

## Special Issue

# Probing Pharmacological and Biological Performance of Synthetic and Natural Compounds

### Message from the Guest Editor

Compounds from natural sources and their synthetic derivatives have been the gold mine to discover novel therapeutics for human ailments, including cancer, cardiovascular disorders, and infectious diseases, along with applying their beneficial effects to promote health, prevent aging, and develop cosmetics. An in-depth understanding of the biological activities plus the underlying mechanisms of action is fundamental to translate the pharmacological potentials of natural compounds and their synthetic derivatives to benefit human wellness. Along this line, this special issue of *Molecules* aims to recruit original articles with novel discoveries and insightful reviews on the pharmacological and biological performance of synthetic and natural compounds, in the hope to bolster our knowledge of the health-beneficial potentials of the gifts from Mother Nature.

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### Guest Editor

Prof. Dr. Chia-che Chang  
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### Deadline for manuscript submissions

closed (31 July 2023)



# Molecules

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## About the Journal

### Message from the Editor-in-Chief

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.

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### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).

