Special Issue

Nanomaterials in Environmental Catalysis

Message from the Guest Editors

This Special Issue, “Nanomaterials in Environmental Catalysis”, welcomes both comprehensive reviews and original research articles on a variety of nanomaterials in environmental catalysis. Themes include, but are not limited to, the following:

- Advanced nanomaterials for energy conversion and environmental catalysis application;
- Catalysis for energy conversion;
- Photocatalytic nanomaterials;
- Electrocatalytic nanomaterials;
- Heterogeneous catalysis in water/wastewater treatment processes;
- Air treatment, such as catalytic conversion of greenhouse gases;
- Nanomaterials in renewable feedstock production;
- Nanocatalysts;
- Metal–organic frameworks (MOFs);
- Zeolite-based materials;
- Catalytic water splitting;
- Nanomaterial fabrication;
- Environmental purification;
- New techniques of nanomaterials characterization;
- Removal of microbiological pollutants;
- Self-cleaning surfaces;
- Mechanism of pollutants’ decomposition;
- Advanced oxidation technologies;
- Green chemistry;
- Waste recycling and repurposing via catalysis;
- Biochar catalytic material;
- Environmental bioenergy and processes.

Guest Editors

Dr. Lixin Li

Prof. Dr. Lijie Xu

Prof. Dr. Langming Bai

Dr. Xin Ren

Deadline for manuscript submissions

closed (15 April 2025)

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Catalysts
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
catalysts@mdpi.com

mdpi.com/journal/catalysts

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Editor-in-Chief

Prof. Dr. Keith Hohn
Carl R. Ice College of Engineering, Kansas State University, Manhattan, KS, USA

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Journal Rank:

JCR - Q2 (Chemistry, Physical) / CiteScore - Q1 (General Environmental Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).

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