

## 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.

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### Guest Editors

Dr. Lixin Li

Prof. Dr. Lijie Xu

Prof. Dr. Langming Bai

Dr. Xin Ren

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### Deadline for manuscript submissions

closed (15 April 2025)



## Catalysts

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## About the Journal

### Message from the Editor-in-Chief

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.9 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).