Special Issue

Low CO_2 Concrete

Message from the Guest Editor

Concrete is being widely used in various types of infrastructures. CO2 emission happens during the life cycle stages of concrete, and the emission of CO2 becomes an urgent problem to be solved in the concrete industry. Governments, industry, and the research community are very concerned about material design, structural design, and construction methods of low CO2 concrete. This Special Issue will provide a broad communication platform for low CO2 concrete and highlight realistic and feasible directions for government decision-making and industrial production of low CO2 concrete. The Special Issue will introduce the latest progress in low CO2 concrete and contribute to the development of low CO2 society. The topics of this Special Issue include but are not limited to the following: material design of low CO2 concrete; hydration performance; mechanical properties and durability of low CO2 concrete; workability and construction methods of low CO2 concrete; structural design considering CO2 emissions; the application of multi-scale methods in low CO2 concrete and CO2 uptake of hardened concrete due to the carbonation and carbonation curing of fresh concrete.

Guest Editor

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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. *Sustainability* publishes original research articles, review 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

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