# **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

#### **Guest Editors**

Prof. Dr. João Adriano Rossignolo

Department of Biosystems Engineering, Universidade de São Paulo, Pirassununga 13635-900, SP, Brazil

Dr. Gabriela Lyra

Department of Biosystems Engineering, Universidade de São Paulo, Pirassununga 13635-900, SP, Brazil

### Deadline for manuscript submissions

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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

mdpi.com/journal/ sustainability





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### Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

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