

## Special Issue

# Novel Applications of Zeolites in Adsorption Processes

### Message from the Guest Editors

When it was discovered, zeolite was deemed to be a weird rock that releases vapor when heated. Nowadays, zeolites are widely used in various ways. The unique 3D microporous crystalline structure with large specific surface area and thermally stable lattice of this aluminosilicate mineral allows the presence not only at the surface but inside of the uniform-sized cavities and channels for different ions, atoms, and nano-sized particles. This makes this mineral applicable across various fields. Due to their structure, zeolites are widely used in processes such as adsorption, ion exchange, catalysis, as molecular sieves, in microbiology, etc. Furthermore, zeolites are readily available, cost-effective, and environmentally friendly, which are the additional reasons for the applicability of these minerals. This Special Issue of *Processes* devoted to zeolites is themed on scientific contributions and review studies from the zeolite application in adsorption presents the topic, but research dedicated to zeolite structure research, surface modifications, and environmental protection is also welcome.

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### Guest Editors

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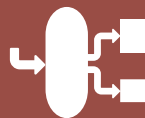
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### Deadline for manuscript submissions

31 March 2025



## Processes

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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.

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