

Special Issue

Bioactive and Functional Compounds in Plant Fruits, Flowers and Seeds: Biosynthesis and Regulation

Message from the Guest Editors

A certain group of primary and secondary metabolites are produced by plant flowers, fruits and seeds. The primary metabolites, e.g., amino acids, carbohydrates and lipids, provide the human body's main source of nutrition. A large part of the secondary metabolites process extraordinary biological activities, which are extensively used for medical and other culinary purposes. The biosynthesis and regulation of these metabolites is a complex and multiphasic process, which is involved in a series of abiotic and biotic factors, e.g., plant phytohormones and environment stress. The ability to understand and to manipulate the process is crucial for plant breeding and quality improvement. An in-depth understanding of this aspect helps researchers improve food quality and confer resistance or tolerance to adverse conditions in agriculture. This Special Issue aims to provide a hub for the scientific community to share their research with others. We welcome original research papers and review articles in all areas.

Guest Editors

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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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