

Special Issue

Emerging Polymeric Photocatalysts for Energy and Environmental Applications

Message from the Guest Editors

Polymeric materials are emerging and promising semiconductors for energy and environmental applications. Unique features of polymers are motivating researchers to develop innovative polymeric semiconductors for various photocatalysis reactions that can solve the current energy and environmental challenges. This Special Issue aims to collect original research papers, reviews, and perspectives on polymer-based photocatalysts for energy and environmental applications in the following areas:

- Development/functionalization/rational design of novel polymeric materials for photocatalysis;
- Innovative techniques for characterizing polymeric photocatalysts;
- Photocatalysts for energy and environmental applications, e.g., water splitting, CO₂ reduction, H₂O₂ production, pollutant degradation, bacteria disinfection, advanced oxidation processes, and the photoreforming of biomass.

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Deadline for manuscript submissions

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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).