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Roles of Secondary Metabolites in Plants

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Message from the Guest Editor

Dear Colleagues,

Plants accumulate different organic molecules called secondary metabolites. Secondary metabolites (SM) are low molecular weight compounds that are not necessary for plants to live but play a crucial role for crop quality and in the interaction of the plant with its ecosystems. These compounds are often involved in plants protection against biotic (bacteria, fungi, nematodes, insects, or grazing by animals) or abiotic (higher temperature and moisture, shading, injury, or presence of heavy metals) stresses. Plants are also an important source for the discovery of new products of medicinal value, and plants' secondary metabolites are good sources for human pharmaceuticals. Root, stem, leaves, fruits, and flowers of plants have been found to possess secondary metabolites.

In this Special Issue, we will publish papers on secondary metabolites and their functions in plants, including their involvement in plant protection against biotic or abiotic stresses, as well as the contribution of secondary metabolites to flower colors and pharmaceuticals.



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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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