Special Issue

Green Concrete for a Better Sustainable Environment

Message from the Guest Editor

Green concrete is defined as concrete that uses waste material as at least one of its components, or its production process does not lead to environmental destruction, or it has high performance and life cycle sustainability. At present, natural resources are running out. Using industrial and construction waste as raw materials for the production of cement and concrete can be regarded as a valuable resource for civil infrastructure construction. Green concrete will not only contribute to a circular economy but can also help to reduce the amount of embodied energy and CO2 emissions associated with cement manufacturing as well as to mitigate the environmental threats associated with industrial waste materials. The followings is a comprehensive (but not exhaustive) list of topics proposed for this Special Issue:

- Environmentally friendly concrete
- Sustainable concrete
- Recycled concrete
- Industrial wastes utilization
- Construction and demolition waste utilization
- Reusable or recyclable construction materials
- Design for long life and adaptability

Guest Editor

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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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