Special Issue

Efficient Catalytic Degradation of Organic Pollutants by Nanocomposites

Message from the Guest Editors

The special issue aims to explore cutting-edge advancements in the synthesis, characterization, and application of nanocomposites for addressing environmental challenges related to organic pollutants. With the growing concerns about pollution and the need for sustainable solutions, nanocomposites have emerged as powerful tools for catalyzing the degradation of hazardous organic compounds. We welcome submissions in the following areas:Development of novel nanocomposites with enhanced catalytic properties.
Mechanistic insights into the catalytic degradation of organic pollutants.
Applications of nanocomposites in wastewater treatment and air purification.
Green synthesis approaches for nanocomposites.
Performance evaluation of nanocomposites under real-world conditions.
Comparison of catalytic efficiencies across different nanocomposite systems.

- nanocomposites
- catalysis
- degradation of organic pollutants
- wastewater treatment
- photocatalysis
- advanced oxidation processes (AOPs)
- water purification
- heterogeneous catalysis

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Deadline for manuscript submissions

closed (15 June 2025)

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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).