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Direct Injection Mass Spectrometry Analysis of Volatile Compounds in Food Applications

Guest Editors:

Dr. Franco Biasioli

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Deadline for manuscript submissions:
31 December 2024

Message from the Guest Editors

The direct, rapid, and non-invasive analysis of volatile organic compounds in foods presents an efficient and highly informative tool to support the agroindustry and food science.

This Special Issue aims to gather research papers, reviews and commentaries covering all facets of volatile compounds analysis food using direct injection mass spectrometry and other direct methods, including proton transfer reaction–mass spectrometry (PTR-MS), atmospheric pressure chemical ionization–mass spectrometry (APCI-MS), selected ion flow tube–mass spectrometry (SIFT-MS), direct analysis in real-time mass spectrometry (DART-MS), and secondary electrospray ionization–mass spectrometry (SESI-MS), amongst others. We invite contributions that span the entire spectrum of this field, from fundamental principles to practical applications, including integration with other analytical techniques.

This Special Issue is associated with the 1st International Symposium on Direct Injection for Food Flavor Analytics (DIFFA23; 20-22 September 2023, Italy). Special considerations and submission benefits will be provided to conference attendees.

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Editor-in-Chief

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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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