

# Jelena Vladic

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65  
papers

1,286  
citations

20  
h-index

34  
g-index

69  
ext. papers

1,578  
ext. citations

3.7  
avg, IF

4.64  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 65 | Comparative Study of the Essential Oil and Hydrosol Composition of Sweet Wormwood ( <i>Artemisia annua</i> L.) From Serbia.. <i>Chemistry and Biodiversity</i> , <b>2022</b> , e202100954  | 2.5  | 3         |
| 64 | Valorisation of microalga <i>Tetrademus obliquus</i> grown in brewery wastewater using subcritical water extraction towards zero waste. <i>Chemical Engineering Journal</i> , <b>2022</b> , 437, 135324  | 14.7 | 2         |
| 63 | Green approach for the valorization of microalgae <i>Tetrademus obliquus</i> . <i>Sustainable Chemistry and Pharmacy</i> , <b>2021</b> , 24, 100556  | 3.9  | 2         |
| 62 | Supercritical Carbon Dioxide Extraction of <i>Allium ursinum</i> : Impact of Temperature and Pressure on the Extracts Chemical Profile. <i>Chemistry and Biodiversity</i> , <b>2021</b> , 18, e2100058   | 2.5  | 0         |
| 61 | Subcritical and Supercritical Extraction in Food By-product and Food Waste Valorization <b>2021</b> , 705-721  |      | 0         |
| 60 | Supercritical CO extraction of : intensification of marrubiin.. <i>RSC Advances</i> , <b>2021</b> , 11, 9067-9075  | 3.7  | 1         |
| 59 | Effect of Type and Concentration of Carrier Material on the Encapsulation of Pomegranate Peel Using Spray Drying Method. <i>Foods</i> , <b>2021</b> , 10,  | 4.9  | 2         |
| 58 | Application of Emerging Cell Disintegration Techniques for the Accelerated Recovery of Curcuminoids from <i>Curcuma longa</i> . <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 8238   | 2.6  | 2         |
| 57 | Carbon dioxide supercritical fluid extracts from yarrow and rose hip herbal dust as valuable source of aromatic and lipophilic compounds. <i>Sustainable Chemistry and Pharmacy</i> , <b>2021</b> , 22, 100494   | 3.9  | 1         |
| 56 | Application of conventional and high-pressure extraction techniques for the isolation of bioactive compounds from the aerial part of hemp ( <i>Cannabis sativa</i> L.) assortment Helena. <i>Industrial Crops and Products</i> , <b>2021</b> , 171, 113908 | 5.9  | 3         |
| 55 | Enzymatic and Microwave Pretreatments and Supercritical CO Extraction for Improving Extraction Efficiency and Quality of <i>L. spp.</i> Extracts.. <i>Plants</i> , <b>2021</b> , 11,   | 4.5  | 2         |
| 54 | Sequential valorisation of microalgae biomass grown in pig manure treatment photobioreactors. <i>Algal Research</i> , <b>2020</b> , 50, 101972   | 5    | 5         |
| 53 | Application of Deep Eutectic Solvents for the Extraction of Rutin and Rosmarinic Acid from <i>L.</i> and Evaluation of the Extracts Antiradical Activity. <i>Plants</i> , <b>2020</b> , 9,   | 4.5  | 15        |
| 52 | An Approach to Value Cocoa Bean By-Product Based on Subcritical Water Extraction and Spray Drying Using Different Carriers. <i>Sustainability</i> , <b>2020</b> , 12, 2174   | 3.6  | 7         |
| 51 | Valorization of Yarrow ( <i>L.</i> ) By-Product through Application of Subcritical Water Extraction. <i>Molecules</i> , <b>2020</b> , 25,  | 4.8  | 9         |
| 50 | Extraction of sweet wormwood ( <i>Artemisia annua</i> L.) by supercritical carbon dioxide. <i>Lekovite Sirovine</i> , <b>2020</b> , 22-36  | 0.6  | 3         |
| 49 | Microwave-assisted extraction of cannabinoids and antioxidants from <i>Cannabis sativa</i> aerial parts and process modeling. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2020</b> , 95, 831-839  | 3.5  | 20        |

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| 48 | Apple <b>2020</b> , 17-42  |     | 2  |
| 47 | Evaluation of Anticancer Activity of Supercritical and Spray-Dried Extracts on Ehrlich's Ascites Carcinoma Bearing Mice. <i>Plants</i> , <b>2020</b> , 9,  | 4.5 | 5  |
| 46 | Comparative Study of Subcritical Water and Microwave-Assisted Extraction Techniques Impact on the Phenolic Compounds and 5-Hydroxymethylfurfural Content in Pomegranate Peel. <i>Plant Foods for Human Nutrition</i> , <b>2020</b> , 75, 553-560 | 3.9 | 7  |
| 45 | Production of Bio-Functional Protein through Revalorization of Apricot Kernel Cake. <i>Foods</i> , <b>2019</b> , 8,  | 4.9 | 8  |
| 44 | Scenedesmus obliquus microalga-based biorefinery [From brewery effluent to bioactive compounds, biofuels and biofertilizers] aiming at a circular bioeconomy. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2019</b> , 13, 1169-1186         | 5.3 | 52 |
| 43 | Spray Drying of a Subcritical Extract Using as a Method of Choice for Obtaining High Quality Powder. <i>Pharmaceutics</i> , <b>2019</b> , 11,  | 6.4 | 8  |
| 42 | Aronia Berry Processing by Spray Drying: From Byproduct to High Quality Functional Powder. <i>Food Technology and Biotechnology</i> , <b>2019</b> , 57, 513-524  | 2.1 | 4  |
| 41 | Subcritical Water for Recovery of Polyphenols from Comfrey Root and Biological Activities of Extracts. <i>Acta Chimica Slovenica</i> , <b>2019</b> , 66, 473-783   | 1.9 | 8  |
| 40 | Plum oil cake protein isolate: A potential source of bioactive peptides. <i>Food and Feed Research</i> , <b>2019</b> , 46, 171-178   | 0.8 | 3  |
| 39 | Assessment of antioxidant and hepatoprotective potential of <i>Satureja montana</i> extracts against CCl <sub>4</sub> induced liver damage. <i>Lekovite Sirovine</i> , <b>2019</b> , 5-10  | 0.6 | 2  |
| 38 | Combining Microalgae-Based Wastewater Treatment with Biofuel and Bio-Based Production in the Frame of a Biorefinery. <i>Grand Challenges in Biology and Biotechnology</i> , <b>2019</b> , 319-369  | 2.4 | 9  |
| 37 | Development of green extraction process to produce antioxidant-rich extracts from purple coneflower. <i>Separation Science and Technology</i> , <b>2019</b> , 54, 1174-1181  | 2.5 | 8  |
| 36 | Recovery of Antioxidant Compounds from Aronia Filter Tea Factory by -Product: Novel Versus Conventional Extraction Approaches. <i>Acta Chimica Slovenica</i> , <b>2018</b> , 65, 438-447   | 1.9 | 4  |
| 35 | Comparative analysis of the essential oils of three Lamiaceae species obtained by conventional and microwave-assisted hydrodistillation. <i>Journal on Processing and Energy in Agriculture</i> , <b>2018</b> , 22, 174-179                      | 0.3 | 2  |
| 34 | Effect of extraction solvent on total polyphenols content and antioxidant activity of <i>Cannabis sativa</i> L.. <i>Lekovite Sirovine</i> , <b>2018</b> , 17-21  | 0.6 | 16 |
| 33 | Recovery of Tocopherols, Amygdalin, and Fatty Acids From Apricot Kernel Oil: Cold Pressing Versus Supercritical Carbon Dioxide. <i>European Journal of Lipid Science and Technology</i> , <b>2018</b> , 120, 1800043                             | 3   | 9  |
| 32 | Optimization of Microwave-Assisted Extraction of Polyphenolic Compounds from <i>Ocimum basilicum</i> by Response Surface Methodology. <i>Food Analytical Methods</i> , <b>2017</b> , 10, 2270-2280   | 3.4 | 28 |
| 31 | Optimization: Microwave irradiation effect on polyphenolic compounds extraction from winter savory ( <i>Satureja montana</i> L.). <i>Separation Science and Technology</i> , <b>2017</b> , 52, 1377-1386   | 2.5 | 6  |

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|----|--|-----|----|
| 30 | Recycling of filter tea industry by-products: Application of subcritical water extraction for recovery of bioactive compounds from <i>A. uva-ursi</i> herbal dust. <i>Journal of Supercritical Fluids</i> , <b>2017</b> , 121, 1-9   | 4.2 | 29 |
| 29 | Subcritical water extraction of wild garlic ( <i>Allium ursinum</i> L.) and process optimization by response surface methodology. <i>Journal of Supercritical Fluids</i> , <b>2017</b> , 128, 79-88  | 4.2 | 41 |
| 28 | Biorefining of filter tea factory by-products: Classical and ultrasound-assisted extraction of bioactive compounds from wild apple fruit dust. <i>Journal of Food Process Engineering</i> , <b>2017</b> , 40, e12572   | 2.4 | 3  |
| 27 | Antioxidative and cytotoxic activity of essential oils and extracts of <i>Satureja montana</i> L., <i>Coriandrum sativum</i> L. and <i>Ocimum basilicum</i> L. obtained by supercritical fluid extraction. <i>Journal of Supercritical Fluids</i> , <b>2017</b> , 128, 128-137 | 4.2 | 50 |
| 26 | Microwave-assisted extraction of wild apple fruit dust Production of polyphenol-rich extracts from filter tea factory by-products. <i>Journal of Food Process Engineering</i> , <b>2017</b> , 40, e12508   | 2.4 | 10 |
| 25 | Supercritical CO <sub>2</sub> Extraction of <i>Lavandula angustifolia</i> Mill. Flowers: Optimisation of Oxygenated Monoterpenes, Coumarin and Herniarin Content. <i>Phytochemical Analysis</i> , <b>2017</b> , 28, 558-566  | 3.4 | 18 |
| 24 | Optimization of <i>Satureja montana</i> subcritical water extraction process and chemical characterization of volatile fraction of extracts. <i>Journal of Supercritical Fluids</i> , <b>2017</b> , 120, 86-94   | 4.2 | 33 |
| 23 | Process Optimization of Chanterelle ( <i>Cantharellus cibarius</i> ) Mushrooms Vacuum Drying. <i>Journal of Food Processing and Preservation</i> , <b>2017</b> , 41, e12822  | 2.1 | 5  |
| 22 | Winter savory: Supercritical carbon dioxide extraction and mathematical modeling of extraction process. <i>Journal of Supercritical Fluids</i> , <b>2016</b> , 117, 89-97  | 4.2 | 26 |
| 21 | Effect of supercritical CO <sub>2</sub> extraction process parameters on oil yield and pigment content from by-product hemp cake. <i>International Journal of Food Science and Technology</i> , <b>2016</b> , 51, 885-893  | 3.8 | 9  |
| 20 | Recycling of filter tea industry by-products: Production of <i>A. millefolium</i> powder using spray drying technique. <i>Industrial Crops and Products</i> , <b>2016</b> , 80, 197-206  | 5.9 | 21 |
| 19 | Chemical composition and antioxidant properties of <i>Ocimum basilicum</i> L. extracts obtained by supercritical carbon dioxide extraction: Drug exhausting method. <i>Journal of Supercritical Fluids</i> , <b>2016</b> , 109, 20-25  | 4.2 | 27 |
| 18 | Drying of shiitake mushrooms in a vacuum dryer and optimization of the process by response surface methodology (RSM). <i>Journal of Food Measurement and Characterization</i> , <b>2016</b> , 10, 425-433  | 2.8 | 9  |
| 17 | Optimization of ultrasound-assisted extraction of bioactive compounds from wild garlic ( <i>Allium ursinum</i> L.). <i>Ultrasonics Sonochemistry</i> , <b>2016</b> , 29, 502-11  | 8.9 | 94 |
| 16 | Extraction of Minor Compounds (Chlorophylls and Carotenoids) from Yarrow-Rose Hip Mixtures by Traditional versus Green Technique. <i>Journal of Food Process Engineering</i> , <b>2016</b> , 39, 418-424   | 2.4 | 12 |
| 15 | Optimization of microwave-assisted extraction (MAE) of coriander phenolic antioxidants Response surface methodology approach. <i>Journal of the Science of Food and Agriculture</i> , <b>2016</b> , 96, 4613-22  | 4.3 | 20 |
| 14 | Chemical characterization of polyphenols and volatile fraction of coriander ( <i>Coriandrum sativum</i> L.) extracts obtained by subcritical water extraction. <i>Industrial Crops and Products</i> , <b>2016</b> , 87, 54-63  | 5.9 | 36 |
| 13 | Subcritical water extraction of sage ( <i>Salvia officinalis</i> L.) by-products Process optimization by response surface methodology. <i>Journal of Supercritical Fluids</i> , <b>2016</b> , 116, 36-45   | 4.2 | 48 |

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| 12 | Supercritical CO <sub>2</sub> extraction of hemp ( <i>Cannabis sativa</i> L.) seed oil. <i>Industrial Crops and Products</i> , <b>2015</b> , 76, 472-478   | 5.9 | 80  |
| 11 | Coriander seeds processing: Sequential extraction of non-polar and polar fractions using supercritical carbon dioxide extraction and ultrasound-assisted extraction. <i>Food and Bioprocess Technology</i> , <b>2015</b> , 95, 218-227 | 4.9 | 24  |
| 10 | Modeling and optimization of ultrasound-assisted extraction of polyphenolic compounds from <i>Aronia melanocarpa</i> by-products from filter-tea factory. <i>Ultrasonics Sonochemistry</i> , <b>2015</b> , 23, 360-8                   | 8.9 | 119 |
| 9  | Isolation of coriander ( <i>Coriandrum sativum</i> L.) essential oil by green extractions versus traditional techniques. <i>Journal of Supercritical Fluids</i> , <b>2015</b> , 99, 23-28  | 4.2 | 47  |
| 8  | Influence of pre-treatments on yield, chemical composition and antioxidant activity of <i>Satureja montana</i> extracts obtained by supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , <b>2014</b> , 95, 468-473   | 4.2 | 18  |
| 7  | Optimization of subcritical water extraction of antioxidants from <i>Coriandrum sativum</i> seeds by response surface methodology. <i>Journal of Supercritical Fluids</i> , <b>2014</b> , 95, 560-566                                  | 4.2 | 64  |
| 6  | Acetylcholinesterase inhibitory, antioxidant and phytochemical properties of selected medicinal plants of the Lamiaceae family. <i>Molecules</i> , <b>2014</b> , 19, 767-82  | 4.8 | 117 |
| 5  | Optimization of <i>Satureja montana</i> Extraction Process Considering Phenolic Antioxidants and Antioxidant Activity. <i>Separation Science and Technology</i> , <b>2014</b> , 49, 2066-2072  | 2.5 | 7   |
| 4  | Investigation of cultivated lavender ( <i>Lavandula officinalis</i> L.) extraction and its extracts. <i>Chemical Industry and Chemical Engineering Quarterly</i> , <b>2014</b> , 20, 71-86   | 0.7 | 18  |
| 3  | Effects of different extraction methods and conditions on the phenolic composition of mate tea extracts. <i>Molecules</i> , <b>2012</b> , 17, 2518-28  | 4.8 | 41  |
| 2  | Spray Drying as a Method of Choice for Obtaining High Quality Products from Food Wastes: A Review. <i>Food Reviews International</i> , 1-33  | 5.5 | 0   |
| 1  | Comparative Chemical Profiling of Underexploited <i>Arctostaphylos uva-ursi</i> L. Herbal Dust Extracts Obtained by Conventional, Ultrasound-Assisted and Subcritical Water Extractions. <i>Waste and Biomass Valorization</i> , 1     | 3.2 | 1   |