

Special Issue

Geographical Origin and Nutrient Analysis of Plants Using Stable Isotopes and Chemometrics

Message from the Guest Editors

Stable isotope analyses are popular tools for plant origin discrimination. It has been applied to geographical origin verification of plants such as crops, fruit, and tea. Stable isotope combined with chemometrics can effectively reveal the geographical origin and nutritional composition of plants, as well as the influence by environmental factors, providing a key scientific basis for agriculture, ecology, and food science fields. This Special Issue aims to gather the latest advances in the use of stable isotopes and chemometrics to study plant geographical origin and nutrient composition. The theme covers, but is not limited to, the following directions:

- Application of stable isotopes in plant geographic origin and/or nutritional analysis, including authenticity identification of plant-based foods;
- The relationship between plant stable isotopes and/or nutrients and environmental factors;
- Application and optimization of chemometrics in plant geographic origin and/or nutritional analysis.

Guest Editors

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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.

Editor-in-Chief

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