Special Issue

Design, Synthesis and Application of Supramolecular Functional Materials

Message from the Guest Editors

Supramolecular chemistry has proven to be a powerful tool for the design and development of highly complex architectures for a wide range of applications in biology, medicine and materials science. Indeed, non-covalent interactions, such as hydrogen bonding, CH-π, π-π, halogen bonding, and electrostatic interactions, provide a versatile toolbox to elaborate supramolecular materials exhibiting a highly dynamic, adaptive and reversible stimuli-responsive behaviour. These unique properties permit new functions that are not available for their conventional covalent counterparts to be achieved. This Special Issue aims to highlight the very recent progress in this field focusing on the design and synthesis of organic and inorganic supramolecular materials, their hierarchical assembly at higher scale and how this determines their bulk properties and thus, their usage. Contributions discussing all aspects broadly indicated by the keywords are strongly encouraged.

Guest Editors

Prof. Dr. Sébastien Clément
Institut Charles Gerhardt, Université de Montpellier, Montpellier, France

Prof. Dr. Mathieu Surin
Laboratory for Chemistry of Novel Materials, University of Mons, Mons, Belgium

Deadline for manuscript submissions

closed (31 July 2022)

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/101833

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

mdpi.com/journal/molecules

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/journal/molecules

MDPI

About the Journal

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.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Reaxys, CaPlus / SciFinder, MarinLit, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).