

Special Issue

Advances in Sustainable Concrete System

Message from the Guest Editors

Concrete is the most widely used construction material in the world and is typically produced using Portland cement (PC) as the binder. The mass of PC used in concrete construction brings a critical environmental issue due to the high emission of carbon dioxide gas during its manufacture from the calcination of limestone and the combustion of fossil fuel. On the other hand, the rising demands to reduce the cost of binder in concrete desiderate aim to offer an alternative source of PC.

This Special Issue aims to publish current advanced concrete studies on environmentally friendly or cost-effective concretes or wastes recycling. The qualified papers focus on, but are not limited to, the properties, evaluation, novel manufacturing/experimental techniques, analytical methods, microstructure, modeling, design, production, and practical applications of new binders/aggregates in concrete, and their behaviors in the concrete structures of in situ performance, renovation, maintenance, recycling, durability, and sustainability.

Guest Editors

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Prof. Dr. Peng Zhang

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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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