Special Issue

Fungal Metabolites: Powering Pharmacological and Agricultural Frontiers

Message from the Guest Editors

This Special Issue aims to delve into the latest research and developments in the field of fungal metabolites, covering a broad spectrum of topics including but not limited to the following:

Pharmacological applications: Investigating the pharmacological properties of fungal metabolites, including their potential as antimicrobial agents, anticancer drugs, immunomodulators, neuroprotective agents, and beyond.

Agricultural innovations: Exploring the agricultural applications of fungal metabolites in enhancing crop productivity, disease management, and stress tolerance. Research focusing on the biocontrol potential of fungal secondary metabolites against plant pathogens, as well as their role in promoting plant growth and resilience through biopriming, will be highlighted.

Bioactive compound discovery: presenting novel findings in the discovery and characterization of bioactive compounds derived from fungi, including screening methodologies, isolation techniques, structural elucidation, and the synthesis of fungal metabolites with potential pharmaceutical or agricultural relevance.

Guest Editors

Dr. Maja Karaman

Department of Biology and Ecology, Faculty of Sciences, University of Novi Sad, 21000 Novi Sad, Serbia

Dr. Ewa Zapora

Institute of Forest Sciences, Faculty of Civil Engineering and Environmental Sciences, Bialystok University of Technology, Wiejska 45E, PL-15-351 Bialystok, Poland

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Microorganisms
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
microorganisms@mdpi.com

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About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

Dr. Nico Jehmlich
Department of Molecular Toxicology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

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