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Crystalizations in Cementitous Composites

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Deadline for manuscript submissions:
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Message from the Guest Editors

Ordinary Portland cement (OPC) is the most consumed and important construction material on the planet. Various alternative cements, in addition to the OPC, are under or already developed to apply to various engineering requirements to reduce the worldwide man-made CO2 footprint caused by cement production. Upon hydration or activation, various nano-crystalline and well-crystalline solidswill form. In addition, hydrated cement is thermodynamically unstable, and it continuously changes, interacts with the external environments, and degrades with time. The internally occurring crystallization processes also affect the durability and serving age of concrete. The complexity of cementitious composites and the continuous crystallization processes is raising huge attention from both scientific and engineer communities.

The Special Issue on Crystallizations in Cementitious Composites, which aims to serve as a unique multidisciplinary forum covering broad aspects of phase assemblages of non-traditional binders, crystallization process, structure characterization, microstructure development as well as fabrication, structural design, durability, degradation, of cementitious composites.

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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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