

Special Issue

Smart Technologies for Sustainable and Resilient Underground Infrastructures

Message from the Guest Editors

Recent decades have witnessed a worldwide surge in urban underground spatial development. Such trends are primarily driven by a need to address pressing urban challenges, such as land scarcity, traffic congestion, and environmental degradation. Rapidly expanding underground infrastructure systems (including components such as utility networks, metro systems, underground roads, pedestrian networks, public spaces, disaster-resistant structures, and storage facilities), are crucial for modern high-density cities. They provide essential services related to transportation, utilities, and public amenities. Accordingly, this Special Issue, titled “Smart Technologies For Sustainable and Resilient Underground Infrastructures”, aims to showcase cutting-edge research and development in the application of smart technologies for enhancing the sustainability and resilience of modern underground infrastructure. It seeks to foster a deeper understanding of how these technologies can be leveraged to improve the planning, design, construction, operation, and maintenance of underground systems, ultimately contributing to better urban built environments.

Guest Editors

Dr. Yunhao Dong

Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, China

Dr. Tong Zhang

School of Resources and Civil Engineering, Northeastern University, Shenyang, China

Deadline for manuscript submissions

10 September 2026



Infrastructures

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 6.0



mdpi.com/si/229790

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)