

Special Issue

Sustainable Innovation in Multifunctional Concrete and Cement: A Life Cycle Approach

Message from the Guest Editors

Concrete, often referred to as the “stone of the modern age”, is the most widely used synthetic composite material, and it is second only to water in terms of global human consumption. It plays a fundamental role in contemporary construction, not only as a structural material but also as a means of achieving sustainable development goals. Its remarkable versatility, adaptability to local conditions, and technological potential make it indispensable in all fields of civil engineering. This Special Issue will focus on current research, innovation, and practices related to the design, production, use, and end-of-life phases of concrete and cement, analyzed from a life cycle perspective. Our aim is to highlight the latest advancements in the development of durable, low-carbon, and smart-functional materials to support long-term performance and environmental efficiency in infrastructure. We are looking forward to receiving your contributions.

Guest Editors

Prof. Dr. Mariusz Żółtowski
Prof. Dr. Gabriela Rutkowska
Prof. Dr. Paweł Ogrodnik

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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