Special Issue

Degradation of Aromatic Compounds in the Environment

Message from the Guest Editors

With industry development, environmental pollution with aromatic compounds, such as nitrophenols, chlorophenols, and polycyclic aromatic compounds, is constantly increasing. Due to their structure, these compounds are highly durable and resistant to biodegradation. At the same time, they are characterized by high toxicity to living organisms and threaten the proper functioning of biocenoses. We encourage researchers to submit original research papers and review articles, stimulating further efforts to develop strategies to reduce environmental pollution with toxic aromatic compounds and help remove them from contaminated sites. Topics of interest for this Special Issue include, but are not limited to, the following:

- Environmental effects of aromatic compounds;
- Advanced oxidation processes (AOPs) as an effective method of removing arenes;
- Sewage treatment plant (STP) processes for removing aromatic compounds;
- Development of new methods to intensify the degradation of aromatic compounds;
- Microbiological transformation and degradation of aromatic compounds;
- Analysis of bioproducts from physicochemical and biological conversions of arenes.

Guest Editors

Dr. Urszula Guzik

Institute of Biology, Biotechnology and Environmental Protection, Faculty Natural Science, University of Silesia in Katowice, Jagiellonska 28, 40-032 Katowice, Poland

Dr. Wojciech Smułek

Institute of Chemical Technology and Engineering, Faculty of Chemical Technology, Poznan University of Technology, Berdychowo 4, 61-131 Poznań, Poland

Deadline for manuscript submissions

31 December 2025

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/230434

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).