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Zeolites: Synthesis and Applications

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submissions:

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Message from the Guest Editors

Zeolites are of the few materials widely used in our everyday life: starting from personal consumption (detergents, cosmetics, etc.), to pharmaceuticals, medical, environmental, and major industrial applications. Due to their importance and wide use, new advances in preparing zeolites are of constant interest. This includes investigating greener preparation methods with less or no organic structural directing agents and engineering hierarchical zeolites and nanosized zeolites.

Investigating the crystallization mechanism and characterizing zeolites through advanced spectroscopic techniques pave the way for a deeper understanding of their properties and forecast their behavior in the targeted application, or new possible ones.

In this Special Issue, we invite contributions from all areas of zeolites. Topics include but are not limited to green synthesis methods of zeolites and related microporous materials, in situ incorporation of guest species or post-synthetic modification of zeolites, understanding zeolite crystallization, characterization of zeolites, and interdisciplinary applications.



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Special Issue



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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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