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Analysis of Specialized Metabolites in Natural Products

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Message from the Guest Editors

Dear Colleagues,

We are pleased to announce a Special Issue dedicated to the “Analysis of Specialized Metabolites in Natural Products”. Specialized metabolites, also known as secondary metabolites, play crucial roles in organisms–environment interactions, contributing to defense mechanisms, signaling, and adaptation. These compounds, often unique to specific species, are characterized by remarkable biological and pharmacological properties. This Special Issue aims to bring together cutting-edge research and reviews that explore the diverse methodologies and technologies employed in the isolation of these compounds and the determination and evaluation of their structure, pharmacological properties, and drug potential. We invite contributions that cover a broad spectrum of topics, including but not limited to analytical techniques, metabolite identification and characterization, bioactivity evaluation, and applications in natural product research. This Special Issue aims to provide a comprehensive overview of the current state of research in the field and highlight future directions and challenges.

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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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