



Chromatographic Methods in Metabolomics

Guest Editors:

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Deadline for manuscript
submissions:

closed (31 August 2019)

Message from the Guest Editors

Dear Colleagues,

Analytical approaches based on liquid or gas chromatography coupled to mass spectrometry have become a powerful tool for the measurement and quantification of specific classes or groups of metabolites. This Special Issue of *Metabolites*, “Chromatographic Methods in Metabolomics”, will be dedicated to the different workflows based on LC or GC coupled to mass spectrometry, including data mining and handling procedures. Objects could be humans, animals, cell cultures, and bacteria, among others. The topics that will be covered by this Special Issue include, but are not limited to: Biofluids and tissue metabolomics, including sample preparation for chromatographic analysis, targeted and untargeted LC/GC–MS analysis and their applications, complementary methodologies to investigate gut microbiota and the relationship with the metabolome, quality assurance, metabolic flux analysis based on LC/GC–MS analysis, and challenges in metabolite annotation by LC or GC mass spectrometry. Manuscripts dealing with other suitable challenging issues are also encouraged.





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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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