# **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.

### **Guest Editors**

Prof. Dr. Janaína Oliveira Gonçalves

Prof. Dr. Mery Luiza Garcia Vieira

Prof. Dr. Anelise Christ Ribeiro

### Deadline for manuscript submissions

10 January 2026



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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

#### Editor-in-Chief

Prof. Dr. Steve W. Lyon

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