



Metabolites: From Physiology to Pathology

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Message from the Guest Editors

Dear Colleagues,

Metabolite activity is a fascinating aspect of cellular metabolism because, through interaction, metabolites serve as direct modulators of biological processes and phenotypes. These findings have already shown the significant impact of metabolites on biological systems. However, more recently, with the advent and evolution of metabolomics technologies, the discovery of active metabolites with the capability to change cell physiology has grown rapidly. These studies highlight the intrinsic biological activity of metabolites and provide new import to the value of metabolomics, as a way to identify metabolites that act as drivers of biological processes and, thus, better understand their physiological role.

This Special Issue will include studies on the role of metabolites, not only as a "simple molecule involved in a physiological reaction" but as a predictive disease biomarker that could be used as a prognostic target in several disorders, metabolic and not. Research articles collecting data from both in vitro and in vivo investigations are welcome.





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Editor-in-Chief

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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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