

## Special Issue

# Eco-Friendly Materials for Civil Construction: Utilization and Advantages

### Message from the Guest Editors

Planet earth is becoming unsustainable with an increasingly consumerist lifestyle and predatory to the environment. The linear economy has failed as a viable form of human development, as it entails a huge generation of waste and a negative impact on the environment. We consume poorly designed and energy-inefficient products without adequate reuse. Both scientific and technical papers are welcome to aim at our advanced understanding of eco-friendly building materials, promote saving in energy and pollutants reduction in the extraction of raw materials, manufacturing process or in the final application.

Building materials can be more durable and also incorporated with urban, agricultural, or industrial wastes. The topics covered in this Special Issue (but are not limited to): Eco-friendly building materials

The life cycle of building materials

Waste incorporated building materials

Recycling and circular economy of building materials

Heavy ceramics with industrial and agro-industrial residues

Mortar with industrial wastes and natural fibers

Alkali-activated materials

Composite with natural fibers and wastes

Artificial rocks with industrial waste

Cleaner steel manufacturing process

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### Guest Editors

Prof. Dr. Carlos Maurício Fontes Vieira

Prof. Dr. Gustavo de Castro Xavier

Prof. Dr. Henry Alonso Colorado Lopera

Prof. Dr. Sergio Neves Monteiro

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### Deadline for manuscript submissions

closed (1 August 2022)



## Sustainability

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### Editor-in-Chief

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