

Special Issue

Phytochemical Compounds and Antioxidant Properties of Plants

Message from the Guest Editor

Phytochemical compounds are essential bioactive molecules found in plants, playing a crucial role in their defense mechanisms against environmental stressors, pathogens, and herbivores, while simultaneously offering substantial benefits for human health. Among their many biological activities, antioxidant properties stand out due to their potential health benefits and diverse applications in medical, food, pharmaceutical, and cosmetic industries. Recent advances in analytical techniques have revolutionized our understanding of the structural diversity and biological activities of plant antioxidants, including polyphenols, flavonoids, carotenoids, alkaloids, and terpenes. This Special Issue aims to explore recent advances in the identification, characterization, and utilization of plant-derived phytochemicals with antioxidant properties.

Guest Editor

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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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