

Special Issue

Plant-Based Bioactive Natural Products: Insights into Molecular Mechanisms of Action

Message from the Guest Editor

Medicinal plants have been used for the maintenance of human health since ancient times in the form of food, spices, and traditional medicines. Medicinal plant-based traditional medicines serve as the primary healthcare systems in various countries even at present. Along with that, medicinal plants have also served as the one of the main sources for the discovery of new therapeutic agents. At present, various plant extracts and their isolated phytochemicals are screened and evaluated for their diverse pharmacological activities related to both communicable and non-communicable diseases. However, comparatively little focus is given to the detailed mechanism of action of these agents on the molecular level. Molecular mechanism-based studies are essential for the development of evidence-based traditional medicines as well as for the development of isolated natural products as the lead candidates for novel drug discovery. This Special Issue aims to cover the recent advances in science related to the molecular mechanisms of action of natural products. Original articles, communications, and reviews related to these topics are welcome for submission.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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