Special Issue

The Applications of LC-MS/MS Technique in Natural Products

Message from the Guest Editor

Irrespective of natural compounds' origin or their activity, the identification of natural active compounds is of the greatest importance. In the last 25 years, mass spectrometry (MS), and, even more so, tandem mass spectrometry (MS/MS and MSn) coupled with liquid chromatography (LC from UHPLC to nanoLC) have become some of the most useful and powerful analytical methods for the structural elucidation and quantification of natural compounds in complex matrices. I would like to invite you to contribute to this Special Issue dedicated to the key role of LC-MS/MS techniques in the modern analysis of natural products. This topic may cover the development of original LC-MS/MS methods (including sample treatment) for the characterization and the quantification of natural compounds in complex matrices as well as their applications in a wide range of areas according to, but not limited to, their activities (e.g., antibacterial, antioxidant, enzymatic, anti-ageing and nutraceutical, etc.), the organism (from bacteria to plant and animal) or the analytical strategy (targeted to untargeted analyses).

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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