



## Advanced Oxidation Processes and Biodegradation for Emerging Contaminants Treatment

Guest Editors:

**Dr. Guilong Peng**

College of Sericulture, Textile and Biomass Sciences, Southwest University, Chongqing 400715, China

**Dr. Chengdu Qi**

School of Environment, Nanjing Normal University, Nanjing 210023, China

Deadline for manuscript submissions:

**31 October 2024**

### Message from the Guest Editors

Since the industrial revolution, persistent organic compounds in wastewater have become the core object of water pollution control due to their complexity, stability, and high toxicity. The treatment of emerging contaminants, including persistent organic pollutants, antibiotics, and environmental disrupting chemicals, in water/wastewater is still a challenge. Numerous methods have been adopted for emerging contaminants in water/wastewater treatment. However, the toxicity of intermediate products formed during emerging contaminants treatment is still unknown, which is a barrier for actual application. In this Special Issue of the *International Journal of Molecular Sciences*, we aim to publish high-quality research articles and reviews on the understanding of advanced oxidation processes and biodegradation for the treatment of emerging contaminants, especially for their toxicity assessment.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Maurizio Battino

Department of  
Odontostomatologic and  
Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of  
Medicine, Università Politecnica  
delle Marche, Via Ranieri 65,  
60100 Ancona, Italy

## Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

## Contact Us

---

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI