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Antioxidant Activity of Medicinal and Aromatic Plants

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Message from the Guest Editors

Dear Colleagues,

Medicinal and aromatic plants have been used worldwide in folk medicine or as food preservatives throughout human history; however, for most plant species, there is still a scarce scientific basis that relates their chemical composition with specific therapeutic effects, including antioxidant activity. Some scientific advances have allowed the understanding of the functional and medicinal relevance of this type of plant. They include biological, physicochemical, and functional characterization; applying botanical pharmacognosy and statistical tools to optimize the extraction of antioxidant compounds; drug delivery to improve bioavailability; metabolomics to study phytochemicals; and plant tissue culture as a sustainable management strategy.

This Special Issue of Plants will highlight the exploration of medicinal and aromatic plants used in different regions of the world as sources of antioxidant compounds, based on their phytochemistry, metabolomics, plant tissue culture, extraction conditions, drug delivery, and botanical pharmacognosy.



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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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