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Synthesis of Flavonoids or Other Nature-Inspired Small Molecules

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Message from the Guest Editor

Dear Colleagues,

Natural compounds are characterized by a unique variety of chemical structures, functional groups, and stereochemical properties. Moreover, from the medicinal chemistry point of view, several naturally occurring small molecules are endowed with valuable biological activities and have inspired the design and development of drugs. Flavonoids represent an outstanding example among natural compounds.

This Special Issue aims at collating original contributions describing the synthesis of natural compounds and semi-synthetic derivatives of natural molecules. Articles should contain original and efficient synthetic approaches or significant process innovations in the preparation of natural and semi-synthetic compounds, with a particular focus on biologically relevant molecules. Moreover, research articles reporting significant results concerning extraction procedures, structural elucidation and structural characterization of natural compounds and derivatives involving the use of advanced analytical techniques (chromatography, 1D and 2D NMR, mass spectrometry, IR and UV spectroscopy) are particularly welcome.

Dr. Giovanni Ribaudò

Guest Editor



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Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

Molbank is a unique electronic journal that rapidly publishes very short articles, which typically encompass one compound per paper (“short notes”) as well as “communications”. The aim of this format is to prevent potentially useful scientific information from being lost. In many research groups, there are unpublished compounds that are available, which do not truly fit into a full paper or even a conventional short paper, e.g. because the main work in a series of compounds has already been published. Nevertheless, somebody else might be interested in just this particular compound. Molbank offers an excellent platform for preserving the aforesaid kind of information.

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