Special Issue

Molecular Editing Through Skeletal Transformations

Message from the Guest Editor

Skeletal transformations have emerged as powerful tools for rapidly accessing new regions of chemical space by directly modifying complex molecular frameworks, often bypassing the need for de novo synthesis. Unlike traditional synthetic strategies that rely on stepwise construction or late-stage functionalization, skeletal editing allows chemists to rearrange, insert, delete, or exchange atoms within existing molecular scaffolds in a site- or chemo-specific manner. This Special Issue, “Molecular Editing Through Skeletal Transformations”, will showcase cutting-edge research in this dynamic field. Emphasis will be placed on original articles, perspectives, and communications that focus on the development of new reactions, catalytic strategies, and mechanistic insights, including both experimental and computational approaches. We look forward to receiving your contributions, which will highlight the potential of skeletal transformations across drug discovery, natural product synthesis, materials science, and sustainable chemistry, while illustrating how molecular editing could redefine modern chemical synthesis and inspire future innovations.

Guest Editor

Dr. Gianfranco Favi
Department of Biomolecular Sciences, University of Urbino “Carlo Bo”, Urbino, PU, Italy

Deadline for manuscript submissions

31 October 2026

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/274627

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

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.

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 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).

MDPI