Special Issue

New Insights in Plant Metabolism and Chemodiversity

Message from the Guest Editors

Plants' wide-ranging metabolic diversity reflects the physiological context facing cells and tissues, and whole organisms. As both sessile and autotrophic organisms, plants have developed a sophisticated branched metabolic pathway, resulting in rich chemical production referred as chemodiversity. This vast chemical arsenal is used in plant defense, ecological interaction or for bioeconomical purposes, and has numerous useful applications. For our Special Issue, "New Insights in Plant Metabolism and Chemodiversity", we are seeking submissions of cutting-edge research articles highlighting the functionality of chemodiversity in plants in an environmental, stress or even biotechnological context. Works addressing how plants modulate their chemodiversity in response to biotic and abiotic factors, and which techniques and approaches are promising for understanding these relationships and unlocking plant biodiversity, are of particular interest. Areas of interest include (but are not limited to): plant omics, molecular biology, biochemistry, physiology, and evolution in plants' primary and specialized (secondary) metabolism.

Guest Editors

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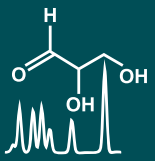
Deadline for manuscript submissions

closed (15 February 2025)



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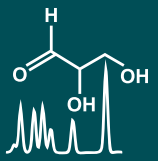

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About the Journal

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

Dr. Amedeo Lonardo
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