

## Special Issue

# Contaminants of Emerging Concern: Analysis and Fate in the Aquatic Environment

### Message from the Guest Editor

CECs (contaminants of emerging concern) refer to a wide range of chemical substances, among them pharmaceuticals, personal care products, flame retardants, per- and polyfluoroalkyl substances, sweeteners, disinfection byproducts, and more recently antibiotic resistance genes. The identification of unknown contaminants to provide further selectivity for known analytes is currently one of the hottest areas in analytical and environmental chemistry. Unfortunately, there is limited information concerning the toxicity and environmental fate of these contaminants, and there is potential that they may pose a threat to aquatic and terrestrial ecosystems. The aim of this Special Issue is to cover developments on the analysis of CECs, their occurrence, fate, treatment, and toxicity/risk assessment.

---

### Guest Editor

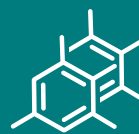
Dr. Vasilios Sakkas

Department of Chemistry, University of Ioannina, 45110 Ioannina, Greece

---

### Deadline for manuscript submissions

closed (31 December 2022)



## Molecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.6  
CiteScore 8.6  
Indexed in PubMed



[mdpi.com/si/92016](https://mdpi.com/si/92016)

*Molecules*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[molecules@mdpi.com](mailto:molecules@mdpi.com)

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



## 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).