



Recent Advances in Construction and Demolition Waste Recycling

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Message from the Guest Editors

Dear Colleagues,

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.





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Message from the Editor-in-Chief

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