department of Chemistry, Faculty of Sciences and Mathematics, University of Nis, Serbia
6. The researcher with a PhD with the highest number of published papers in 2020 at the Department of Chemistry, Faculty of Sciences and Mathematics, University of Nis, Serbia

- **Schools, Seminars and Courses**

1. 9th Mass Spectrometry School, The Mass Spectrometry in Environmental and Biochemical Analysis, 23. 10 - 27. 10. 2014, Nis, Republic of Serbia.
2. "Basic Analytical Chemistry Course for Women Chemists", 26. 6-28. 6. 2018, Rijswijk, The Netherlands.
3. "Metallomics: Food, feed and environmental applications with practical training", 17.6.-19.6.2019, Belgrade, Republic of Serbia.

WORK EXPERIENCE:

1. Teacher for the preparation of secondary school pupils from the Southeast Serbia for the various levels of chemistry competitions in Republic of Serbia (2001-2002)
2. Teaching Assistant at Department of Chemistry, Faculty of Sciences and Mathematics, University of Nis, Republic of Serbia (2003-2008)
3. Teaching Assistant, Technical and Exam Invigilator at School of Pharmacy and Pharmaceutical Sciences, University of Manchester, United Kingdom (2009-2011)
4. Research Associate at Department of Mathematics, Faculty of Sciences and Mathematics, University of Nis, Republic of Serbia (2011-2015)
5. Scientific Associate for Chemistry at Department of Mathematics, Faculty of Sciences and Mathematics, University of Nis, Republic of Serbia (2015-2019)
6. Scientific Associate for Chemistry at Faculty of Sciences and Mathematics, University of Nis, Republic of Serbia (2020)
7. Temporary Staff at Division of Pharmacy & Optometry; School of Health Sciences; Faculty of Biology, Medicine & Health; The University of Manchester, Manchester, United Kingdom (May 2022-May 2023)
8. Senior Research Associate at Department of Chemistry, Faculty of Sciences and Mathematics, University of Nis, Republic of Serbia (2020-)

STUDY VISITS

Institute for Computational Systems Biology, The University of Hamburg, Germany (16.4.2024-16.5.2024); Division of Pharmacy and Optometry, The University of Manchester, United Kingdom (October 2015-10 days, December 2015-1 month, March 2016-10 days, January 2018-3 days, September 2019-1 month, December 2019-10 days)

VOLONTEER WORK

1. Preparation of the secondary school pupils for the competitions in chemistry from Gymnasium "Bora Stankovic" Nis, Republic of Serbia (1999-2001)
2. Demonstrator in Analytical Chemistry I at Department of Chemistry, Faculty of Sciences and Mathematics, University of Nis, Republic of Serbia (2001-2002)
3. Demonstrator in Organic Synthesis at Department of Chemistry, Faculty of Sciences and Mathematics, University of Nis, Republic of Serbia (2002-2003)
4. Co-author of CD on Monastery of Saint Arhangel Gavril and villages Popsica and Pirkovac (Republic of Serbia), 2006

5. Receptionist at the Conference: **Genomes for Systems, the fourth conference of the consortium for post-genome science**, 17th-19th March 2008, Manchester, United Kingdom.
6. University of Manchester Alumni Ambassador (July 2018-).

MEMBERSHIPS

1. Full member at Sigma Xi, The Scientific Research Honor Society
2. Member at the Royal Society of Chemistry
3. Member at the Serbian Chemical Society
4. Member at the International High IQ Society

PUBLICATIONS

- **Books and chapters**

1. D. Dimitrijevic, **B. Arsic**, D. Kostic, Chapter 4: Medicinal uses of mulberry, *Mulberry: Genetic improvement in context of climate change*, CRC Press Boca Raton (ISBN: 978-0-429-39923-7 (ebk)), **2021**, 45-57.
2. **B. Arsic**, P. Novak, J. Barber, M. Grazia Rimoli, G. Kragol, F. Sodano, *Macrolides: Properties, Synthesis and Applications*, (ISBN: 978-3-11-051575-6), *De Gruyter*, **2018**, 104 pages. (citation: **9**; chapter: **2**)
3. B. Radovanovic, A. Radovanovic, **B. Arsic**, Chapter 1: A new chemometric approach to the fingerprinting analysis of grapes and wines based on phenolic profile and antimicrobial activities, *A closer look at grapes, wines and winemaking*, Nova Science Publishers New York (ISBN: 978-1-53613-288-5 (eBook)), **2018**, 1-41. (citation: **2**)
4. **B. Arsic**, D. Dimitrijevic, D. Kostic, Chapter 1: Mineral and vitamin fortification, *Nutraceuticals: nanotechnology in the agri-food industry volume 4* (ISBN: 9780128043059), *Elsevier*, **2016**, 1-40. (citation: **4**)
5. D. Glišin, G. Petrović, **B. Arsić**, *Organska sinteza: principi, koncepti, retroanaliza, sintoni*, Prirodno-matematički fakultet, Niš, **2013** (in Serbian).
6. N. Radulović, **B. Arsić**, *Zbirka rešenih zadataka iz organske hemije*, SKC, Niš, **2001** (in Serbian).

- **Papers published or accepted for publication in peer-reviewed journals in English (IF \geq 1)**

1. S. Petrović, D. Mitov, J. Mrmošanin, **B. Arsić**, A. Pavlović, S. Tošić, The national maize hybrid as a potential mediator in the contamination of the food

chain with heavy metals, accepted for publication at *International Journal of Environmental Analytical Chemistry* (**citation: 1**)

2. J. Krstić, J. Mrmošanin, A. Pavlović, M. Mitić, B. Stojanović, D. Paunović, D. Dimitrijević, **B. Arsić**, Computational and experimental investigations on the influence of different factors on the content of phenolic compounds from selected tea samples, *International Food Research Journal*, **2024**, 31(5), 1165-1184.
3. **B. Arsić**, D. Kostić, J. Mrmošanin, I. Zlatanović, S. Marković, S. Petrović, V. Stankov-Jovanović, S. Janković, I. Rašić Mišić, M. Mitić, A. Pavlović, S. Tošić, A. Georgijev, G. Stojanović, Quality control analyses of selected honey samples from Serbia based on their mineral and flavonoid profiles, and the invertase activity, *Open Chemistry*, **2024**, 22(1), 20240103.
4. J. Milićević, S. Petrović, S. Tošić, M. Vrecl, **B. Arsić**, Recent computer-aided studies on herbicides: a short review, *Chemistry & Biodiversity*, **2024**, 21(9), e202400531.
5. Đ. Glišin, O. Jovanović, G. Stojanović, A. Živković, D. Stojanović, M. Pavlović, **B. Arsić**, Synthesis of methyl 3,4-anhydro-6-bromo-2-O-tert-butylidimethylsilyl-6-deoxy- α -D-allopyranoside from α -D-glucose, *Journal of the Serbian Chemical Society*, **2024**, 89(9), 1123-1131.
6. D. Kostić, **B. B. Arsić**, S. Tošić, A. Pavlović, E. Pecev Marinković, M. Tasić, G. Stojanović, Chemometric and ICP-OES analyses of *Forsythia europaea* Degen & Bald. and its extracts, *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, **2024**, 52(1), 13544.
7. **B. Arsić**, S. Petrović, J. Mrmošanin, I. Dimitrijević, S. Tošić, G. Stojanović, S. Glišić, J. Milićević, Stability and computational analyses of selected pesticides in use in the Republic of Serbia, *Journal of the Serbian Chemical Society*, **2024**, 89(2), 259-274. (**citation: 1**)
8. M. Dimitrijević, Lj. Miladinović, M. Marković, **B. Arsić**, T. Mihajilov-Krstev, D. Miladinović, New facts on the antimicrobial essential oil of *Satureja kitaibelii*, *Chemistry & Biodiversity*, **2024**, 21(2), e202301418. (**citation: 1**)
9. J. Mrmošanin, A. Pavlović, I. Rašić Mišić, S. Tošić, S. Petrović, Z. Mitić, E. Pecev-Marinković, **B. Arsić**, Evaluation of an Inductively Coupled Plasma–Atomic Emission Spectrometry (ICP-AES) method for the determination of macro and microelements in *Trifolium* L. species, *Analytical Letters*, **2024**, 57(4), 558-571. (**citation: 1**)
10. N. Tomašević, M. Vujović, E. Kostić, V. Ragavendran, **B. Arsić**, S. L. Matić, M. Božović, R. Fioravanti, E. Proia, R. Ragno, M. Mladenović, Molecular docking assessment of cathinones as 5-HT_{2A}R ligands: developing of predictive structure-based bioactive conformations and three-dimensional

structure-activity relationships models for future recognition of abuse drugs, *Molecules*, **2023**, 28(17), 6236. **(citation: 1)**

11. S. Petrović, **B. Arsić**, I. Zlatanović, J. Milićević, S. Glišić, M. Mitić, R. Đurović-Pejčev, G. Stojanović, *In silico* investigation of selected pesticides and their determination in agricultural products using QuEChERS methodology and HPLC-DAD, *International Journal of Molecular Sciences*, **2023**, 24(9), 8003. **(citation: 2)**
12. J. D. Ickovski, **B. B. Arsić**, M. N. Mitić, M. B. Stojković, M. M. Đorđević, G. S. Stojanović, Chemometric approach to the composition of flavonoid compounds and phenolic acids and antioxidant potential of *Artemisia* species from different habitats, *Chemistry & Biodiversity*, **2022**, 19, e202200365. **(citation: 6)**
13. **B. Arsic**, J. Barber, A. Cikos, M. Kadirvel, E. Kostic, A. J. McBain, J. Milicevic, A. Oates, A. Regan, Computational studies on selected macrolides active against *Escherichia coli* combined with the NMR study of tylosin A in deuterated chloroform, *Molecules*, **2022**, 27 (21), 7280. **(citation: 1)**
14. J. Urošević, M. Mitić, **B. Arsić**, G. Stojanović, Optimization of the reaction conditions for the synthesis of 2,3,5-trimethylpyridine from 3-amino-2-methylpropenal and methylethylketone, *Journal of the Serbian Chemical Society*, **2022**, 87 (10), 1117-1123.
15. A. Snoussi, S. Bouacida, M. Mitić, **B. Arsić**, H. B. H. Koubaier, M. Chouaibi, S. Janković, I. Zlatanović, J. Mrmošanin, G. Stojanović, N. Bouzouita, Thermal degradation kinetics of myrtle leaves ethanol extract (*Myrtus communis* L.): effect on phenolic compounds content and antioxidant activity, *Journal of Food Measurement and Characterization*, **2022**, 16 (3), 2119-2130. **(citation: 3)**
16. V. Lukic, R. Micic, **B. Arsic**, M. Mitic, M. Jovanovic, A. Pavlovic, Identification of synthetic cannabinoid methyl 2-[[1-(cyclohexylmethyl)-1H-indol-3-yl]formamido]-3-methylbutanoate using modern mass spectrometry and nuclear magnetic resonance techniques, *Open Chemistry*, **2021**, 19, 1259-1273. **(citation: 1)**
17. P. K. Bhadra, R. N. Magwaza, N. Nirmalan, S. Freeman, J. Barber, **B. Arsic**, Selected derivatives of erythromycin B-*in silico* and anti-malarial studies, *Materials*, **2021**, 14(22), 6980. **(citation: 1)**
18. S. Jankovic, M. Mitic, **B. Arsic**, V. Stankov Jovanovic, The kinetic and thermodynamic studies of solid-liquid extraction of apigenin-glycosides from parsley (*Petroselinum crispum*), *Separation Science and Technology*, **2021**, 56(13), 2253-2265. **(citation: 6)**
19. V. Lukic, R. Micic, **B. Arsic**, B. Nedovic, Z. Radosavljevic, Overview of the major classes of new psychoactive substances, psychoactive effects,

- analytical determination and conformational analysis of selected illegal drugs, *Open Chemistry*, **2021**, 19, 60-106. (citation: 18)
20. M. Vujović, V. Ragavendran, **B. Arsić**, E. Kostić, M. Mladenović, DFT calculations as an efficient tool for prediction of Raman and infra-red spectra and activities of newly synthesized cathinones, *Open Chemistry*, **2020**, 18, 185-195. (citation: 14)
21. M. Mitić, S. Janković, P. Mašković, **B. Arsić**, J. Mitić, J. Ickovski, Kinetic models of the extraction of vanillic acid from pumpkin seeds, *Open Chemistry*, **2020**, 18, 22-30. (citation: 12)
22. S. Ručman, P. Intra, E. Kantarak, W. Sroila, T. Kumpika, J. Jakmune, W. Punyodom, **B. Arsić**, P. Singjai, Influence of the magnetic field on bandgap and chemical composition of zinc thin films prepared by sparking discharge process, *Scientific Reports*, **2020**, 10, 1388. (citation: 8)
23. Author correction: S. Ručman, P. Intra, E. Kantarak, W. Sroila, T. Kumpika, J. Jakmune, W. Punyodom, **B. Arsić**, P. Singjai, Influence of the magnetic field on bandgap and chemical composition of zinc thin films prepared by sparking discharge process, *Scientific Reports*, **2020**, 10, 4645.
24. V. N. Radovanovic, M. Andjelkovic, **B. Arsic**, A. Radovanovic, Lj. Gojkovic-Bukarica, Cost-effective ultrasonic extraction of bioactive polyphenols from vine and wine waste in Serbia, *South African Journal of Enology and Viticulture*, **2019**, 40(2), 172-180. (citation: 7)
25. S. Simonovic, D. Sejmanovic, R. Micic, **B. Arsic**, A. Pavlovic, S. Mitic, A. Jokic, A. Valjarevic, A. Micic, Chemometrics based on the mineral content as a tool for the assessment of the pollution of top soils, *Toxin Reviews*, **2019**, 38(2), 160-170. (citation: 1)
26. D. Kostic, **B. Arsić**, S. Ranđelović, A. Pavlovic, S. Tomic, G. Stojanovic, Correlation analysis of heavy metals contents of *Malva sylvestris* L. plant and its extracts from polluted and non-polluted locations in Nis, Republic of Serbia, *Water, Air, & Soil Pollution*, **2019**, 230(5), article: 98. (citation: 7)
27. V. Ragavendran, S. Muthunatesan, V. Santhanam, **B. Arsic**, Synthesis and characterization of cinnamylidene acetone-A study on tuning of band gap by vibrational spectroscopic tools, *Journal of Molecular Structure*, **2019**, 1184, 593-603. (citation: 7)
28. E. Kostić, **B. Arsić**, M. Mitić, D. Dimitrijević, E. Pecev Marinković, Optimization of the solid-liquid extraction process of phenolic compounds from mulberry fruit, *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, **2019**, 47 (3), 629-633. (citation: 7)
29. M. Mladenović, **B. B. Arsić**, N. Stanković, N. Mihović, R. Ragno, A. Regan, J. S. Milićević, T. M. Trtić-Petrović, R. Micić, The targeted pesticides as acetylcholinesterase inhibitors: comprehensive cross-organism molecular

- modelling studies performed to anticipate the pharmacology of harmfulness to humans *in vitro*, *Molecules*, **2018**, 23, 2192. (citation: 45)
30. **B. Arsic**, J. Barber, A. Čikoš, M. Mladenovic, N. Stankovic, P. Novak, 16-Membered macrolide antibiotics-a review, *International Journal of Antimicrobial Agents*, **2018**, 51, 283-298. (citation: 136)
 31. V. N. Miljkovic, G. S. Nikolic, J. Zvezdanovic, T. Mihajlov-Krstev, **B. B. Arsic**, M. N. Miljkovic, Phenolic profile, mineral content and antibacterial activity of the methanol extract of *Vaccinium myrtillus* L., *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, **2018**, 46 (1), 122-127. (citation: 14)
 32. B. Stojanović, S. Mitić, G. Stojanović, M. Mitić, D. Kostić, D. Paunović, **B. Arsić**, A. Pavlović, Phenolic profiles and metal ions analyses of pulp and peel of fruits and seeds of quince (*Cydonia oblonga* Mill.), *Food Chemistry*, **2017**, 232, 466-475. (citation: 39)
 33. **B. Arsic**, J. A. Aguilar, R. A. Bryce, J. Barber, Conformational study of tylosin A in water and full assignments of ¹H and ¹³C spectra of tylosin A in D₂O and tylosin B in CDCl₃, *Magnetic Resonance in Chemistry*, **2017**, 55(4), 367-373. (citation: 6)
 34. A. Radovanovic, **B. Arsic**, V. Radovanovic, B. Jovancicevic, V. Nikolic, Broad spectrum of antimicrobial properties of commercial wines from different *Vitis vinifera* L. varieties, *World Journal of Microbiology and Biotechnology*, **2017**, 33(1), article: 18. (citation: 4)
 35. A. N. Pavlovic, J. M. Mrmosanin, J. N. Krstic, S. S. Mitic, S. B. Tosic, M. N. Mitic, **B. B. Arsic**, R. J. Micic, Effect of storage temperature on the decay of catechins and procyanidins in dark chocolate, *Czech Journal of Food Science*, **2017**, 35 (4), 360-366. (citation: 7)
 36. P. K. Bhadra, A. Hassanzadeh, **B. Arsic**, D. G. Allison, G. A. Morris, J. Barber, Enhancement of the properties of a drug by mono-deuteration: reduction of acid-catalysed formation of a gut-motilide enol ether from 8-deuterio-erythromycin B, *Organic & Biomolecular Chemistry*, **2016**, 14, 6289-6296. (citation: 12)
 37. A. Radovanovic, B. Jovancicevic, **B. Arsic**, B. Radovanovic, Lj. Gojkovic Bukarica, Application of non-supervised pattern recognition techniques to classify Cabernet Sauvignon wines from the Balkan region based on individual phenolic compounds, *Journal of Food Composition and Analysis*, **2016**, 49, 42-48. (citation: 12)
 38. B. T. Stojanovic, S. S. Mitic, G. S. Stojanovic, M. N. Mitic, D. A. Kostic, D. Dj. Paunovic, **B. B. Arsic**, Phenolic profile and antioxidant activity of pulp and peel from peach and nectarine fruits, *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, **2016**, 44 (1), 175-182. (citation: 30)

39. R. Micic, S. Mitic, **B. Arsic**, A. Jokic, M. Mitic, D. Kostic, A. Pavlovic, M. Cekerevac, Lj. Nikolic-Bujanovic, Z. Spalevic, Statistical characteristics of selected elements in vegetables from Kosovo, *Environmental Monitoring and Assessment*, **2015**, article: 389. (citation: 7)
40. S. S. Randjelovic, D. A. Kostic, **B. B. Arsic**, S. S. Mitic, I. D. Rasic, M. N. Mitic, D. S. Dimitrijevic, G. S. Stojanovic, Chemometric analysis of grapes, *Open Chemistry*, **2015**, 13, 675-682. (citation: 4)
41. S. Stojiljkovic, M. Stamenkovic, D. Kostic, M. Miljkovic, **B. Arsic**, I. Savic, I. Savic, Investigations of the changes in the bentonite structure caused by the different treatments, *Science of Sintering*, **2015**, 47 (1), 51-59. (citation: 9)
42. **B. Arsic**, A. Awan, R. Brennan, J. Aguilar, R. Ledder, A. J. McBain, A. C. Regan, J. Barber, Theoretical and experimental investigation on clarithromycin, erythromycin A and azithromycin and descladinosyl derivatives of clarithromycin and azithromycin with 3-O-substitution as anti-bacterial agents, *MedChemComm*, **2014**, 5(9), 1347-1354. (citation: 19)
43. V. Miljkovic, **B. Arsic**, G. Nikolic, Lj. Nikolic, B. Kalicanin, V. Savic, Interactions of metronidazole with other medicines: a brief review, *Die Pharmazie*, **2014**, 69, 571-577. (citation: 15)
44. S. S. Randjelovic, D. A. Kostic, G. S. Stojanovic, S. S. Mitic, M. N. Mitic, **B. B. Arsic**, A. N. Pavlovic, Metals content of soil, leaves and wild fruit from Serbia, *Central European Journal of Chemistry*, **2014**, 12 (11), 1144-1151. (citation: 9)
45. S. Stojiljkovic, V. Miljkovic, G. Nikolic, D. Kostic, **B. Arsic**, J. Barber, I. Savic, I. Savic, The influence of the addition of polymers on the physico-chemical properties of bentonite suspensions, *Science of Sintering*, **2014**, 46 (1), 65-73. (citation: 7)
46. S. Stojiljkovic, M. Stamenkovic, D. Kostic, M. Miljkovic, **B. Arsic**, I. Savic, I. Savic, V. Miljkovic, The influence of organic modification on the structural and adsorptive properties of bentonite clay and its application for the removal of lead, *Science of Sintering*, **2013**, 45 (3), 363-376. (citation: 9)
47. D. A. Kostic, J. M. Velickovic, S. S. Mitic, M. N. Mitic, S. S. Randjelovic, **B. B. Arsic**, A. N. Pavlovic, Correlation among phenolic, toxic metals and antioxidant activity of the extracts of plant species from Southeast Serbia, *Bulletin of the Chemical Society of Ethiopia*, **2013**, 27 (2), 169-178. (citation: 7)
48. M. Kadirvel, W. T. Stimpson, S. Moumene-Afifi, **B. Arsic**, N. Glynn, Nigel Halliday, P. Williams, P. Gilbert, A. J. McBain, S. Freeman, J. M. Gardiner, Synthesis and bioluminescence-inducing properties of autoinducer (S)-4,5-dihydroxypentane-2,3-dione and its enantiomer, *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20 (8), 2625-2628. (citation: 16)

49. P. Novak, J. Barber, A. Cikos, **B. Arsic**, J. Plavec, G. Lazarevski, P. Tepes, N. Kosutic-Hulita, Free and bound state structures of 6-O-methyl homoerythromycins and epitope mapping of their interactions with ribosomes, *Bioorganic and Medicinal Chemistry*, **2009**, 17 (16), 5857-5867. (citation: 30)
 50. S. Mitic, A. Pavlovic, S. Tosic, **B. Arsic**, S. Sunaric, Quantitative analysis of glycine in commercial dosage forms by kinetic spectrophotometry, *Journal of Analytical Chemistry*, **2009**, 64 (7), 683-689. (citation: 4)
 51. M. Kadirvel, **B. Arsic**, S. Freeman, E.V. Bichenkova, Exciplex and excimer molecular probes: detection of conformational flip in a *myo*-inositol chair, *Organic & Biomolecular Chemistry*, **2008**, 6 (11), 1966-1972. (citation: 12)
 52. M. Kadirvel, A. Gbaj, D. Mansell, S. M. Miles, **B. Arsic**, E.V. Bichenkova, S. Freeman, Conformational probe: static quenching is reduced upon acid triggered ring flip of a *myo*-inositol derivative, *Tetrahedron*, **2008**, 64 (23), 5598-5603. (citation: 7)
 53. S. Mitic, G. Miletic, D. Kostic, D. Naskovic-Dokic, **B. Arsic**, I. Rasic, A rapid and reliable determination of doxycycline hyclate by LC with UV detection in pharmaceutical samples, *Journal of the Serbian Chemical Society*, **2008**, 73 (6), 665-671. (citation: 29)
 54. S. Mitic, G. Miletic, A. Pavlovic, **B. Arsic**, V. Zivanovic, Quantitative analysis of ibuprofen in pharmaceuticals and human control serum using kinetic spectrophotometry, *Journal of the Serbian Chemical Society*, **2008**, 73 (8-9), 879-890. (citation: 16)
 55. I. Gutman, **B. Arsic**, M. Denic, I. Stojanovic, Benzenoid isomers with greatest and smallest Kekule structure counts, *Journal of the Serbian Chemical Society*, **2006**, 71 (7), 785-791. (citation: 5)
 56. I. Gutman, B. Furtula, **B. Arsić**, Ž. Bošković, On the relation between Zenkevich and Wiener indices of alkanes, *Journal of the Serbian Chemical Society*, **2004**, 69 (4), 265-271. (citation: 5)
 57. I. Gutman, B. Furtula, **B. Arsić**, On structure descriptors related with intramolecular energy of alkanes, *Zeitschrift für Naturforschung A*, **2004**, 59a, 694-698. (citation: 4)
 58. I. Gutman, **B. Arsić**, B. Furtula, Equiseparable chemical trees, *Journal of the Serbian Chemical Society*, **2003**, 68 (7), 549-555. (citation: 7)
- **Papers published in peer-reviewed journals in English (IF<1)**
 1. **B. Arsić**, J. Mrmošanin, S. Petrović, D. Kostić, A. Pavlović, S. Tošić, A. Georgijev, Creation of products made from honey based on the content of elements determined by ICP OES, *Environmental Science and Pollution Research*, **2024**, 31(28), 40530-40537. (citation: 1)

2. Đ. Glišin, Lj. Jelenković, N. Pejković, D. Dimitrijević, J. Voinović, S. Stanković, **B. Arsić**, D-Glucurono-6,3-lactone as an interesting compound in the synthetic chemistry of carbohydrates related targets, *Advanced Technologies*, 12 (1), **2023**, 84-88.
3. S. Petrović, J. Mrmošanin, **B. Arsić**, A. Pavlović, S. Tošić, Uptake of some heavy metal(oid)s by sunflower, *Chemia Naissensis*, 5 (2), **2022**, 73-84.
4. I. D. Rasic Mistic, S. B. Tomic, E. T. Pecev-Marinkovic, D. A. Kostic, **B. B. Arsic**, Kinetic-spectrophotometric approach to the ampicillin hydrolytic degradation applied for the histidine determination, *FACTA UNIVERSITATIS, Series: Physics, Chemistry and Technology*, 20 (1), **2022**, 41-54.
5. D. Dimitrijevic, D. Kostic, D. Paunovic, M. Mitic, J. Krstic, I. Rasic Mistic, **B. Arsic**, Antimicrobial activity and the quantitative analyses of phenolic compounds and heavy metals of red mulberry extracts (*Morus rubra* L.) from Serbia, *Studia UBB Chemia*, LXVII (1), **2022**, 195-207. (citation: 2)
6. D. Kostic, **B. Arsic**, J. Mrmosanin, S. Spasic, A. Georgijev, Determination of the invertase activity in honey samples as the indicator of the authenticity of honey by UV/VIS spectrophotometric method, *Chemia Naissensis*, **2021**, 4(2), 93-103.
7. S. S. Petrovic, J. M. Mrmosanin, **B. B. Arsic**, Extraction of selected elements from commercial fertilizers, *Chemia Naissensis*, **2021**, 4(2), 77-88.
8. **B. B. Arsic**, J. V. Urosevic, M. M. Mitic, Application of Huckel Molecular Orbital theory (HMO) on hetero-conjugated molecule, 3-aminopropenal, *Revista de Chimie*, **2020**, 71(3), 460-465.
9. S. S. Mitić, B. T. Stojanović, M. N. Mitić, A. N. Pavlović, **B. Arsić**, V. Stankov-Jovanović, Multi-element analysis of methanol apple peel extracts by inductively coupled plasma-optical emission spectrometry, *Chemia Naissensis*, **2020**, 3(2), 67-84.
10. V. M. Miljkovic, B. S. Djordjevic, **B. Arsic**, M. S. Markovic, Lj. B. Nikolic, Z. B. Todorovic, G. S. Nikolic, *Sambucus racemosa* L. fruit extracts obtained with conventional and deep eutectic solvents, *FACTA UNIVERSITATIS, Series: Physics, Chemistry and Technology*, **2020**, 18(2), 89-97.
11. **B. Arsic**, B. Furtula, M. Randjelovic, Evaluation of the constructed 3D models of RNAs: a review, *FACTA UNIVERSITATIS, Series: Physics, Chemistry and Technology*, **2020**, 18(1), 39-45.
12. D. Kostic, **B. Arsic**, M. Mitic, S. Mitic, M. Markovic, G. Stojanovic, Determination of optimal extraction parameters of polyphenols from *Forsythia europaea* Degen & Bald. bloom using response surface methodology, *Studia UBB Chemia*, **2020**, LXV, 3, 203-214. (citation: 1)

13. M. Mirić, **B. Arsić**, M. Đorđević, D. Đorđević, D. Gusković, S. Ivanov, Principal component analysis and thermomechanical preference of white Au alloys without Ag, *Studia UBB Chemia*, **2020**, LXV, 1, 163-176.
14. **B. Arsic**, J. Barber, *In silico* study on the apicoplast L4 ribosomal protein and three domains from 23S rRNA from *Plasmodium falciparum* and comparison with the existing co-crystal structures, *Chemia Naissensis*, **2019**, 2 (2), 50-61.
15. J. M. Velickovic, M. N. Mitic, **B. B. Arsic**, D. Đ. Paunovic, B. T. Stojanovic, J. N. Veljkovic, D. S. Dimitrijevic, S. D. Stevanovic, D. A. Kostic, HPLC analysis of extracts of fresh petals of *Papaver rhoeas* L., *Studia UBB Chemia*, **2019**, LXIV, 3, 239-247. **(citation: 7)**
16. D. A. Kostic, S. Mitic, M. Mitic, E. Pecev Marinkovic, I. Rasic Mistic, **B. Arsic**, G. Stojanovic, A new kinetic method using UV-VIS spectrophotometry for determination of caffeic acid in propolis, *Journal of Food Safety and Food Quality*, **2019**, 70 (4), 111-116. **(citation: 2)**
17. R. Micic, A. Jokic, R. Simonovic, **B. Arsic**, M. Mitic, T. Galonja-Coghill, M. Cekerevac, Lj. Nikolic-Bujanovic, Application of electrochemically synthesized ferrates (VI) for the removal of Th (IV) from natural water samples, *Journal of Water Chemistry and Technology*, **2019**, 41 (2), 101-104.
18. V. Miljkovic, G. Nikolic, Tatjana M. Mihajilov-Krstev, **B. Arsic**, Antibacterial activities of fruits extracts of three mulberry species (*Morus alba* L., *Morus rubra* L. and *Morus nigra* L.) and bilberry (*Vaccinium myrtillus* L.), *Acta Medica Medianae*, **2018**, 57 (3), 5-12.
19. D. Kostic, S. Randjelovic, **B. Arsic**, S. Mitic, M. Mitic, S. Tosic, G. Stojanovic, Chemometric comparison of mineral content in different grape fruits growing in Serbia, *Journal of Food Safety and Food Quality*, **2017**, 68 (6), 140-145. **(citation: 2)**
20. **B. Arsic**, D. Kostic, S. Randjelovic, B. Radovanovic, S. Sunaric, S. Ilic, Chemometric analysis of selected medicinal plants from Serbia, *Romanian Biotechnological Letters*, **2016**, 21 (1), 11115-11125. **(citation: 2)**
21. V. Miljkovic, Lj. Nikolic, N. Radulovic, **B. Arsic**, G. Nikolic, D. Kostic, Z. Bojanic, J. Zvezdanovic, Flavonoids in mulberry fruit. Identification of nonanthocyanin phenolics in some mulberry fruit species (*Morus alba* L., *Morus rubra* L. and *Morus nigra* L.), *Agro Food Industry Hi Tech*, **2015**, 26 (3), 38-42. **(citation: 4)**
22. V. M. Miljkovic, G. S. Nikolic, Lj. B. Nikolic, **B. B. Arsic**, *Morus* species through centuries in pharmacy and as food, *Advanced Technologies*, **2014**, 3 (2), 111-115.
23. B. T. Stojanovic, S. S. Mitic, M. N. Mitic, D. Dj. Paunovic, **B. B. Arsic**, G. S. Stojanovic, The multielement analysis of the apple peel using ICP-OES method, *Advanced Technologies*, **2014**, 3 (2), 96-104.

24. S. S. Randjelovic, D. A. Kostic, **B. B. Arsic**, G. Stojanovic, Bioaccumulation of metals in different species of mulberry, *Advanced Technologies*, **2014**, 3 (2), 105-110.
25. B. Ganesan, **B. Arsic**, M. Kadirvel, J. Barber, S. Sundaram, M. Venkateswara Rao, Chemical constituents of *Embelia basaal* (ROEM. & SCHULT.) DC., *Journal of Pharmacy Research*, **2009**, 2 (10), 1575-1578.
26. G. Stojanovic, R. Palic, **B. Arsic**, D. Velickovic, S. Alagic, A comparative analysis of the fatty acids of *Yaka*, *Prilep* and *Otlja* tobaccos, *Facta Universitatis, Series: Physics, Chemistry and Technology*, **2007**, 5 (1), 57-60.
27. I. Gutman, B. Furtula, D. Vukičević, **B. Arsić**, Equiseparable molecules and molecular graphs, *Indian Journal of Chemistry*, **2004**, 43A, 7-10. (citation: 4)

Citations of publications were taken using **Scopus** (accession date 18/11/2024).

- **Popular Scientific Articles**

1. **B. Arsic**, Mechanisms of actions of coenzymes, *Chemia Naissensis*, **2018**, 1(1), 153-183.
2. V. Ivanovic, M. Rancic, **B. Arsic**, A. Pavlovic, Lipinski's rule of five, famous extensions and famous exceptions, *Chemia Naissensis*, **2020**, 3(1), 171-177.
3. D. Kostić, A. Georgijev, **B. Arsić**, Honey: food and a therapeutic agent, *Chemia Naissensis*, **2023**, 6(2), 100-109.

- **Scientific Blogs**

1. **B. Arsić**, D. Kostić, New actions to preserve honeybees and honest beekeeping, [New actions to preserve honeybees and honest beekeeping - Chemia Naissensis \(ni.ac.rs\)](#)
2. **B. Arsić**, Interview with Dr Venki Ramakrishnan, [Interview with Dr Venki Ramakrishnan - Chemia Naissensis \(ni.ac.rs\)](#)
3. **B. Arsić**, Euroscience Open Forum (ESOF): the past, the present and the future, [Euroscience Open Forum \(ESOF\): the past, the present and the future - Chemia Naissensis \(ni.ac.rs\)](#)
4. **B. Arsić**, Interview with Professor Sir Konstantin S. Novoselov, [Interview with Professor Sir Konstantin S. Novoselov - Chemia Naissensis \(ni.ac.rs\)](#)
5. **B. Arsić**, Interview with Prof. Rino Ragno, [Interview with Prof. Rino Ragno - Chemia Naissensis \(ni.ac.rs\)](#)
6. **B. Arsić**, Interview with Prof. Dr. Miloje Rakocevic, [Interview with Prof. Dr. Miloje Rakočević - Chemia Naissensis \(ni.ac.rs\)](#)

CONFERENCES, SYMPOSIA, WORKSHOPS AND INVITED LECTURES:

1. Poster presentation entitled: *In silico* investigation and voltammetry determination of pesticide oxyfluorfen using novel MWCNT based sensor, authors: J. Milićević, M. Randelović, M. Momčilović, B. Arsić, S. Glišić, **From Molecules to Materials: 1st Workshop on Benchmarking Solid State Properties**, 9-11 September 2024, Warsaw, Poland.
2. Oral presentation entitled: Inhibition of butyrylcholinesterase activity by abamectin and boscalid: computational and *in vitro* studies, authors: Biljana B. Arsić, Milka Vrecl, Tomaž Trobec, Kristina Sepčić, Robert Frangež, Sanja M. Glišić, Jelena S. Milićević, **60th Meeting of the Serbian Chemical Society**, 8-9 June 2024, Niš, Republic of Serbia.
3. Poster presentation entitled: UV-VIS method for the control of proline content in honey samples, authors: Biljana B. Arsić, Stefan Petrović, Aneta Georgijev, Danijela A. Kostić, **60th Meeting of the Serbian Chemical Society**, 8-9 June 2024, Niš, Republic of Serbia.
4. Oral presentation entitled: Determination of phenolic composition and antioxidant activity of extracts of green walnut fruits, authors: Danijela Kostić, Biljana Arsić, Marija Marković, Viktor Salić, **Second conference about medicinal and wild-growing edible plants**, 22-24 September 2023, Pirot, Republic of Serbia.
5. Oral presentation entitled: Determination of phenolic composition and antioxidant activity in walnut male flower extracts, authors: Danijela Kostić, Biljana Arsić, Marija Marković, Viktor Salić, **Second conference about medicinal and wild-growing edible plants**, 22-24 September 2023, Pirot, Republic of Serbia.
6. Poster presentation entitled: *In silico* and stability analyses of selected pesticides in use in Serbia, authors: Jelena Milićević, Biljana Arsić, Stefan Petrović, Snežana Tošić, Ivana Dimitrijević, Gordana Stojanović, Sanja Glišić, **Slovenski kemijski dnevi 2023**, 13-15 September 2023, Portorož, Slovenia.
7. Poster presentation entitled: Repurposing of approved drugs as candidates for the treatment of kala-azar: a computational study on Rab5a and PTR1 from *Leishmania donovani* as targets, authors: Biljana Arsić, Jovana Janjić, Jelena Milićević, Sanja Glišić, **GCB 2023: German Conference on Bioinformatics**, 12-14 September 2023, Hamburg, Germany.
8. Oral presentation entitled: Determination of toxic and potentially toxic elements using ICP-OES in honey as a bioindicator of the pollution of the environment, authors: Biljana Arsic, Danijela Kostic, Aneta Georgijev,

- Snezana Tomic, **EurBee 9 – 9th European Congress of Apidology**, 20-22 September 2022, Belgrade, Republic of Serbia.
9. Oral presentation entitled: Chlorantraniliprole, methomyl, metalaxyl and thiacloprid: in silico investigation and their determination in tomato using QuEChERS methodology and HPLC-DAD, authors: Stefan Petrović, Biljana Arsić, Ivana Dimitrijević, Milan Mitić, Jelena Milićević, Sanja Glišić, Rada Đurović-Pejčev, Gordana Stojanović, **4th Euro-Mediterranean Conference for Environmental Integration**, 1-4 November 2022, Sousse, Tunisia.
 10. Oral presentation entitled: Cathinones as 5-HT_{2A}R stimulators: Definition of bioactive conformations and 3-D QSAR profiles as a pathway for understanding their behavior as abusing drugs and design of anti-cathinones, authors: Nevena Tomasevic, Maja Vujovic, Emilija Kostic, Venkatesan Ragavendran, Biljana Arsic, Sanja Matic, Milan Mladenovic, **The 57th Meeting of the Serbian Chemical Society**, 18th-19th June 2021, Kragujevac, Republic of Serbia.
 11. Oral presentation entitled: Honey as a bioindicator of the pollution: investigation of the contents of selected elements in honey and honey products by Inductively Coupled Plasma-Optical Emission Spectroscopy (ICP-OES), authors: Biljana Arsić, Jelena Mrmošanin, Aleksandra Pavlović, Snežana Tošić, Stefan Petrović, Aneta Georgijev, Ahmed Snoussi, **3rd Euro-Mediterranean Conference for Environmental Integration (EMCEI-3)**, 10th-13th June 2021, Tunisia.
 12. Oral presentation entitled: Optimization of the ultra-sound assisted extraction of tea (*Camellia sinensis*) polyphenols, authors: Ahmed Snoussi, Dorra Kechine, Saoussen Bouacida, Hayet Ben Haj Koubaier, Moncef Chouaibi, Biljana Arsic, Nabiha Bouzouita, **3rd Euro-Mediterranean Conference for Environmental Integration (EMCEI-3)**, 10th-13th June 2021, Tunisia.
 13. Oral presentation entitled: Qualitative analysis of the thermal degradation of quercetin, authors: Ahmed Snoussi, Milan Mitić, Biljana Arsic, Hayet Ben Haj Koubaier, Sonja Janković, Gordana Stojanović, Nabiha Bouzouita, **3rd Euro-Mediterranean Conference for Environmental Integration (EMCEI-3)**, 10th-13th June 2021, Tunisia.
 14. Presented poster entitled: New insights into different forms of tylosin A and tylosin B in deuterated solvents, and their full assignments, authors: Biljana Arsic, Elena Bichenkova, Jill Barber, **Novel strategies for combatting anti-bacterial resistance**, 9th December 2019, London, United Kingdom.

15. Oral presentation entitled: Hemometrija kao oruđe u procesu proizvodnje u metalurgiji, authors: Mladen Mirić, Biljana Arsić, **KONGRES METROLOGA 2019**, 23rd-25th October 2019, Šabac, Republic of Serbia.
16. Oral presentation entitled: Docking analysis of selected cathinones on a complex of SAP97 PDZ2 with 5-HT2A receptor peptide, authors: E. J. Kostic, B. B. Arsic, B. S. Milosavljevic, M. M. Vujovic, **Sixth International Conference on Novel Psychoactive Substances**, 8th-9th April 2019, Maastricht, The Netherlands.
17. Oral presentation entitled: Selected pesticides as acetylcholine esterase inhibitors: theoretical and experimental studies, authors: Biljana Arsic, Milan Mladenovic, Nevena Stankovic, Nezirina Mihovic, Rino Ragno, Andrew Regan, Jelena Milicevic, Tatjana M. Trtic-Petrovic, Ruzica Micic, **6th Edition of International Conference and Exhibition on Organic Chemistry: Organic Chemistry 2018**, 16th-17th August 2018, Dublin, Ireland.
18. Presented poster entitled: **Toxicological screening for drugs of abuse in hair using LC-QTOF-MS**, authors: Vera Lukic, Ruzica Micic, Kristina Denic, Anja Jokic, Biljana Arsic, 54th Meeting of the Serbian Chemical Society and 5th Conference of Young Chemists of Serbia, 29th-30th September 2017, Belgrade, Republic of Serbia, 6.
19. Presented poster entitled: Prediction of physico-chemical properties of illegal drugs using the conformational analysis, authors: Vera Lukic, Ruzica Micic, Biljana Arsic, Anja Jokic, Dragana Sejmanovic, **6th IAPC Meeting (Sixth World Conference on Physico-Chemical Methods in Drug Discovery & Third World Conference on ADMET and DMPK)**, 4th-7th September 2017, Zagreb, Croatia, 41.
20. Presented work entitled: Conformational studies of tylosin A, tylosin B, erythromycin B and erythromycin C and full assignments of tylosin A in CDCl₃ and tylosin B in phosphate buffered D₂O, authors: Biljana Arsic, Andrew Regan, Gareth Morris, Angela Oates, Andrew McBain, Jill Barber, **1st RSC Anglo-Nordic MedChem symposium**, 11th-14th June 2017, Snekersten, Denmark.
21. A plenary lecture entitled: New opportunities for macrolide antibiotics at **2nd Anglo-Croatian Medicinal Symposium on Macrocycles: medicinal chemistry and beyond-the-rule-of-five**, 17th-18th October 2016, Zagreb, Croatia, 9.
22. Presented work entitled: Application of principal component analysis in the investigation of Au alloys without Ag, authors: Mladen Miric, Milos Djordjevic, Biljana Arsic, Dragan Djordjevic, Sasa Marjanovic, Svetlana Ivanov, **The 48th International October Conference on Mining and**

- Metallurgy**, 28th September-1st October 2016, Bor, Republic of Serbia, 81-84.
23. Presented poster entitled: Kompjuterske (konformaciona i doking) analize ciljanih pesticida/Computational (conformational and docking) analyses of targeted pesticides, authors: Biljana Arsic, Jelena Djordjevic, Tatjana Trtic-Petrovic, **Treca konferencija mladih hemicara Srbije/Third Conference of Young Chemists of Serbia**, 24th October 2015, Belgrade, Republic of Serbia, 92.
 24. Presented poster entitled: Anti-malarial activity of macrolide antibiotics: *In silico* study on the apicoplast ribosomal exit tunnel of *Plasmodium falciparum*, authors: Biljana Arsic, Richard Bryce, Jill Barber, **Joliot-Curie Conference 2015**, 16th-17th September 2015, Cambridge, United Kingdom, P11.
 25. Presented poster entitled: Qualitative analysis of pigments and binders in paint colors used in "Still life" by Milan Konjovic, authors: Milena N. Miljkovic, Biljana B. Arsic, Vesna V. Paunovic, Milos Djokic, **TECHNART2015**, 27th-30th April 2015, Catania, Italy, P2-155.
 26. Presented poster entitled: Determination of chemical composition and antioxidative activity of the extracts from *Calendula officinalis* L., authors: D. Kostic, V. Miljkovic, B. Arsic, N. Bojanic, V. Bojanic, Lj. Nikolic, **The 33rd Balkan Medical Week**, 8th -11th October 2014, Bucharest, Romania, Archives of the Balkan Medical Union, 49 (Supplement 1) (2014), A105-A106.
 27. Presented poster entitled: Flavonoids from mulberry fruit (*Morus alba* L., *Morus rubra* L. and *Morus nigra* L.), authors: V. Miljkovic, Lj. Nikolic, N. Radulovic, B. Arsic, G. Nikolic, D. Kostic, J. Zvezdanovic, Z. Bojanic, **The 33rd Balkan Medical Week**, 8th -11th October 2014, Bucharest, Romania, Archives of the Balkan Medical Union, 49 (Supplement 1) (2014), A110.
 28. Presented poster entitled: Sanitary protection zones in the city of Leskovac-Serbia, authors: D. Zizic, M. Miljkovic, G. Nikolic, B. Arsic, **The 33rd Balkan Medical Week**, 8th -11th October 2014, Bucharest, Romania, Archives of the Balkan Medical Union, 49 (Supplement 1) (2014), A131.
 29. Presented poster entitled: Influence of additives on absorption spectra of food dye CI Food Blue 5 and its determination in food products, authors: M. N. Miljkovic, V. Rakic, V. Miljkovic, B. Arsic, **14th International multidisciplinary scientific geoconference SGEM 2014**, 17th-26th June 2014, Albena, Bulgaria, 359-366.
 30. Presented poster entitled: Adsorption of malachite green onto bentonite modified with carboxymethyl cellulose, authors: V. Miljkovic, M. N. Miljkovic, M. Randjelovic, B. Arsic, D. Kostic, S. Stojiljkovic, Lj. Nikolic, Z.

- Todorovic, **14th International multidisciplinary scientific geoconference SGEM 2014**, 17th-26th June 2014, Albena, Bulgaria, 559-566.
31. Presented work entitled: ICP-OES determination and correlation of selected elements in vegetables from Kosovo, authors: R. Micic, S. Mitic, A. Jokic, A. N. Pavlovic, M. Mitic, B. Arsic, M. Cekerevac, Lj. Nikolic-Bujanovic, **XXIII Congress of the Society of Chemists and Technologists of Macedonia**, 8th-11th October 2014, Ohrid, R. Macedonia, 118.
 32. Presented poster entitled: Chemical compounds based on rosin for paint restoration process, authors: M. Miljkovic, B. Arsic, V. Miljkovic, N. Radulovic, N. Djordjevic, D. Djordjevic, V. Savic, **10th Conference of chemists, technologists and environmentalists of Republic of Srpska**, 15th-16th November 2013, Banja Luka, Republic of Srpska, 472-476.
 33. Presented poster entitled: Modelling studies on the malarial apicoplast ribosomal exit tunnel as the target of macrolide antibiotics, authors: B. Arsic, R. Bryce, J. Barber, **Ribosomes**, 3rd-7th May 2010, Orvieto, Italy.
 34. Talk upon the invitation entitled: 2D NMR Spectroscopy, on 4th January 2009, Research and Development Centre (R&D), Shasun Pharmaceuticals Ltd, Chennai, India.
 35. Talk upon the invitation on: NMR Spectroscopy, on 5th-6th January 2009, report written in Pharma Times (The Indian Pharmaceutical Association Activity Report: Year 2008-2009), 41 (11), 2009.
 36. Presented poster entitled: Modelling and NMR study on tylosin in water, authors: B. Arsic, J. Barber, **60th Indian Pharmaceutical Congress**, 12th-14th December 2008, New Delhi, India.
 37. Presented poster entitled: Quantitative properties of ribosomal proteins, authors: B. Arsic, R. Bryce, J. Barber, **Genomes for Systems**, the fourth conference of the consortium for post-genome science, 17th-19th March 2008, Manchester, United Kingdom.
 38. Talk entitled: Inositol based fluorescent probes, authors: M. Kadirvel, B. Arsic, E. V. Bichenkova, S. Freeman, **COST ACTION ANGIOKEM**, CM0602, Inhibitors of angiogenesis: design, synthesis and biological exploitation, 15th-16th February 2008, Certosa di Pontignano, Siena, Italy.
 39. Presented poster entitled: A kinetic-enzymatic method for the determination of Neomycin, authors: S. Mitic, G. Miletic, D. Kostic, I. Rasic, B. Arsic, A. Zarubica, **EuroanalysisXIV**, 9th-14th September 2007, Antwerp, Belgium.

40. Presented poster entitled: Rapid and reliable determination of doxycycline hyclate by high performance liquid chromatography with ultraviolet detection, authors: D. Kostic, S. Mitic, G. Miletic, D. Naskovic-Dokic, B. Arsic, I. Rasic, **EuroanalysisXIV**, 9th-14th September 2007, Antwerp, Belgium.
41. Attended a European conference entitled "The European Charter for Researchers and the Code of Conduct for their Recruitment" organized by the UK GRAD Programme in collaboration with the UK Office of Science and Technology, the UK Research Councils and the European Commission, Directorate General for Research, 8-9th September 2005, London, United Kingdom.
42. Talk on Partition of π -electrons in rings of double linear hexagonal chains, authors: I. Gutman, B. Furtula, V. Vučković, B. Arsić, M. Randelović, *Bulletin de l'Academie Serbe des Sciences et des Arts (Cl. Math. Natur.)*, **2005**, 130, 97-105.
43. Presented poster entitled: Investigation of filler-rubber interactions of nano- and micro-filled NBR/CSM and CR/CSM cross-linking polymer blends, authors: B. Radovanovic, B. Arsic, A. Radovanovic, G. Nikolic, G. Markovic, **8th UNESCO School and IUPAC Conference on Macromolecules: Polymers for Africa**, 4-9th June 2005, Mauritius.
44. Attended Euroscience 2004 sponsored by **UNESCO** and **Marie Curie Fellowship**, 25-28th August 2004, Stockholm, Sweden.
45. Presented poster entitled: Fatty Acids of Some Serbian Breeding Tobaccos, authors: G. Stojanovic, R. Palic, B. Arsic, D. Velickovic, S. Alagic, **4th International Conference of the Chemical Societies of the South-East European Countries on Chemical Sciences in Changing Times: Visions, Challenges and Solutions**, 18-21st July 2004, Belgrade, Federal Republic of Yugoslavia.
46. Presented poster entitled: Applying chemical and thermal modified zeolites for purification of waste water produced by dyeing wool with acid dyes, authors: T. Pecev, V. Stankov-Jovanovic, B. Arsic, N. Radulovic, R. Stoimenov, B. Jovanovic, **4th International Conference "Chemistry and Environmental Protection"**, 23-26th September 2001, Zrenjanin, Federal Republic of Yugoslavia.