Special Issue

Extraction, Composition and Comparison of Plant Volatile Components

Message from the Guest Editors

The isolation of plant volatiles, which are important specialized metabolites, can be accomplished by classical and green extraction techniques. Classical extraction techniques include steam distillation, hydrodiffusion, hydrodistillation, destructive distillation, and cold pressing. Green extraction techniques include turbo distillation, ultrasound-assisted extraction, microwave-assisted extraction, and instant controlled pressure drop technology. Depending on the isolation technique, the compositions of the substances extracted from the same plant material may vary. This depends on the duration of extraction, temperature, pressure, and quality of the plant material. The aim of this Special Issue of *Plants* is to publish studies dealing with the effects of different extraction procedures and their impact on the qualitative and quantitative composition of plant isolates. The research can describe the importance of various free volatile compounds to quality parameters of plants. Research comparing different biological potential of plant extracts obtained by different extraction methods is also useful.

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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, 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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