Special Issue

Advanced Oxidation Processes (AOPs) for Deep Removal of Emerging Pollutants, 2nd Edition

Message from the Guest Editor

The continuous occurrence of emerging pollutants in the aquatic environment has become a worldwide issue that has received increasing attention. Emerging pollutants consist of a vast and expanding array of anthropogenic and natural substances, including pharmaceutical and personal care products (PPCPs), endocrine disrupting compounds (EDCs), perfluorinated compounds (PFCs), odor compounds (OCs), engineered nanoparticles (ENPs), halogenated flame retardants (HFRs), microplastics (MPs), antibiotics resistance gene (ARGs), and many other undetected compounds. This Special Issue aims to collect papers regarding the innovative advanced oxidation processes (AOPs) including (but not limited to) photocatalysis, catalytic ozonation or ozonation, Fenton-like catalysis, piezocatalysis, electrochemical-catalysis, etc. for the deep removal of emerging pollutants in the aquatic environment. In addition, a particular focus on new achievements in the field will be appreciated.

Guest Editor

Dr. Qiyu Lian

Innovation Center of Yangtze River Delta, Zhejiang University, Jiaxing, China

Deadline for manuscript submissions

30 September 2025

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/195291

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).