Special Issue

Sustainability and Performance of Advanced Construction Materials

Message from the Guest Editor

With the rapid development of the building and civil areas, the number of techniques for sustainable construction materials is quickly growing through the fusion of different source materials such as inorganic materials, wood, polymers, fibers, and metallic materials. This Special Issue aims to discuss recent investigations into the sustainability and performance of advanced construction materials. We are particularly interested in studies that demonstrate the practical application of sustainable construction materials. Potential topics include, but are not limited to, the following:

- high-performance concrete: ultra-strength, high-ductility, high-insulation, lighter-weight, high-compaction, or high-durability;
- sustainable concrete: high-volume recycled materials, alternative cementitious materials, or alternative aggregates;
- composite materials for the repair and retrofitting of structures that incorporate polymers, metallic materials, or fabric; and
- multifunctional materials that are watertight (via hydrophobic techniques) or purify the atmosphere (via nano-techniques).

Guest Editor

Prof. Dr. Keun-Hyeok Yang
Department of Architectural Engineering, Kyonggi University, Suwon 154-42, Republic of Korea

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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