

Special Issue

Correlations Between Performance and Structure of Catalytic Materials for Sustainable Process Design

Message from the Guest Editors

We invite the submission presenting recent developments and trends in the synthesis, modification, characterization, and applications of materials as catalysts, with a particular focus on photocatalysis, adsorption, and water remediation. Emphasis will be given to studies that explore sustainable and environmentally friendly approaches for pollutant degradation and resource recovery. Applications related to water and air purification, biomass valorization, and green chemistry innovations are also of particular interest.

Contributions addressing the role of carbon-based nanomaterials (CBNs) are especially encouraged. Topics will focus on novel green synthesis routes, optical and antibacterial properties, and applications in enhancing catalytic efficiency, improving pollutant adsorption, promoting sustainable environmental protection strategies.

This Special Issue aims to provide a comprehensive platform for researchers working on sustainable nanomaterials for green chemistry and environmental protection.

Guest Editors

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Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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