

Special Issue

Biochemistry and Molecular Biology of Plant-Based Foods: From In Natura Prospection to Biological and Technological Application

Message from the Guest Editor

In this Special Issue, we will highlight not only chemical and biochemical studies (from the perspective of plant physiology) on plant food that is already consumed by humans, but which also cover the prospection of new plants for food. The issue will focus on the identification and use of non-conventional food plants (PANCS) and the physiological studies of these plants. In addition, the Special Issue will address the use of plant parts to produce processed foods with unique plant-derived ingredients, whether to increase shelf life or nutritional value, and the development of new processed foods. Prospective studies of new raw materials to create new plant-based foods with unique and peculiar characteristics, and physical-chemical and nutritional studies will also be considered. Novel studies encompassing alternative vegetable proteins and nanoencapsulation techniques exclusively using plant materials are welcome. Finally, this Special Issue will consider the application and analysis of the biological effects of plant-derived bioactive compounds that could be used as food supplements.

Guest Editor

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About the Journal

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.

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