

Special Issue

Application of MOFs Materials in Advanced Oxidation Processes

Message from the Guest Editors

This Special Issue focuses on the application of metal-organic framework (MOF) materials in advanced oxidation processes (AOPs), specifically targeting volatile organic compounds (VOCs) in the atmosphere and emerging pollutants in water bodies. It comprehensively covers topics such as novel synthesis methods for MOFs and the latest evaluation techniques for pollutant degradation performance. The research presented in this Special Issue provides valuable insights into the application of MOF materials in the field of AOPs, contributing to the development of efficient and sustainable atmosphere and water treatment technologies.

Guest Editors

Prof. Dr. Xiaodong Zhang

School of Environment and Architecture, University of Shanghai for Science and Technology, Shanghai 200093, China

Dr. Fukun Bi

School of Environment and Architecture, University of Shanghai for Science and Technology, Shanghai 200093, China

Deadline for manuscript submissions

closed (31 October 2025)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 10.3
Indexed in PubMed



mdpi.com/si/215041

Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

[mdpi.com/journal/
molecules](https://mdpi.com/journal/molecules)





Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 10.3
Indexed in PubMed



[mdpi.com/journal/
molecules](https://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).