

Aleksandar Ž. Kostić

Associate professor- Chair of Chemistry and Biochemistry

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Aleksandar Ž. Kostić, PhD, is an associate professor at the Chair of Chemistry and Biochemistry, Faculty of Agriculture, University of Belgrade. He graduated at Faculty of Chemistry, University of Belgrade (Environmental chemistry) and took his PhD thesis in area of Analytical chemistry of natural products with PhD thesis related to physico-chemical, nutritional and microbiological characterization of bee-collected pollen from Serbia. He is teaching different Chemistry and applied courses based on chemical sciences at Faculty of Agriculture as a part of bachelor, master and doctoral studies. His research area is focused on Food chemistry, Phytochemistry and Applied environmental chemistry with particular focus on plant based raw materials and products, their chemical characterization and potential application in food and feed sectors. His specialty is examination of plant secondary metabolites as carriers of bioactivity, including, pigments, carotenoids, phenolics, phenyl amides, etc., with focus on their antioxidant properties. In addition, his research area is related to different nutrients (minerals, lipids, proteins, sugars), *in vitro* digestion of food, as well examination of functional food products including their biological activity and techno-functional properties. Further, prof. Kostić has experience in examination of toxic compounds in food with potential health risk assessment for consumers through application of contaminated food or drinking water. Until now, he published more than 200 scientific papers (including 1 book as Editor, 7 Book chapter, 100 peer-reviewed articles), 1 technical solution, 1 patent, 2 university textbooks, and 3 students handbooks. His articles have been cited more than 2000 times (Scopus data base accessed on February 3rd 2025) with h-index equal 25. He is one of the leading reviewers for top international journals (has been awarded by Publons platform as Top world reviewer in 2019) with more than 850 reviews verified on Web of Science (ex Publons) platform. He is an Associate Editor in the *Heliyon* journal (IF= 3.4) for Food Science section as well as member of the Editorial Board in the *Chemistry & Biodiversity* (IF=2.3) journal as well as *Journal of Trace Elements and Minerals*. He acted also as Guest Editor in several journals such as *Biomolecules* (IF=4.8), *Nutrients* (IF=4.8), *Foods* (IF=4.7), *Plants* (IF=4.0), *Chemistry & Biodiversity* (IF=2.3), *Phyton- an Experimental Journal of Botany* (IF=1.3). He also was reviewer of several project proposals for the Ministry of Education Science and Technological Development of Republic of Serbia, the Polish Science Fund and the Bosnian Federal Ministry of Education and Science. He has participated in 7 national research projects, including Ideja 2020 (FUNPRO project #7744714), as well as 2 COST actions. He is also a member of ISO standardization group (ISO/TC 34/SC 19) for bee bread quality as well as pollen IHC (International Honey Commission) working group. He participated in Organization of several Scientific Conferences as a member of Organizing/Scientific Committees. He is a member of several Associations such as the Serbian Chemical Society (Management Board member), the International Bee Research Association (IBRA), the Phytochemical Society of Europe (PSE), the Society for Medicinal Plant and Natural Product Research (GA), the Serbian Association of Food Technologists, the Serbian Nutrition Society, GHI for Serbia.

ORCID ID: 0000-0002-1012-4029; Scopus ID: 36439697400; Web of Science ID: A-8929-2019.