Special Issue

Green Extraction of Natural Products for Application in Pharmaceuticals, Foods, Cosmetics and Agriculture

Message from the Guest Editors

The extraction of bioactive molecules using green chemistry ensures the environmental protection of the natural products employed in pharmaceuticals, food, and cosmetics. The energies generated via the use of ultrasonics, microwaves, thermomagnetic induction, the subcritical or supercritical conditions of solvents such as water, CO2 and N2, and SPME (solid-phase microextraction) are an alternative to conventional methods. Gas and liquid chromatography techniques, mass spectrometry, time-of-flight analyzers, and other related techniques enable the efficiency of extraction processes to be measured through yield, purity, and the selective isolation of compounds. The optimization of these methods could reduce the number of experiments performed and the processing time, among other variables. In this Special Issue, we welcome submissions that explore new green extraction methods, strategies that enhance the yield of compounds, and their effects on the development of novel pharmaceuticals, food products, cosmetics and agricultural applications.

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Editor-in-Chief

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