

Special Issue

Recent Advances in Construction and Demolition Waste Recycling

Message from the Guest Editors

Construction and demolition waste (CDW) are produced in construction and demolition activities of buildings, infrastructures and roads, including their maintenance or rehabilitation. CDW includes a great variety of materials such as concrete, mortar, gypsum, stone, sand, soil, glass, wood, plastics and metals, among others. CDW represent a third of the total waste produced in the European Union. It is urgent to reduce the amount of CDW generated by improving construction designs, reducing refurbishment actions and incrementing reuse of some construction materials before demolition. It is necessary to source materials from CDW in the development of new products instead of using natural resources. This replacement allows not only to decrease the amount of CDW sent to landfills but also the reduction in natural resources extraction. To validate applications of CDW, it is mandatory to deeply investigate the innovation of several alternatives, namely technical, environmental and economic aspects. This Special Issue aims to contribute with innovative solutions to reduce and recycle CDW, avoiding landfill and all the associated environmental impacts.

Guest Editors

Dr. Catarina Correia de Araújo Brazão Farinha

Dr. Maria do Rosário Veiga

Dr. Isabel Milagre Martins

Deadline for manuscript submissions

closed (31 January 2024)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



mdpi.com/si/155618

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

[mdpi.com/journal/
appls](https://mdpi.com/journal/appls)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)