



Challenges for Sustainable Building: Innovation, Development and Characterisation of New Material Products and Systems

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Message from the Guest Editors

Currently, the building sector evolved towards the development of new more sustainable and efficient construction systems. The development of new materials under the circular economy criteria that allow the recovery and revaluation of Construction and Demolition Waste (CDW) is one of the great challenges facing the European Union at present.

For this reason, this Special Issue aims to provide a space for building research committed to the sustainability and efficient management of natural resources, promoting the development of more efficient materials and construction systems with a lower carbon footprint and that allow progress towards net-zero-emission building (NZEB).

Dear Colleagues, we strongly encourage you to participate and promote research in Building Engineering via this Special Issue.

Some of the main topics that apply to this Special Issue are:

- Management of Construction and Demolition Waste (CDW);
- Energy efficiency in building;
- Development of new building systems and products;
- Introduction of technological innovations in building construction;
- Development of new monitoring and measuring equipment in building/construction;





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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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