



MAJA KOZARSKI

FULL PROFESSOR
University of Belgrade, Serbia

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EDUCATION

2012 Ph.D.
Faculty of Chemistry, University of Belgrade

2006 Master's Degree
Faculty of Agriculture, University of Belgrade

1997 Bachelor
Faculty of Chemistry, University of Belgrade

PERSONAL SUMMARY

As a Professor at the Faculty of Agriculture, University of Belgrade, Maja has been researching the chemical and biological properties of higher mushrooms for more than 15 years. Maja's extensive collaborations include research institutions in Serbia, the Netherlands, France, Slovenia, India and Malaysia, leading to over 40 peer-reviewed publications in international journals, two academic books, four book chapters and more than 100 conference presentations. Her notable publications include papers on the prevention of oxidative stress, as well as on the chemical and biological characterization of mushroom extracts and compounds. According to Scopus, she has over 1,600 citations (excluding self-citations), h-index 16. She has contributed as a reviewer for over 100 publications in highly ranked international journals, books, and project proposals. She is a member of the International Society for Mushroom Science, the Serbian Chemical Society, the Serbian Society for Microbiology and the Serbian Nutrition Society.

SKILLS AND COMPETENCIES

- Courses/lectures in various areas of biochemistry at undergraduate, masters and doctoral levels. Supervision of students.
- Biochemistry of mushrooms and plants, extraction methods, chemical characterization, examination of bioactive potential of mushrooms and plants, study of enzyme activity, research of antioxidant activity and mechanism of action of mushroom bioactive compounds.
- Languages: native-Serbian, Polish; professional working-English; elementary-French.

WORK EXPERIENCE

- Full Professor | Faculty of Agriculture, University of Belgrade | Feb 2023 – Present
- Associate Professor | Faculty of Agriculture, University of Belgrade | Apr 2018 - Feb 2023
- Assistant Professor | Faculty of Agriculture, University of Belgrade | May 2013 - Apr 2018
- Teaching Assistant | Faculty of Agriculture, University of Belgrade | Jul 2003 - May 2013
- Research Assistant | Faculty of Agriculture, University of Belgrade | May 1998 - Jun 2003

SELECTED PUBLICATIONS

Kozarski, M., Klaus, A., Špirović-Trifunović, B., Miletić, S., Lazić, V., Žižak, Ž., Vunduk, J. 2024. Bioprospecting of selected species of polypore fungi from the Western Balkans. *Molecules*, 29, 314.

<https://doi.org/10.3390/molecules29020314>

Vunduk, J., Kozarski, M., Klaus, A., Jadranin, M., Pezo, L., Todorović, N. 2024. Preventing mislabelling of organic white button mushrooms (*Agaricus bisporus*) combining NMR-based foodomics, statistical, and machine learning approach, *Food Research International*, 198.

<https://doi.org/10.1016/j.foodres.2024.115366>

Kozarski, M., Vunduk, J. It Is Said That Antioxidants Are Our Answer to Immortality: An Insight into the Antioxidant Activity of *Ganoderma*, in: *Ganoderma: Cultivation, Chemistry, and Medicinal Application*, (Vol. 1), K. Acharya, S. Khatua (Eds.), 1st Edition, Taylor & Francis Ltd, London, 2024, pp. 61-86. ISBN: 9781032397610

<https://doi.org/10.1201/9781003354789>

Sarkar, J., Biswas, M. C., Naskar, A., Kozarski, M., *Ganoderma*-Antibacterial effectiveness and future scope, in: *Ganoderma: Cultivation, Chemistry, and Medicinal Application*, (Vol. 2), K. Acharya, S. Khatua (Eds.), 1st Edition, Taylor & Francis Ltd, London, 2024, pp. 20-48. ISBN: 9781003490258

<https://doi.org/10.1201/9781003490258>

Kozarski, M., Klaus, A., van Griensven, L., Jakovljevic, D., Todorovic, N., Wan-Mohtar, W.A.A.Q.I., Vunduk, J. 2023. Mushroom β -glucan and polyphenol formulations as natural immunity boosters and balancers: nature of the application, *Food Science and Human Wellness*, 12, 378-396.

<http://doi.org/10.1016/j.fshw.2023.04.034>

Kozarski, M., van Griensven, L.J.L.D. Oxidative stress prevention by edible mushrooms and their role in cellular longevity, in: S.B. Dhull, A. Bains, P. Chawla, P.K. Sadh (Eds.), *Wild Mushrooms Characteristics, Nutrition, and Processing* (1st Edition), Taylor & Francis Ltd, London, 2022, pp. 319-348. ISBN: 9780367692513

<https://doi.org/10.1201/9781003152583>