



an Open Access Journal by MDPI

Special Issue in Honor of Professor James D. McChesney on the Occasion of his 80th Birthday

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. Dhammika Nanayakkara

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

Deadline for manuscript submissions:

closed (31 August 2021)

Message from the Guest Editors

Dr. James D. McChesney has contributed immensely to overcoming the inherent challenges associated with discovery and development of products modeled from plant-based natural product leads. His research on artemisinin, taxol, galanthamine, podophyllotoxin, and stevia sweet glycosides exemplifies the magnitude of these contributions. His extensive work on structural modification of taxol led to the discovery and development of the anticancer agent TPI 287, a third generation taxane analog which is currently undergoing clinical trials.

Dr. McChesney has had a long, distinguished teaching and research career, has authored more than 225 research publications and holds more than 60 patents. He is a past president and a fellow of the American Society of Pharmacognosy and a Fellow of the AAAS. He has mentored many graduate students, post-docs, and junior faculty members who hold prominent positions in natural products research establishments in the US and around the world.

Prof. Dr. Muhammad Ilias
Prof. Dr. Dhammika Nanayakkara
Guest Editors



mdpi.com/si/39100

Special Issue



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, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](#)