



Decarbonization in the Cement and Concrete Industry

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Deadline for manuscript
submissions:

closed (1 September 2023)

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.





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Message from the Editor-in-Chief

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