



Molecular Aspects in Catalytic Materials for Pollution Elimination and Green Chemistry

Guest Editor:

Prof. Dr. Junjiang Zhu

College of Chemistry and
Chemical Engineering, Wuhan
Textile University, Wuhan 430200,
China

Deadline for manuscript
submissions:
closed (10 October 2022)

Message from the Guest Editor

Environmental issues have attracted great attention with the pursuit of high quality of life, and the effective removal of environmental pollutants is a great challenge today. This includes two topics: one is to remove the pollutants produced post-treatment, and the other is to synthesize chemicals by a green route, avoiding producing pollutants in the process.

Catalytic technology is an effective way to solve environmental problems, which can facilitate the conversion of pollutants to nontoxic or even useful chemicals. Thus, this Special Issue focuses on resolving the environmental problems by a catalysis technology, including thermocatalysis, photocatalysis, electrocatalysis and photoelectrocatalysis, and research works relating to the catalytic removal of pollutants or the catalytic synthesis of chemicals by a green route are welcome.

This Special Issue covers experimental and theoretical investigations, as well as reviews/perspectives/viewpoints. All article research submissions should involve research at the molecular level as well as well-found verified experiments.

Prof. Dr. Junjiang Zhu
Guest Editor





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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI