

## Special Issue

# Recent Advances in the Digitalization of Infrastructure

### Message from the Guest Editor

The digitalization of infrastructure is redefining the future of civil engineering, offering unprecedented opportunities to create smarter, more resilient, and more sustainable systems. Advances in remote sensing technologies and building information modeling (BIM) are transforming traditional practices, enabling data-driven decision-making across all phases of infrastructure development and management. This Special Issue seeks to gather pioneering research that pushes the boundaries of how digital tools can revolutionize infrastructure design, construction, monitoring, and maintenance. We particularly welcome studies that explore the integration of remote sensing and BIM in enhancing structural health monitoring, optimizing maintenance strategies, and supporting sustainability objectives. Contributions addressing methodological breakthroughs, innovative case studies, and visions for future smart infrastructure ecosystems are invited.

---

### Guest Editor

Dr. Laura Inzerillo  
DIING Department of Engineering, University of Palermo, 90100  
Palermo, Italy

---

### Deadline for manuscript submissions

25 August 2026



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/240582](https://mdpi.com/si/240582)

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

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

[applsci](https://www.mdpi.com/applsci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



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



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### Author Benefits

#### Open Access:

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

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )