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Profiling of Secondary Metabolites with Mass Spectroscopy-Based Methods

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Message from the Guest Editors

Dear Colleagues,

Nearly all organisms except birds and mammals produce secondary, or as they are recently called, specialized metabolites. They comprise terpenoids, aromatic and non-aromatic polyketides, phenols, alkaloids and non-ribosomal peptides. In attempts to explore their often-controversial biological function, efficient qualitative and quantitative analytical methods are required for analysis. Linking gas- and liquid chromatography to mass spectrometry has developed into the method of choice for state-of-the-art profiling for secondary metabolites. The aim of this Special Issue is to provide an overview on the analysis of secondary metabolites in the age of metabolomics with mass spectrometry-based methods. Comments on useful statistical methods, available databases for structure elucidation and progress in methodology are welcome. We hope that the insights presented from expert laboratories will be a valuable guide for the community of researchers investigating secondary metabolites besides of primary (sugars, organic- and amino acids amongst others) that usually represent the focus in metabolomic studies.

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Guest Editors



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Special Issue



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