

Special Issue

Bioactive Compounds from Medicinal Plants and Plant-Based Foods: Advances and Opportunities

Message from the Guest Editors

Investigations on natural products have recently regained prominence with the increasing understanding of their biological significance and increasing recognition of the origin and function of structural diversity. Medicinal plants and plant foods have always represented a valuable source of new active compounds and of potential lead compounds for the discovery of new drugs. At the same time, a great deal of evidence supports the existence of an inverse correlation between adherence to specific diets based on the consumption of fruits, vegetables, and edible plants and the occurrence of various human degenerative diseases. The focus of this Issue includes all aspects of natural products as potential bioactive agents for the prevention and/or treatment of degenerative diseases through the development of new drugs, functional foods, or food supplements. Subtopics: Natural products from higher plants; Isolation methodologies and techniques; Structural elucidation, Metabolomic studies and Molecular modeling studies of bioactive compounds or extracts; Functionalization of food with bioactives; Application of biotechnology to improve extraction of bioactives.

Guest Editors

Prof. Dr. Rosa Tundis

Department of Pharmacy, Health and Nutritional Sciences, University of Calabria, Via P. Bucci, Edificio Polifunzionale, 87036 Arcavacata Rende, CS, Italy

Prof. Dr. Monica Rosa Loizzo

Department of Pharmacy, Health and Nutritional Sciences, University of Calabria, 87036 Rende, CS, Italy

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
plants@mdpi.com

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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, and 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

Prof. Dr. Dilantha Fernando

Department of Plant Science, University of Manitoba, Winnipeg, MB
R3T 2N2, Canada

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