Special Issue

Recycled Aggregate and Recycled Aggregate Concrete

Message from the Guest Editor

Recycled aggregate (RA) includes recycled concrete aggregates produced from waste concrete and produced by processing source materials other than demolished masonry units. The use of RA in diverse construction areas such as granular materials in pavement and concrete structures will contribute to the carbon neutrality policy which has been a significant global issue.

The aim of this Special Issue is to compile papers describing the recent scientific progress on the use of RA and supplementary cementitious materials (SCMs), nano-materials, and fibers which can compensate for the drawback of RAC. Proposals of new mix-proportioning methods considering attached mortars or old cement pastes from RAs in order to improve the mechanical strength properties and durability of RAC are welcome. We also encourage the submission of papers considering the use of RAs with SCMs in RAC applications which eventually reduce the carbon dioxide emissions associated with cement concrete construction (currently responsible for as much as 8% of human carbon dioxide emissions). Thus, any studies related to the reduction of carbon dioxide emissions as a result of using RAC are more than welcome.

Guest Editor

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Deadline for manuscript submissions

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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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