Special Issue

Exploring the OMICS Platforms in Food Analysis II

Message from the Guest Editors

The first edition of the Special Issue on “Exploring the OMICS Platforms in Food Analysis” was very rewarding, comprising fourteen papers. Thus, due to the great success of this first edition, we are pleased to inform you that Molecules will be launching a second edition of the Special Issue.

OMICS technologies have now emerged as self-standing research fields relying on well-established and recognized analytical methods, such as mass spectrometry techniques (GC-MS and LC-MS/MS), in addition to modern spectroscopic approaches based on NMR (1H; 13C), IR and sensor technologies, to better characterize food matrices, identifying their components and defining nutritional properties. This comprehensive strategy, based on the integration of foodomic platforms, combined with high-resolution analytical approaches and data processing, can help us to elucidate some critical issues in food analysis related with food safety and food quality. In turn, this will progress our understanding of the biochemical, molecular, and cellular mechanisms related with the health benefits of bioactive food components.

Guest Editors

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Deadline for manuscript submissions

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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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