## Special Issue

# Challenges of Technology and Processing for Plant Extraction

## Message from the Guest Editors

With the growing global emphasis on sustainability, plant extracts must be obtained through environmentally responsible methods to support advancements in pharmaceuticals, cosmetics, food, and nutraceuticals. However, conventional extraction techniques often face challenges related to efficiency, selectivity, environmental sustainability, and scalability. This Special Issue explores innovative approaches to plant extraction, with a focus on overcoming technological and processing limitations. Emphasis will be placed on green solvents, advanced extraction technologies, process optimization, and biorefinery integration. Contributions addressing the scale-up of extraction processes, regulatory considerations, and sustainability assessments are also welcome. By bringing together interdisciplinary research, this Special Issue aims to highlight novel methodologies that enhance extraction efficiency, improve bioactive compound recovery, and reduce environmental impact. The findings will contribute to advancing plant extraction technologies, ensuring their industrial feasibility while aligning with the principles of green chemistry and the circular economy.

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## Deadline for manuscript submissions

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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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