Special Issue

Cyclic Peptide Analogues and Non-peptide Mimetics

Message from the Guest Editor

The growing interest in peptide-based drugs in medicinal research provides many opportunities for the development of cyclic peptides and non-peptide mimetics aiming for the treatment of several diseases. Peptide cyclization and peptidomimetics restrict the conformational flexibility of their linear counterparts, and result in increased metabolic stability and receptor selectivity, therefore providing a better pharmacological profile. The knowledge of the bioactive conformation of linear peptides in combination with structure activity relations studies (SARs) are the main tools for the "structure-based design" and development of potent cyclic peptides and non-peptide mimetics. The principal goal of this Special Issue is to provide the scientific community with novel approaches and directions in the field of rational drug design and medicinal chemistry, using cyclic peptides and non-peptide mimetics. I cordially invite researchers working in this field to join this Issue and submit original research articles, short communications, and review articles.

Guest Editor

Dr. Theodore Tselios
Department of Chemistry, University of Patras, Patra, Greece

Deadline for manuscript submissions

closed (31 December 2020)

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/27439

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).