

Special Issue

Advances in Cement-Based Composites and Novel Construction Products

Message from the Guest Editors

The environmental impacts of Portland cement and concrete production and the large use of cement-based building materials are growing concerns. To provide sustainable solutions, specific attention must be given to producing eco-efficient and highly durable cement and concrete composites that meet the ever-increasing demand for enhanced mechanical performance and resiliency. Despite the high level of knowledge achieved in the design, development, and manufacturing of advanced and multifunctional materials, there must be an invested effort in finding high-performance, sustainable, and eco-efficient construction materials that can compete or even surpass the performance of traditional cement and cement-based composites used in construction practices. This Special Issue seeks novel and impactful research on the following topics: eco-efficient and sustainable cement and concrete; geopolymers and alkali-activated binders; self-healing, bio-inspired, multi-functional, and/or stimuli-responsive ash-bricks, cement-blocks, and other advanced and emerging engineered cement and concrete composites.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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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