

Special Issue

Profiling of Secondary Metabolites with Mass Spectroscopy-Based Methods

Message from the Guest Editors

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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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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