



Isolation and Structure Elucidation of Bioactive Compounds (Dedicated to the memory of the late Professor Charles D. Hufford)

Guest Editors:

Prof. Dr. Muhammad Ilias

National Center for Natural
Products Research, Research
Institute of Pharmaceutical
Sciences, School of Pharmacy,
Thad Cochran Research Center,
University of Mississippi,
University, MS 38677, USA

Prof. Dr. Charles L. Cantrell

United States Department of
Agriculture, Agricultural Research
Services, Thad Cochran Research
Center, University, MS 38677, USA

Deadline for manuscript
submissions:

closed (31 December 2018)

Message from the Guest Editors

Isolation and structure determination of these diverse bioactive molecules that only nature can produce, has become a key area for generating new scaffolds for various biological explorations in medicinal chemistry. This is an area currently depleting rapidly due to the disappearance of natural resources. For these reasons, we think it is appropriate to document some recent research in this endeavor.

We wish to dedicate this Special Issue to the memory of the late Professor Charles D. Hufford, a true research pioneer in the fields of natural products and pharmacognosy, who has made immense contributions to the field. Advances in the isolation and structure elucidation, using NMR technology of bioactive compounds, especially secondary plant metabolites, was a passion of Professor Hufford, and therefore, this Special Issue of the journal *Molecules* has been dedicated to his memory.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Multidisciplinary*) / CiteScore - Q1 (*Chemistry (miscellaneous)*)

Contact Us

Molecules Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](https://twitter.com/X@Molecules_MDPI)