Special Issue

Modern Synthesis of Nitriles: Industrial Processes & Emerging Approaches

Message from the Guest Editor

Nitrile compounds represent a broad, and structurallydiverse, product class in organic chemistry, and are of high importance within the "product tree" of today's chemical industry. Numerous product segments contain nitriles, ranging from pharmaceuticals and fine chemicals to the field of polymer building blocks and bulk chemicals. Although so far numerous efficient synthetic methods towards nitriles have already been established and applied, the development of novel alternative synthetic methodologies and industriallyfeasible processes represent an on-going research area. Herewith we would like to invite potential authors from academia as well as industry being active in the field of nitrile synthesis to contribute to this special issue. Manuscripts on the industrial production of nitriles, the development of novel synthetic methodologies for nitriles based on e.g., catalytic reactions in the presence of metal complexes, organocatalysts or enzymes, as well as mechanism studies on chemical or biosynthetic nitrile-forming reactions are in particular welcome.

Guest Editor

Prof. Dr. Harald Gröger Industrial Organic Chemistry and Biotechnology, Faculty of Chemistry, Bielefeld University, Universitätsstrasse 25, 33615 Bielefeld, Germany

Deadline for manuscript submissions

closed (31 August 2018)



Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



mdpi.com/si/14332

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).