

Special Issue

Advances in Chemotaxonomy of Plants

Message from the Guest Editors

In most cases without knowing, mankind has always practiced the art and science of chemotaxonomy (which plants are fit to what purpose, based on the material properties/constituents to be expected from their identity), as it essentially combines the basic skills of taxonomy (recognition and intellectual management of biodiversity) and natural product chemistry (investigation/use of taxon-specific constituents). While its scientific fundamentals are rooted deeply in the history of science (with Hegnauer's monumental "Chemotaxonomie der Pflanzen" of 1962–2001 marking an important milestone), only recently have new analytical methods (disclosing a bewildering array of natural products and their metabolism) and access to a wide range of source materials (disclosing a diverse array of taxa and their mutual relationships) provided more detailed data and improved understanding of their significance. The purpose of this Special Issue is to document the status quo and to outline future perspectives of chemotaxonomy, based on exemplary recent research. It is open to articles on novel methods and/or results contributing to this aim.

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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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