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Metabolomics to Explore Specialized Metabolites Involved in Chemical Ecology

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closed (31 December 2021)

Message from the Guest Editors

Specialized metabolites are often involved in the interactions of the producing organisms with their environment. The investigation of these interactions is the core of chemical ecology. In this context, the key aspects are the identification of the metabolites involved and the understanding of how these compounds perform their action.

Metabolomics has been proposed as an invaluable tool to address these challenging tasks. This approach can be used to identify the chemicals involved in the interaction as well as to tackle the mechanistic aspects related for example to compounds’ biosynthesis, emission, uptake, metabolism, and mode of action.

This Special Issue welcomes submissions (both in the form of original research papers and reviews) that deal with the study of specialized metabolites involved in chemical ecology through metabolomics and related technologies:

- New metabolomics-based methods in chemical ecology;
- The discovery of new compounds involved in chemical ecology through metabolomics;
- Metabolomics-guided elucidation of the role/biosynthesis/metabolism/mode of action of both new and known metabolites involved in chemical ecology.



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Message from the Editor-in-Chief

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