

Special Issue

Emerging Concrete Technologies and Applications

Message from the Guest Editors

Concrete, with its millennia-long history, continues to evolve through innovations in related fields, and emerging technologies in concrete production and automated construction methods are crucial for the future development of human society. Structural monitoring plays a vital role in gathering valuable data to enhance material development and construction technologies, maximizing the potential of this versatile material. Additionally, the implementation of innovative solutions to reduce the risk of failure in concrete structures remains a key challenge. This Special Issue aims to showcase recent research and review articles that highlight current advancements in concrete technology and applications, driving further progress in the sustainability of concrete structures. Topics of interest include, but are not limited to, novel materials, advanced construction methods, and mathematical modeling of concrete structures such as dams, tanks, power plants, chimneys, and cooling towers.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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