

Special Issue

Innovative Building Materials: Design, Properties and Applications

Message from the Guest Editor

Innovative building materials have been a constant search in Materials Science, due to the importance of the construction sector for technological advancement. The exhaustive use of natural resources to produce binders and other materials, the extensive release of greenhouse gasses, and high energy expenditure contribute to the urgency of developing sustainable construction materials. Recommended topics for this Special Issue include, but are not limited to, the following:

- Development of alternative and eco-friendly binders;
- Study of additional cementitious materials and pozzolans;
- Analysis of geopolymers and activated alkali materials with ecological potential;
- Characterization and application of recycled aggregates in cementitious materials;
- Cementitious and polymeric composites with natural lignocellulosic fibers;
- Characterization and application of waste in ceramic materials;
- Studies of alternative and ecological asphalt and bituminous materials;
- Application of waste and slags in construction materials;
- Life cycle analysis of sustainable construction materials;
- Circular economy analysis of sustainable construction materials.

Guest Editor

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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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