

CV- Dr Jelena Vladić

PERSONAL INFORMATION

📍 8 Branimira Ćosića, 21000 Novi Sad, Serbia

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Date of birth 05/10/1986 | Nationality Serbia

PROFESSIONAL EXPERIENCE

- **Scientific Associate** 01/08/2018 - ongoing
- **Teaching Assistant with PhD** 01/10/2018 - ongoing

Department of Biotechnology and Pharmaceutical Engineering, Faculty of Technology, University of Novi Sad, Serbia

Scientific area: Pharmaceutical technologies and pharmaceutical chemistry, green modern extraction technologies, mathematical modelling, production of dry extracts using spray drying technique, physical-chemical, biochemical, and pharmacological analyses (*in vitro* and *in vivo*) of obtained extracts, enrichment of products to provide improved health benefits. | Valorisation of (food, agricultural, industry, marine, communal) waste and by-products by applying green engineering.

Teaching the following courses (5): Technology of final medicinal products; Technology of pharmaceutical products; Chemistry and technology of dietary supplements; Pharmaceutical chemistry, Medicinal plants

Previous positions:

Research Assistant 18/01/2013 - 01/08/2018

Junior Researcher 20/07/2012 - 18/01/2013

- **Pharmacist**

Onyx Pharmacies and Pharmacity Pharmacies, Novi Sad, Serbia

EDUCATION

- **PhD (Pharmaceutical Engineering)**

Department of Biotechnology and Pharmaceutical Engineering, Faculty of Technology
University of Novi Sad, Serbia

- **Master of Pharmacy**

Faculty of Medicine, University of Novi Sad, Novi Sad, Serbia

- **Pharmaceutical Technician**
- **Cosmetics Technician**

“7. april” Medical school, Novi Sad, Serbia

CURRENT PROJECTS (8)

- **National Project funded by the Ministry of Education, Science and Technological Development of Republic of Serbia (2012 -ongoing)**

Title: Pharmacologically active compounds and products based on medicinal and aromatic herbs

- **Two (2) COST Actions (European Cooperation in Science and Technology); Position: MC Substitute**

Title: PortASAP - European network for the promotion of portable, affordable and simple analytical platforms (2017- ongoing)

Title: Green Chemical Engineering Network towards upscaling sustainable processes (2019-ongoing)

Bilateral project between Serbia and Portugal (2020 - 2021) Project Leader

Title: Production of high-value products from novel marine microalgae using green technologies

- **Three (3) projects funded by the Provincial Secretariat for Science and Technological Development, Autonomous Province of Vojvodina, the Republic of Serbia**

Title: Valorisation of microalgae biomass obtained in the wastewater treatment (2019- ongoing) **Project Leader**

Title: Development of improved ecological procedures in the treatment of wastewater on the territory of Vojvodina (2016 - ongoing)

Title: Development of the drying technology of fermented *Futog* cabbage with the aim to obtain a new product in the form of tablets and powders (2016 - ongoing)

- **Project funded by Centre for the promotion of science, Belgrade, Serbia (2019 - ongoing)**

Title: Pharmacy to go: from medicinal plant to product

PAST PROJECTS (9)

- **Bilateral project between Serbia and Hungary (01/11/2017 - 01/11/2019)**

Title: Application of spray drying technology for production of innovative products by using waste and by-products obtained through the agro-food chain in Serbia and Hungary

- **Bilateral project between Serbia and Portugal (01/01/2018 - 31/12/2019)**

Title: Application of green high pressure technologies in extract isolation and powder production for more successful utilization of food by-products

- **COST Action (European Cooperation in Science and Technology) (24/03/2015- 23/03/2019)**

Title: European Network for Algal-Bioproducs (EUAlgae)

- **City project funded by City Administration for Environmental Protection (30/09/2018 - 30/09/2019)**

Title: Green medicinal wall - examination of the phytopharmacological potential of the Mediterranean smile (*Helicrysum italicum*) grown on a green wall in urban conditions

- **Bilateral project between Serbia and Croatia (2016-2017)**

Title: Application of high-pressure technologies for the extraction of plant raw materials from Serbia and Croatia

- **2 projects funded by the Provincial Secretariat for Science and Technological Development, Autonomous Province of Vojvodina, the Republic of Serbia**

Title: Application of residual waste of grapevine from the territory of Vojvodina in pharmaceutical industry

Title: Chemical-technological research of medicinal and aromatic plant raw materials from conventional and organic production in Vojvodina

- **Project funded by Centre for the promotion of science, Belgrade, Serbia (2017)**

Title: Pharmacy to go: from medicinal plant to product

- **Project funded by the J. J. Strossmayer University of Osijek, Republic of Croatia (2016)**

Title: Development of high-value products based on medicinal herbs

SCHOLARSHIPS / AWARDS / PRIZES

- Marie Skłodowska-Curie Individual Fellowships 2020
- Research Grant/Fellowship: Joint Excellence in Science and Humanities awarded by The Austrian Academy of Sciences 2019
- Danubius Young Scientist Award 2018, awarded by the Institute for the Danube Region and Central Europe and the Austrian Ministry of Education, Science and Research
- Scientific Grant from European Cooperation in Science and Technology Brussels, Belgium (2018)
- Erasmus+ Staff Mobility (2018)
- The best poster presentation, 10th International Scientific and Professional Conference With Food To Health, Osijek, Croatia (2017)
- Scientific Grant from European Cooperation in Science and Technology, Brussels, Belgium (2017)
- British Scholarship Trust Scholarship, United Kingdom (2016)
- Groupe Polyphénols Student Grant, France (2016)
- Competition The Art of Shaking operated by Kuhner Shaker, 2nd place (2014)
- State Scholarship - Ministry of Education, Science and Technological Development of Serbia (2006-2011)
- CEEPUS Foundation Scholarship for Professional Specialization (2012)
- Scholarship for Specialization - The State of EXIT Foundation (2010/2011)

SELECTED PROFESSIONAL VISITS/ STAYS ABROAD

- **Faculty of Pharmacy Szeged, Hungary** 2019
- **Joint Research Centre European Commission Ispra, Italy** 2019
- **iBET - Instituto de Biologia Experimental e Tecnológica, Oeiras, Portugal** 2018
- **Training School, Florence, Italy** 2018
- **Faculty of Food Technology, J. J. Strossmayer University of Osijek, Croatia** 2018
- **Faculty of Food Technology, J. J. Strossmayer University of Osijek, Croatia** 2018
- **National Laboratory of Energy and Geology, Lisbon, Portugal** 2018
- **School of Pharmacy, University of Hertfordshire, United Kingdom** 2017
- **Faculty of Food Technology, J. J. Strossmayer University of Osijek, Croatia** 2016
- **Green Life, Karlovac, Croatia** 2014
- **CEEB, Karlovac, Croatia** 2014
- **Department of Pharmaceutical Technology, University of Szeged, Hungary** 2014
- **CEEB, Karlovac, Croatia,** 2014

TRAININGS/CERTIFICATES

- Professional Certification for the Master of Pharmacy; Ministry of Health of the Republic of Serbia
- Certificate of training on the welfare of animals used for scientific purposes, Serbia
- Possibility of Financing by EU funds, European Affairs Fund of Vojvodina Serbia
- Training of Business Innovation Support Organisations consultants in performing training program for SMEs in the area of innovation”, Integrated Innovation Support Programme (European Union, Ministry of Finance and Economy Serbia)
- Patenting in the field of pharmacy, Institute for Intellectual Property, Belgrade and European Patent Academy, Munich
- Training for beginners in business, Development Agency of Serbia and The Regional Development Agency Backa
- Control of Substances Hazardous to Health (University of Hertfordshire, United Kingdom)
- Health and Safety (University of Hertfordshire, United Kingdom)
- Outstanding Contribution in Reviewing (Industrial Crops and Products, Netherlands)

SCIENTIFIC CONTRIBUTION

Author/Co-author of **179 publications (1 book, 7 chapters, 51 scientific articles, 1 technical national solution, and 125 conference proceedings)** at international and national conferences).

H-index: 15; Total citations: 687

Reviewer of scientific articles in numerous scientific journals and conferences.

Member of Conference Organising Committee

First International Conference on Advanced Production and Processing - ICAPP, Novi Sad, Serbia 2019

Member of Scientific Committee

MSST International Congress of Students of Technology Novi Sad, Serbia 2019

B. Cell - Student organisation with focus on innovative ways to therapy, learning, and professional development

ADDITIONAL ACTIVITIES AND MENTORSHIP

- **Co-Coordinator of the International Relations Office**, Faculty of Technology Novi Sad 2018-ongoing
- **Erasmus+ Administrative Coordinator Faculty of Technology Novi Sad** 2018-ongoing
- **Member of the Committee of project *I learn + I know= I am worthy 2019*** 2018-ongoing
- **Member of committee for assessment of quality of products on basis on medicinal plants** 2016-ongoing

International fair Novi Sad, Serbia

- **Member of the Committee of student contest Hemofarm day** 2013-ongoing

Contest in developing innovative pharmaceutical products for students of Pharmaceutical Engineering

- **Mentoring of First year students** of Pharmaceutical Engineering, Faculty of Technology Novi Sad 2017/2018
- **Mentoring/supervising** (national and international students)

Student contest; CEEPUS (Central European Exchange Programme for University Studies): 2 PhD students (2 and 3 months); 1 bachelor student (1 month); Other mobility programmes: 2 PhD students (3 months and 2 weeks),

- **Supervising and Informal Mentoring** (International and national students)

Bachelor (13), Master (16), PhD thesis (4); Student scientific work (9)

MEMBERSHIP

- Association of Pharmacists of Vojvodina (Serbia)
- International Association for Pharmaceutical Technology (Germany)
- International Society for Advancement of Supercritical Fluids (France)
- Groupe Polyphénols Association (France)
- Society for Medicinal Plant and Natural Product Research (Germany)
- Serbia Chemistry Association (Serbia)
- Euro Science (France)
- Association of Young Chemist (Serbia)
- SCI-Where Science Meet Business (Great Britain)

PROMOTION AND POPULARISATION OF SCIENCE

- Presentation of laboratory at the Open days of Faculty of Technology Novi Sad
- Coordination of workshops at the Science Festival Novi Sad
- Running of workshops for high school students

FULL LIST OF PUBLICATIONS

Book

1. Vidović S.; Vladoić J. (2017). Dietary Supplements Chemistry and Technology-Practicum. Publisher: Faculty of Technology Novi Sad, Serbia ISBN 978-86-6253-074-5.

International chapters

1. Banožić M., Vidović S., Vladoić J., Jokić S. (2020) Chapter 5. Overview on the Application of Supercritical CO₂ Extraction of Active Compounds from Tobacco and Tobacco Waste, Chapter 9, In: Supercritical Carbon Dioxide: Functions and Application. Editor: Evie P. Hayden, Nova Science Publisher, ISBN: 978-1-53617-404-5. p. 319-369
2. Vidović S., Vladoić J., Nastić N., Jokić S. (2020). Subcritical and supercritical extraction in food by-product and food waste valorization In: Super and subcritical fluid processing, Innovative Food Processing Technologies – A Comprehensive Review. Editors: K. Muthukumarappan and K. Knoerzer, Elsevier, USA.
3. Vidović S., Tepić Horecki A., Vladoić J., Šumić Z., Gavarić A., Vakula A. (2019). By products of apple fruit processing: importance, composition and applications. In: Valorization of fruit processing by-products. Editors: Charis Galanakis, Elsevier, Paperback ISBN: 9780128171066, eBook ISBN: 9780128173732
4. Ferreira A., Reis A., Vidović S., Vladoić J., Gkelis S., Melkonyan L., Avetisova G., Congestri R., Acién G., Muñoz R., Collet P., Gouveia L. (2019). Combining wastewater treatment with biofuel and/bio-product production through microalgae in the frame of biorefinery. In: Grand Challenges in Biology and Biotechnology, Editors: Hallmann Armin, Rampelotto Pablo H. Springer. ISBN 978-3-030-25233-5.
5. Vladoić J., Vidović S., Aćimović M., Gavarić A., Jokić S. (2017). Chapter 2. *Satureja montana*: Cultivation, Production and Uses, In: Medicinal Plants: Production, Cultivation and Uses, Editors: Aubert Matthias and Nicolas Laisné. Nova Science Publisher, pp. 27-58. ISBN: 978-1-53612-729-4.
6. Vidović S., Šavikin K., Aćimović M., Vladoić J., Čujić N., Gavarić A., Janković T. (2017). Chapter 3. Insight to the Current State and Challenges in *Aronia melanocarpa* Cultivation, Phytochemicals, Potential and Applications, In: Medicinal Plants: Production, Cultivation and Uses, Editors: Aubert Matthias and Nicolas Laisné. Nova Science Publisher, pp. 59-84. ISBN: 978-1-53612-729-4.
7. Gavarić A., Jokić S., Molnar M., Vidović S., Vladoić J., Aćimović M. (2017). Chapter 4. *Helichrysum*: The Current State of Cultivation, Production and Uses, Editors: Aubert Matthias and Nicolas Laisné. Nova Science Publisher, pp. 85-106. ISBN: 978-1-53612-729-4.

Scientific articles

1. Gavarić A., Vladoić J., Ambrus R., Jokić S., Szabó-Révész P., Tomić M., Blažić M., Vidović S. (2019). Spray drying of a subcritical extract using *Marrubium vulgare* as a method of choice for obtaining high quality powder. *Pharmaceutics*, *11*, 523.
2. Tomšik A., Pavlič B., Vladoić J., Ramić M., Brindza J., Vidović S. (2016). Optimization of ultrasound-assisted extraction of bioactive compounds from wild garlic (*Allium ursinum* L.). *Ultrasonics Sonochemistry*, *29*, 502-511.
3. Aladić K., Jami K., Barbir T., Vidović S., Vladoić J., Bilić M., Jokić S. (2015). Supercritical CO₂ extraction of hemp (*Cannabis sativa* L.) seed oil. *Industrial Crops and Products*, *76*, 472-478.
4. Ramić M., Vidović S., Zeković Z., Vladoić J., Cvejin A., Pavlič B. (2015). Modeling and optimization of ultrasound-assisted extraction of polyphenolic compounds from *Aronia melanocarpa* by-products from filter-tea factory. *Ultrasonics Sonochemistry*, *23*, 360-368.
5. Jakovljević M., Vladoić J., Vidović S., Pastor K., Jokić S., Molnar M., Jerković I. (2020). Application of deep eutectic solvents for the extraction of rutin androsmarinic acid from *Satureja montana* L. and evaluation of the extracts antiradical activity. *Plants*, *9*, 153; doi:10.3390/plants9020153.
6. Čakarević J., Vidović S., Vladoić J., Gavarić A., Jokić S., Pavlović N., Blažić M., Popović L. (2019). Production of bio-functional protein through revalorization of apricot kernel cake. *Foods*, *8*, 318. <https://doi.org/10.3390/foods8080318>
7. Ferreira A., Ribeiro B., Ferreira A., Tavares M., Vladoić J., Vidović S., Cvetković D., Melkonyan L., Avetisova G., Goginyan V., Gouveia L. (2019). *Scenedesmus obliquus* microalga-based biorefinery - from brewery effluent to bioactive compounds, biofuels and biofertilizers – aiming a circular bioeconomy. *Biofuels, Bioproducts and Biorefining*, <https://doi.org/10.1002/bbb.2032>.
8. Jerković I., Molnar M., Vidović S., Vladoić J., Jokić S. (2017). Supercritical CO₂ Extraction of *Lavandula angustifolia* Mill. flowers: Optimization of oxygenated monoterpenes, coumarin and herniarin content. *Phytochemical Analysis*, doi: 10.1002/pca.2705.
9. Elgndi M.A., Filip S., Pavlič B., Vladoić J., Žižak Ž., Zeković Z., Stanojković T. (2017). Antioxidative and cytotoxic activity of essential oils and extracts of *Satureja montana* L., *Coriandrum sativum* L. and *Ocimum basilicum* L. obtained by supercritical fluid extraction. *The Journal of Supercritical Fluids*, *128*, 128-137.
10. Tomšik A., Pavlič B., Vladoić J., Cindrić M., Jovanov P., Sakač M., Mandić A., Vidović S. (2017). Subcritical water extraction of wild garlic (*Allium ursinum* L.) and process optimization by response surface methodology. *The Journal of Supercritical Fluids*, *128*, 79-88.
11. Vladoić J., Canli O., Pavlič B., Zeković Z., Vidović S., Kaplan M. (2017). Optimization of *Satureja montana* subcritical water extraction process and chemical characterization of volatile fraction of extracts. *The Journal of Supercritical Fluids*, *120*, 86-94.
12. Naffati A., Vladoić J., Pavlič B., Radosavljević R., Gavarić A., Vidović S. (2017). Recycling of filter tea industry by-products: Application of subcritical water extraction for recovery of bioactive compounds from *A. uva-ursi* herbal dust. *The Journal of Supercritical Fluids*, *121*, 1-9.
13. Filip S., Pavlič B., Vidović S., Vladoić J., Zeković Z. (2017). Optimization of Microwave-Assisted Extraction of Polyphenolic Compounds from *Ocimum basilicum* by Response Surface Methodology. *Food Analytical Methods*, *10*(7), 2270-2280.
14. Vladoić J., Ambrus R., Szabó-Révész P., Vasić A., Cvejin A., Pavlič B., Vidović S. (2016). Recycling of filter tea industry by-products: Production of *A. millefolium* powder using spray drying technique. *Industrial Crops and Products*, *80*, 197-206.
15. Filip S., Vidović S., Vladoić J., Pavlič B., Adamović D., Zeković Z. (2016). Chemical composition and antioxidant properties of *Ocimum basilicum* L. extracts obtained by supercritical carbon dioxide extraction: Drug exhausting method. *The Journal of*

- Supercritical Fluids*, 109, 20-25.
16. Vlačić J., Zeković Z., Jokić S., Svilović S., Kovačević S., Vidović S. (2016). Winter savory: supercritical carbon dioxide extraction and mathematical modeling of extraction process. *The Journal of Supercritical Fluids*, 117, 89-97.
 17. Zeković Z., Vlačić J., Vidović S., Adamović D., Pavlič B. (2016). Optimization of microwave-assisted extraction (MAE) of coriander phenolic antioxidants - Response surface methodology approach. *Journal of the Science of Food and Agriculture*, 96 (13), 4613-4622.
 18. Zeković Z., Kaplan M., Pavlič B., Olgun E. O., Vlačić J., Canlı O., Vidović S. (2016). Chemical characterization of polyphenols and volatile fraction of coriander (*Coriandrum sativum* L.) extracts obtained by subcritical water extraction. *Industrial Crops and Products*, 87, 54-63.
 19. Pavlič B., Vidović S., Vlačić J., Radosavljević R., Cindrić M., Zeković Z. (2016). Subcritical water extraction of sage (*Salvia officinalis* L.) by-products-Process optimization by response surface methodology. *The Journal of Supercritical Fluids*, 116, 36-45.
 20. Zeković Z., Bušić A., Komes D., Vlačić J., Adamović D., Pavlič B. (2015). Coriander seeds processing: Sequential extraction of non-polar and polar fractions using supercritical carbon dioxide extraction and ultrasound-assisted extraction. *Food and Bioproducts Processing*, 95, 218-227.
 21. Pavlič B., Vidović S., Vlačić J., Radosavljević R., Zeković Z. (2015). Isolation of coriander (*Coriandrum sativum* L.) essential oil by green extractions versus traditional techniques. *The Journal of Supercritical Fluids*, 99, 23-28.
 22. Zeković Z., Vidović S., Vlačić J., Radosavljević R., Cvejic A., Elgndi M. A., Pavlič B. (2014). Optimization of subcritical water extraction of antioxidants from *Coriandrum sativum* seeds by response surface methodology. *The Journal of Supercritical Fluids*, 95, 560-566.
 23. Vidović S., Zeković Z., Marošanić B., Todorović M. P., Vlačić J. (2014). Influence of pre-treatments on yield, chemical composition and antioxidant activity of *Satureja montana* extracts obtained by supercritical carbon dioxide. *The Journal of Supercritical Fluids*, 95, 468-473.
 24. Vidović S., Vlačić J., Vaštag Ž., Zeković Z., Popović L. (2014). Maltodextrin as a carrier of health benefit compounds in *Satureja montana* dry powder extract obtained by spray drying technique. *Powder Technology*, 258, 209-215.
 25. Vladimír-Knežević S., Blažeković B., Kindl M., Vlačić J., Lower-Nedza A. D., Brantner A. H. (2014). Acetylcholinesterase inhibitory, antioxidant and phytochemical properties of selected medicinal plants of the *Lamiaceae* family. *Molecules*, 19(1), 767-782.
 26. Jokić S., Nastic N., Vidović S., Flanjak I., Aladić K., Vlačić J. (2020). An Approach to Value Cocoa Bean By-Product Based on Subcritical Water Extraction and Spray Drying Using Different Carriers. *Sustainability*, 12, 2174. <https://doi.org/10.3390/su12062174>.
 27. Vidović S., Ramić M., Ambrus, R., Vlačić J., Szabó-Révész P., Gavarić A. (2019). Aronia Berry Fruits Processing by Spray Drying: from By-product to High Quality Functional Powder. *Food Technology and Biotechnology*, 57 (4), 513-524.
 28. Drinić Z., Vlačić J., Koren A., Zeremski T., Stojanov N., Kiprovski B., Vidović S. (2019). Microwave-assisted extraction of cannabinoids and antioxidants from *Cannabis sativa* areal parts and process modeling. *Journal of Chemical Technology & Biotechnology*, accepted. DOI 10.1002/jctb.6273.
 29. Pavlović N., Vidović S., Vlačić J., Popović L., Moslavac T., Jakobović S., Jokić S. (2018). Recovery of tocopherols, amygdalin and fatty acids from apricot kernel oil: cold pressing vs. supercritical carbon dioxide. *European Journal of Lipid Science and Technology*. 120 (11) doi: [10.1002/ejlt.201800043].
 30. Zeković Z., Gavarić A., Pavlič B., Vidović S., Vlačić J. (2017). Optimization: microwave irradiation effect on polyphenolic compounds extraction from winter savory (*Satureja montana* L.). *Separation Science and Technology*, 52(8), 1377-1386.
 31. Naffati A., Vlačić J., Pavlič B., Vidović S. (2017). Bio-refining of filter tea factory by-products: classical and ultrasound-assisted extraction of bioactive compounds from wild apple fruit dust. *Journal of Food Process Engineering*, 40(6), e12572 <https://doi.org/10.1111/jfpe.12572>.
 32. Aladić K., Vidović S., Vlačić J., Balić D., Jukić H., Jokić S. (2016). Effect of supercritical CO₂ extraction process parameters on oil yield and pigment content from by-product hemp cake. *International Journal of Food Science & Technology*, 51(4), 885-893.
 33. Pavlič B., Naffati A., Hojan T., Vlačić J., Zeković Z., Vidović S. (2016). Microwave-assisted extraction (MAE) of wild apple fruit dust – Production of polyphenol-rich extracts from filter tea factory by-products. *Journal of Food Process Engineering*, 40(4), e12508. DOI: 10.1111/jfpe.12508.
 34. Vlačić J., Zeković Z., Cvejic A., Adamović, D., Vidović S. S. (2014). Optimization of *Satureja montana* extraction process considering phenolic antioxidants and antioxidant activity. *Separation Science and Technology*, 49(13), 2066-2072.
 35. Grujić N., Lepojević Z., Srdenović B., Vlačić J., Sudi J. (2012). Effects of different extraction methods and conditions on the phenolic composition of mate tea extracts. *Molecules*, 17(3), 2518-2528.
 36. Vlačić J., Gavarić A., Jokić S., Pavlović N., Moslavac T., Popović L., Matias A., Agostinho A., Banozic M., Vidović S. Alternative to conventional edible oil sources: Cold pressing and supercritical CO₂ extraction of plum (*Prunus domestica* L.) kernel seed. Accepted.
 37. Vlačić J., Nastić N., Stanjoković T., Žižak Ž., Čakarević J., Popović L., Vidović. (2019). Subcritical water forrecovery of polyphenols from comfrey root and biological activities of extracts. *Acta Chimica Slovenica*, 66 (2), 473-783.
 38. DOI: <http://dx.doi.org/10.17344/acs.2019.5011>
 39. Vidović, S., Nastić, N., Gavarić, A., Cindrić, M., & Vlačić, J. (2019). Development of green extraction process to produce antioxidant-rich extracts from purple coneflower. *Separation Science and Technology*, 54(7), 1174-1181.
 40. Gavarić A., Ramić M., Vlačić J., B. Pavlič., Radosavljević R., Vidović S. (2018). Recovery of antioxidant compounds from aronia filter tea factory by-product: novel versus conventional extraction approaches. *Acta Chimica Slovenica*, 65, 438-447.
 41. DOI: <http://dx.doi.org/10.17344/acs.2018.4200>.
 42. Šumić Z., Tepić A., Vidović S., Vākula A., Vlačić J., Pavlič B. (2017). Process optimization of chanterelle (*Cantharellus cibarius*) mushrooms vacuum drying. *Journal of Food Processing and Preservation*, 41(2).
 43. Šumić Z., Tepić A., Vidović S., Vlačić J., Pavlič B. (2016). Drying of shiitake mushrooms in a vacuum dryer and optimization of the process by response surface methodology (RSM). *Journal of Food Measurement and Characterization*, 10, 425-433.
 44. Pavlič B., Đurković A. V., Vlačić J., Gavarić A., Zeković Z., Tepić A., Vidović S. (2016). Extraction of Minor Compounds (Chlorophylls and Carotenoids) from Yarrow-Rose Hip Mixtures by Traditional versus Green Technique. *Journal of Food Process Engineering*, 39, 418-424.
 45. Aladić K., Jokić S., Moslavac T., Tomas S., Vidović S., Vlačić J., Šubarić D. (2014). Cold pressing and supercritical CO₂ extraction of hemp (*Cannabis sativa*) seed oil. *Chemical and Biochemical Engineering Quarterly*, 28 (4) 481-490.
 46. Čakarević J., Vidović S., Vlačić J., Jokić S., Pavlović N., Ljiljana P. (2020). Plum oil cake protein isolate: a potential source of bioactive peptides. *Food and Feed Research*, 46 (2), 171-178, 2019.

48. Čebović T., Vladoić J., Gavarić A., Zeković Z., Vidović S. (2019). Assessment of antioxidant and hepatoprotective potential of *Satureja montana* extracts against CCl₄ induced liver damage. *Lekovite sirovine*, 39, 5-10.
49. Gavarić, A., Vidović, S., Zeković, Z., & Vladoić, J. (2019). Influence of storage time on quality of spray-dried extracts of basil (*Ocimum basilicum* L.). *Food in Health and Disease: Scientific-Professional Journal of Nutrition and Dietetics*, 8(1), 6-12.
50. Pavlič, B., Savić, D., Vladoić, J., Vidović, S., & Zeković, Z. (2018). Comparative analysis of the essential oils of three Lamiaceae species obtained by conventional and microwave-assisted hydrodistillation. *Journal on Processing and Energy in Agriculture*, 22(4), 174-179.
51. Grujić-Letić N., Srdenović-Čonić B., Šefer E., Vladoić J., Sudi J., Lepojević Ž. (2011). Određivanje purinskih alkaloida u ekstraktima paragvajskog čaja (*Ilex paraguariensis*). *Medicina Danas*. 10 (10-12) 366-371.

Conference proceedings at international and national conferences

1. Vladoić J., Ferreira A., Vidović S., Cvetković D., Gouveia L. Refining microalgae biomass obtained through wastewater treatment with subcritical water extraction. EUALGAE Final Conference - European Recent Advances in the Microalgae Field, February 2019, Madrid, Spain, Book of Abstract.
2. Gouveia L., Ferreira A., Marques P., Reis A., Ferreira A. F., Dias A. P., Vladoić J., Vidović S. Microalgae-circular bio-economy—from wastewater treatment to biofuels and bioproducts. Algae Tech Conference, September 2018, Munich, Germany, Book of Abstract, p.
3. Vladoić J., Vidović S., Zeković Z. Functional products based on *Satureja montana*, 10th International Scientific and Professional Conference With Food To Health, Osijek, Croatia, October 2017, Book of abstracts, p. 74.
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