

Special Issue

Circular Economy Strategies for Sustainable Urban Development: Innovations in Waste Management and Building Materials

Message from the Guest Editor

To promote the circular economy framework, the use of innovative waste materials within building and construction materials or systems is critical. This Special Issue aims to explore and disseminate research on sustainable practices that incorporate waste byproducts, industrial residues, and recycled materials as alternatives to traditional building resources.

Moreover, this issue covers a wide range of topics, including, but not limited to the following:

- **Material Development:** Research on the development and characterization of new building materials derived from waste products, such as construction debris, agricultural byproducts, industrial waste, and municipal solid waste.
- **Life Cycle Assessment (LCA):** Studies evaluating the environmental impact, energy consumption, and carbon footprint of construction materials made from waste, including comparisons with conventional materials.
- **Circular Economy:** Investigations into the integration of waste materials into circular construction practices, promoting sustainability through resource efficiency and reduced environmental harm.

We look forward to receiving your submissions.

Guest Editor

Dr. Robert Haigh

Institute for Sustainable Industries and Liveable Cities, Victoria University, Melbourne, VIC, Australia

Deadline for manuscript submissions

31 October 2026



Urban Science

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 3.7



mdpi.com/si/231633

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

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





Urban Science

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 3.7



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



About the Journal

Message from the Editor-in-Chief

Urban Science is a scholarly international journal which provides a platform for the exchange of theories, ideas, methods, analyses, and comparative studies of urban and regional development. It is a peer-reviewed, open access journal that publishes high quality original articles, theoretical essays, critical reviews, research notes, and shorter communications. Its broad definition of “science” includes both quantitative and qualitative methods of social, environmental, and spatial analysis. There is no restriction on the maximum length of the papers.

Editor-in-Chief

Prof. Dr. Luis Hernández-Callejo

Department of Agricultural and Forestry Engineering, University of Valladolid, Campus Duques de Soria, 42004 Soria, Spain

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, ESCI (Web of Science) and other databases.

Journal Rank:

JCR - Q1 (Geography) / CiteScore - Q1 (Urban Studies)