Special Issue Sustainable Synthesis

Message from the Guest Editor

The aim of the development of green and sustainable chemistry is to maximize the benefit of chemistry and chemical products introduced to human society, and minimize their side effects on the environment and public health. This Special Issue presents recent developments on green and sustainable techniques for organic synthesis. It covers following four areas: 1) catalysis reactions (metal-catalysis, organocatalysis, and biocatalysis; 2) new reactions and techniques (pot/atom/step economy reactions, C-H functionalization, flow chemistry, microwave, ultrasonic, photolysis, photoredox, mechanochemistry); 3) alternative solvents (biorenewable solvents, aqueous, ionic liquids, SC-CO2); and 4) CO2 and biomass-derived building blocks for synthesis.

Guest Editor

Prof. Dr. Wei Zhang

Center for Green Chemistry, Department of Chemistry, University of Massachusetts Boston, 100 Morrissey Boulevard, Boston, MA 02125, USA

Deadline for manuscript submissions

closed (28 February 2019)



Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



mdpi.com/si/15321

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



molecules



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).