

Special Issue

Waste to Value – Use of Innovative Green Materials in the Construction of Transportation Infrastructure

Message from the Guest Editors

The construction sector is the most material-consuming industry and is significantly responsible for the depletion of natural resources, such as aggregate and oil mines. Identifying alternative materials to be used in the construction of civil infrastructure is, thus, an important step towards sustainability. Significant research has been undertaken to investigate the applicability of recycled materials in the construction of transport infrastructures, such as roads, embankments and associated structures. However, the provision of further robust evidence to convince authorities and industries for maximising the proportion of wastes/recycled materials in civil construction projects is still required. In this regard, in addition to performance testing, life cycle assessment and social procurement considerations on the use of green materials are key areas of research focus. The aim of this Special Issue is to provide a platform for researchers to share their original research outcomes and to contribute to the outstanding collection of reviews and experimental, numerical and technical studies on green materials in transport infrastructure construction.

Guest Editors

Dr. Ehsan Yaghoubi

College of Sport, Health and Engineering, Victoria University,
Melbourne 3011, Australia

Dr. Malindu Sandanayake

Built Environment and Engineering, Institute of Sustainable Industries
and Liveable Cities (ISILC), Victoria University, Melbourne, VIC 3011,
Australia

Deadline for manuscript submissions

closed (30 June 2023)



Infrastructures

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 6.0



mdpi.com/si/147526

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

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





Infrastructures

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 6.0



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



About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article, review or short communication for consideration and publication in *Infrastructures* (ISSN 2412-3811). There is no restriction on the length of the papers. *Infrastructures* is published in open access format. The scientific community and general public have unlimited free access to the content as soon as it is published. *Infrastructures* is supported by the authors by the payment of article processing charges for accepted manuscripts. Please consider *Infrastructures* as an exceptional opportunity to publish your work.

Editor-in-Chief

Dr. Pedro Arias-Sánchez

Applied Geotechnologies Group, Department of Natural Resources and Environmental Engineering, School of Mining Engineering, University of Vigo, 36310 Vigo, 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), Inspec, and other databases.

Journal Rank:

JCR - Q2 (Construction and Building Technology) /
CiteScore - Q1 (Building and Construction)