Special Issue

Zeolites

Message from the Guest Editors

Zeolites can be successfully obtained in laboratory conditions by heating the aluminosilicate materials in the presence of alkaline solution. Various silica carriers, including natural raw materials (such as kaolinite, volcanic glasses, diatomite) and industrial wastes (among which fly ash is the most popular) are used in such processes. Current trends provide a green and economic alternative for the synthesis of zeolites using natural or waste clays instead of chemical raw materials. This Special Issue aims to attract original contributions in topics related to clay-based zeolites, covering aspects ranging from the preparation of such materials, their characterization, and application in different areas. In particular, reports on the unique synthesis methods of clay-based zeolites or improvement of existing ones, as well as structural characterization of resulting materials and their potential use in various fields are welcome. I believe that this collection will summarize the current state-of-the-art in the field of clay-based zeolitic materials and will become a source of new ideas resulting in the development of this group of minerals.

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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.

Editor-in-Chief

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