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)



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Message from the Editor-in-Chief

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