

Special Issue

Bioprospecting of Natural Products from Medicinal Plants

Message from the Guest Editors

For centuries, nature has been used as a source of medicines to treat numerous diseases. Easy access to these plants makes them an excellent source of bioactive molecules for the development of new drugs, leading to a high diversity of plant-derived compounds used in the pharmaceutical industry. For example, paclitaxel (Taxol®) and vinblastine (Velban®), derived from *Taxus brevifolia* Nutt. and *Catharanthus roseus* L., respectively, are used for cancer treatment; *Physostigma venenosum* Balf. and *Galanthus caucasicus* L. naturally produce the active principle of the commercial drugs physostigmine (Exelon®) and galantamine (Nivalin®), respectively, which are used for the treatment of Alzheimer's disease. Considering the high interest in plant-derived products, this Special Issue will contribute to expanding the knowledge on the natural products derived from medicinal plants with diverse biotechnological applications (e.g., pharmaceutical, cosmetic, food, health supplementation, and food additives).

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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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