

Special Issue

Decarbonization in the Cement and Concrete Industry

Message from the Guest Editors

The cement and concrete industry is an essential element of the global economy and development aspirations. However, it also has long been a significant emitter of CO₂, and this trend is still growing. Moving towards net-zero CO₂ emissions for producing concrete materials is vital for our society, researchers have been developing various solutions to achieve the ultimate goal. Herein, we are establishing this Special Issue to gather the most recent findings on the relevant topics, which include but are not limited to studies related to 1) sustainable cement chemistry and production, 2) the design of low-carbon concrete materials, 3) decarbonization technologies related to the broader scope of cementitious materials, 4) material recycling for lowering the cement usage, 5) life cycle analysis for cement and concrete, and 6) other efforts reducing the carbon embodiment in the production, use, and recycling of cement and concrete materials.

Guest Editors

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Deadline for manuscript submissions

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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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