

Special Issue

Isolation, Characterization and Activity Evaluation by Bioactive Compounds from Plants

Message from the Guest Editor

The effects of bioactive plant extracts can result from the interaction of an array of chemically diverse components, which depend on identity and concentration. It is necessary to know the specific components responsible for these effects and the mechanisms of action by which they interact. This information, in turn, would allow better control of the most significant and reproducible activities of natural products from plants. A common approach to studying plant samples is bioactivity-guided fractionation, where, active extracts are screened for those containing bioactive compounds. This Special Issue will cover the isolation, characterization and activity evaluation aspects of compounds from plant extracts. In recent years, special interest has been paid to these secondary metabolites with phytotoxic properties, also called allelochemicals, as they seem to be a fruitful challenge to combine traditional agricultural practices and new approaches in pest and weed management strategies.

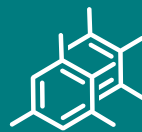
Guest Editor

Prof. Dr. Ascension Torres

Allelopathy Group, Department of Organic Chemistry, Institute of Biomolecules (INBIO), Campus de Excelencia Internacional Agroalimentario (ceiA3), University of Cádiz, C/Avda. República Saharaui, 7, 11510 Puerto Real, Cádiz, Spain

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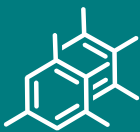


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Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

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As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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