molecules

an Open Access Journal by MDPI

IMPACT FACTOR 4.6

Indexed in: PubMed

CITESCORE 6.7

Catalysis for Green Chemistry II

Guest Editor:

Prof. Dr. Lu Liu
Division of Organic Chemistry, School of Chemistry and Molecular Engineering, East China Normal University, Shanghai, China

Deadline for manuscript submissions:
31 December 2024

Message from the Guest Editor

Synthetic chemistry has greatly enriched people's lives and dramatically changed the world in every aspect due to its impressive capacity to construct diverse functional groups and structurally complex molecules. However, traditional synthetic reactions normally suffer from low atom economy, harsh conditions, as well as hazardous waste production. Recently, the general principles of green chemistry have required the design of environmentally benign organic reactions, which is of great importance for the sustainable development of our society. Therein, it is pivotal to achieve new catalytic strategies for organic synthesis guided by the connotations of green chemistry.

The goal of this Special Issue is to collect original research papers and review articles devoted to all aspects of homogeneous and heterogeneous catalysis for green chemistry, including metal catalysis, organocatalysis, photocatalysis, and biocatalysis. Submission of manuscripts describing green catalytic technologies such as flow chemistry, multiphase catalysis, green reagents and solvents, catalyst immobilization, and recycling is also encouraged.

molecules

IMPACT FACTOR 4.6 | Indexed in: PubMed | CITESCORE 6.7

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