

## Special Issue

# Circular Economy in Construction: Innovations, Challenges, and Sustainable Practices

### Message from the Guest Editors

The construction industry is one of the largest global consumers of raw materials and energy, generating significant environmental impacts and waste. In response, the transition to a **circular economy (CE) model** is essential for reducing resource depletion, minimizing waste, and promoting sustainable and resilient built environments. This Special Issue aims to explore **innovative materials, construction techniques, policy frameworks, and business models** that contribute to circularity in the construction sector. We welcome submissions on topics including but not limited to:

- circular economy in construction
- sustainable building materials
- waste valorization in construction
- construction and demolition waste (CDW) management
- bio-based and recycled materials
- life cycle assessment (LCA) in construction
- digitalization and Industry 4.0 in circular construction
- regenerative and Net-Zero buildings
- policy and governance for circular construction
- carbon footprint reduction in the built environment

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### Guest Editors

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### Deadline for manuscript submissions

18 July 2027



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