

Special Issue

Advances in Secondary Metabolites: Phytochemical Analysis and Bioactivity Assays

Message from the Guest Editors

Medicinal, aromatic and food plants represent a valuable resource for both human and animal health and well-being. Each plant species is characterized by the presence of secondary metabolites, which may or may not exhibit specific biological activities. Although the term "secondary" might suggest that these compounds are of lesser importance compared to primary metabolites, secondary metabolites are, in fact, of great interest due to their unique chemical properties. Different classes of molecules can exhibit a range of biological activities that contribute to improving individual well-being. Unlike synthetic drugs, which contain a single active ingredient, plants are characterized by complex mixtures of molecules, known as the phytocomplexes. For this reason, when studying plants to analyze their biological activities, it is essential to consider not only the individual molecules but also the entire metabolic profile. The aim of this Special Issue is to provide a platform for research on the characterization and/or quantification of secondary metabolites in medicinal, nutritional, and cosmetic plants, possibly in combination with biological analyses of plant extracts.

Guest Editors

Dr. Chiara Toniolo

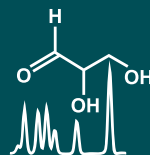
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About the Journal

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.

Editor-in-Chief

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