Special Issue

Chemical-Based Removal of Heavy Metal Ions from Wastewater

Message from the Guest Editors

The presence of heavy metal ions in natural water has increased with the growth of industry and human activities. It is clear that heavy metal ions are non-biodegradable and, in some cases, can have carcinogenic properties. That is why heavy metal ions in natural water can indirectly threaten human health and other living organisms. This happens when untreated industrial wastewater with enormous heavy metal ions concentrations is discharged into the environment without prior treatment. Therefore, the removal of heavy metal ions from wastewater, especially from industrial wastewater, is of prime importance for maintaining a clean environment and human health. This Special Issue focuses not only on innovative methods but also on modifications and specific conditions of the use of existing methods applied to wastewater treatment. Reviews and research papers are equally welcomed. We strongly encourage contributions focusing on combining chemical-based methods and membrane processes, ion exchange, reverse osmosis, redox processes, electrodialysis, etc., and ecofriendly approaches applied for synthetic and real wastewater.

Guest Editors

Dr. Maciej Thomas

Department of Environmental Technologies, Faculty of Environmental Engineering and Energy, Cracow University of Technology, Warszawska 24, 31-155 Kraków, Poland

Prof. Dr. Susan J. Masten

Department of Civil and Environmental Engineering, Michigan State University, East Lansing, MI 48823, USA

Deadline for manuscript submissions

closed (31 October 2023)

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/127857

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).