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Development of Eco-Friendly Concrete-, Mortar- and Fiber-Reinforced Composite Systems for Building Applications: Experimental and Theoretical Studies

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Deadline for manuscript submissions:
30 June 2024

Message from the Guest Editors

Dear Colleagues,

In recent years, nature conservation and environmental preservation have emerged as significant global issues. It is well known that the production of concrete has a strong environmental impact due to the consumption of natural resources such as water and aggregates. In addition, a high concentration of carbon dioxide is released into the atmosphere during cement production, accounting for ~8% of global CO_2 emissions. Therefore, the development of eco-friendly concrete using waste, or whose manufacturing method is not detrimental to the environment, is of utmost important to meet the green revolution and ecological transition.

In this Special Issue, we aim to collect experimental and theoretical studies aiming at providing a better understanding about the development of eco-friendly concrete-, mortar- and fiber-reinforced composite systems to promote their use in structural and non-structural applications. Submissions in the form of full-length articles, communications and reviews are invited.

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Dr. Pietro Mazzuca
Guest Editors

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Special Issue

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Message from the Editor-in-Chief

Fibers is intended as an integrative platform, bringing together specialists with expertise concerning a large range of biological, synthetic, metallic and mineral fibers. The intent is to bring together scientists who would otherwise be unlikely to encounter each other's findings. By facilitating communication across specialties, the journal will advance understanding of the underlying commonality of many physical and chemical aspects of fibers.

We welcome submission of manuscripts from a diverse range of disciplines relating to many types of fibers utilizing a variety of research approaches.

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