

Special Issue

Molecular Studies on Plant and Plant In Vitro Systems Secondary Metabolism

Message from the Guest Editor

For centuries, plants have been intensively utilized as reliable sources of food and flavoring. Along with the primary metabolites, plants are notable for their considerable spectrum of secondary metabolites (SMs), such as phenylpropanoids and their derivatives (flavonoids, phenolic acids, and lignins), terpenes (isoprenoids and terpenoids), and nitrogen-containing compounds (alkaloids and heterocyclic aromatics) that possess beneficial biological activities which are important to humans, including anticancer, anti-inflammatory, antimicrobial, and antioxidant properties, among others. Currently, these compounds are obtained via plant raw material extraction, plant in vitro systems cultivation, or chemical synthesis. In general, the content of these SMs in plants is very low (

Guest Editor

Dr. Andrey Marchev

Laboratory of Eukaryotic Cell Biology, Department of Biotechnology, The Stephan Angeloff Institute of Microbiology, Bulgarian Academy of Sciences, 139 Ruski Blvd, 4000 Plovdiv, Bulgaria

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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