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## Advances in Chemical Analysis of Plants

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### Message from the Guest Editor

The chemical analysis of plants is a wide but fascinating topic for this Special Issue of *Plants*, and an incredibly fast-evolving research area transiting from the traditional mineral and nutritional analytical methods to the new era dominated by high-throughput mass spectrometry (MS) for plant ionomics and metabolomics. It is also a research area transiting from slow sample analysis with time-consuming sample preparation, to novel in vivo real-time analysis (from the lab bench instrumentation, to the in situ field portable equipment), and from single-parameter quantification to multi-parameter prediction with chemometrics. Accordingly, this Special Issue of *Plants* aims to show how the chemical analysis of plants plays a central role in agronomy, food science, pharmacology or environmental science, covering hot scientific topics such as plant adaptation to global warming and abiotic stresses, soil to nutrition and biofortification, phytoremediation, novel phytochemicals and many other topics related to the field of applied plant sciences.



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# Special Issue



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## Message from the Editor-in-Chief

*Plants* is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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