

## Special Issue

# Functional Components and Bioactivity of Edible Plants

### Message from the Guest Editor

Plants have long been consumed not only as food sources to satisfy hunger but also as supplements of essential nutrition and bioactive compounds. With the growing global interest in natural, health-promoting bioactive compounds, the exploration of functional components in plants has gained significant momentum. Key functional components in plants—such as polyphenols, flavonoids, terpenoids, alkaloids, and plant peptides—have demonstrated a broad spectrum of bioactivities, including antioxidant, anti-inflammatory, antimicrobial, antidiabetic, and neuroprotective effects. Understanding the structure–activity relationships, mechanisms of action, and potential applications of plant bioactive compounds is essential for developing functional plant-based foods, nutraceuticals, and therapeutic agents. This Special Issue aims to present recent advances in the extraction, identification, and biological assessment of plant-derived functional ingredients, as well as their implications for health promotion and disease prevention. The submission of interdisciplinary studies that bridge phytochemistry, pharmacology, food science, and nutrition is welcome.

### Guest Editor

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### Deadline for manuscript submissions

2 March 2026



## Plants

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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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### Editor-in-Chief

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