

## Special Issue

# Advanced Mass Spectrometry Imaging for Analysis of Plant Metabolites in Food and Plant Sciences

### Message from the Guest Editors

Mass spectrometry (MS) plays an important role in the analysis of plant metabolites. High-performance liquid chromatography-MS and gas chromatography-MS are used for the quantitative and qualitative analyses of plant metabolites in plant tissues, as well as in animal tissues after consumption. These techniques provide important information for understanding the biological and physiological functions of the plant metabolites of interest. However, obtaining distributional data is often difficult using these techniques because they require metabolite extraction from biological samples. Mass spectrometry imaging (MSI) is an ideal complementary technique used to visualize the distribution of metabolites of interest in subjects of analysis without the need for complicated preliminary procedures. In this Special Issue, we hope to introduce various studies using MSI for the analysis of plant metabolites. We would also like to extend this Special Issue to include studies on algae.

### Guest Editors

Dr. Hirofumi Enomoto

Dr. Mitsunori Seo

Dr. Koji Miyamoto

### Deadline for manuscript submissions

closed (31 January 2021)



## Molecules

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### Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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