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Mediterranean Plants Diversity: Chemical Characterization, Biological Activity and Application Fields

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Deadline for manuscript submissions:

closed (31 January 2024)

Message from the Guest Editors

Climate change and the safeguarding of biodiversity represent two of the key environmental challenges of our time. During the course of evolution, plants have developed mechanisms of physical and chemical defense against various adverse environmental factors. Of these strategies, one of the most important is the production of secondary metabolites, which provide plants with greater resistance to biotic or abiotic stress. Plants are a valuable source of bioactive compounds, as well as minerals and carbohydrates (e.g., fructose or inulin). This enables their application in different sectors, such as the food, pharmaceutical and cosmetic industries.

The Mediterranean basin is one of the world's major centers of biodiversity. For this reason, collective commitment and action are required to preserve and enhance the genetic resources available in this part of the world. This Special Issue aims to contribute towards efforts to enhance Mediterranean plant biodiversity through research adopting multidisciplinary approaches so as to highlight the morphological and biochemical characteristics of different plant species and their potential applications.



mdpi.com/si/152424

Special Issue



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Message from the Editor-in-Chief

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