

## Special Issue

# Exploring Microorganisms and Their Bioactive Secondary Metabolites: From Nature to Application

### Message from the Guest Editors

This Special Issue of *Molecules* focuses on microorganisms and their bioactive secondary metabolites, with the aim of exploring these natural treasure troves from their sources of origin to their innovative applications. Microbes produce a wide range of bioactive compounds which perform specific biological functions, with great significance in various fields, including medicine and industry. This Special Issue covers a wide range of relevant topics, such as strategies for accessing new natural products, biosynthesis, chemical composition, biological activity, mechanisms of action and regulations. It also examines microbial secondary metabolites as a foundation for drug discovery to address challenges such as the antimicrobial resistance crisis. Furthermore, it highlights research into the application of these compounds in other sectors, e.g., agriculture, environmental remediation or food preservation. Research on promising new sources of chemical entities, such as unexplored microbial taxa or ecological niches, is of particular interest.

### Guest Editors

Dr. Monika Elżbieta Jach

Dr. Ewa Sajnaga

Prof. Dr. Adrian Wiater

### Deadline for manuscript submissions

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## Molecules

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## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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### Editor-in-Chief

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