

## Special Issue

# Heterogeneous Catalytic Technology in Pollutant Degradation

### Message from the Guest Editors

The degradation of environmental pollutants is a critical issue due to industrial activities currently increasing the level of contaminants in air and water. Heterogeneous catalysis is a highly effective approach, using catalysts in a different phase to facilitate the breakdown of harmful substances such as polychlorinated biphenyls, heavy metals, nitrogen oxides, carbon monoxide, or volatile organic compounds. In this Special Issue, we aim to consolidate the latest advancements in this field, highlighting its importance in environmental protection and industrial applications.

Suggested themes include the following:

- innovative catalysts;
- mechanistic studies;
- applications in water treatment;
- air pollution control;
- photocatalysis and advanced oxidation processes;
- nano-catalysis;
- environmental impact and sustainability;
- industrial applications.

This Special Issue will provide a valuable resource for researchers, engineers, and policymakers.

We look forward to receiving your contributions.

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### Guest Editors

Prof. Dr. Janaína Oliveira Gonçalves  
Prof. Dr. Mery Luiza Garcia Vieira  
Prof. Dr. Anelise Christ Ribeiro

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### Deadline for manuscript submissions

closed (10 January 2026)



## Sustainability

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## Editor-in-Chief

Prof. Dr. Steve W. Lyon

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