Special Issue

New Insights into Furans Transformations

Message from the Guest Editors

The chemistry of furan, on the one hand, has a long history, but on the other hand, it has received a new life after developments of methods for the large-scale preparation of furan derivatives during biomass processing. These technological advances stimulated studies of diverse modifications of simple furans to polysubstituted ones and investigations of furans transformations to various acyclic, alicyclic, and, especially, heterocyclic molecules. In recent years, the related Lewis acid-induced and π-acid-catalyzed processes have attracted increasing attention. In addition to the Achmatowicz reaction, whose 50th anniversary is in 2021, many other oxidative transformations of furans are under development. We are inviting reviews and original reports devoted to various aspects of furans transformations, both those mentioned and others not described here, and hope that this Special Issue will be of great interest to the organic chemistry community.

Guest Editors

Prof. Dr. Igor V. Trushkov

N.D. Zelinsky Institute of Organic Chemistry Russian Academy of Sciences, Leninsky pr. 47, Moscow, Russia

Dr. Maxim G. Uchuskin

Department of Chemistry, Perm State University, Bukireva 15, Perm, Russia

Deadline for manuscript submissions

closed (15 September 2021)

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/57049

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 15.1 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the second half of 2024).