Special Issue

Recent Advances in the Applications of Zeolites and Porous Materials in Adsorption Processes

Message from the Guest Editors

Zeolites are crystalline aluminosilicates that, upon dehydration, form pores with a range of molecular sizes. This Special Issue aims to compile cutting-edge research on zeolite synthesis, simulation, morphology, characterization, and emerging applications. Submissions are invited in, but not limited to, the following areas:

1. Synthesis and Production: Novel fabrication methods, green synthesis approaches, and scale-up strategies for zeolites.
2. Characterization and Simulation: Advanced techniques for structural and functional analysis, alongside computational modeling of zeolite behavior.
3. Industrial and Environmental Applications: The utilization of zeolites in catalysis, adsorption, wastewater treatment, gas separation, and biomedical applications.

We welcome original research articles, reviews, and short communications that provide new insights into zeolite science and technology. This Special Issue will serve as a valuable resource for researchers and industry professionals seeking the latest advancements in this dynamic field.

Guest Editors

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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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