

# Special Issue

## Reliability and Durability of Pipelines

### Message from the Guest Editors

Pipelines are extremely important for modern society because they are the medium for the transportation of water, wastewater, oil, and gas. A pipeline failure or rupture is likely to occur when the environmental and operational stresses act upon a pipe whose structural integrity has been compromised by corrosion, degradation, inadequate installation, or manufacturing defects. Pipeline failure can be sudden and catastrophic, can impact the lives of hundreds or thousands of people, and can cost millions of dollars. This Special Issue calls for state-of-the-art research and practices focusing on different aspects of the renewal of buried pipes, utility conduits, and culverts, using trenchless technologies to gain further insights into the reliability and durability issues of pipelines. Reviews on the research and practices of this field are also considered within the scope of this Special Issue.

### Guest Editors

**Dr. Mohammad Najafi**

Department of Civil Engineering, University of Texas at Arlington,  
Arlington, TX 76019, USA

**Dr. Vinayak Kaushal**

Center for Underground Infrastructure Research & Education (CUIRE),  
Department of Civil Engineering, The University of Texas at Arlington,  
Box 19308, 428 Nedderman Hall, Arlington, TX 76019, USA

### Deadline for manuscript submissions

closed (15 November 2021)



## Infrastructures

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.9  
CiteScore 6.0



[mdpi.com/si/59024](https://mdpi.com/si/59024)

*Infrastructures*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[infrastructures@mdpi.com](mailto: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)