

Special Issue

Metabolomics Approaches in Chemical Ecology: Decoding Interspecies Interactions Through Metabolic Profiling

Message from the Guest Editors

Chemical cues are ubiquitous, existing for organisms of all shapes, sizes, and complexities. Playing vital roles in mediating both intra- and interspecies interactions, chemical cues have the ability to regulate populations and alter community structure, thus necessitating a thorough understanding of the causative compounds. This need is further supported as the number of vulnerable habitats and organisms continues to increase at an alarming rate. Recent advances in analytical techniques, such as nuclear magnetic resonance spectroscopy (NMR), mass spectrometry (MS), and theoretical modeling/predictions, coupled with multivariate statistics, have brought the ability to investigate the role of these ecologically impactful compounds to the average researcher. As the prevalence of metabolomics-style investigations has increased, our understanding of how organisms communicate through chemistry has expanded. This Special Issue is dedicated to the application of metabolomics investigations to better understand the role of chemistry in interspecies interactions

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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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