

Special Issue

Advances in Road Engineering: Innovation in Road Pavements and Materials

Message from the Guest Editors

Given this fact, the aim of this Special Issue is to collect and spread valuable scientific contributions dealing with innovative, smart, eco-friendly road pavements addressed to the general sustainability of the road construction industry (innovative recycling techniques for saving natural resources and reducing waste disposal—performance-optimized pavement structures and materials to face new challenges about traffic increase, heavier vehicles, climate changes, etc.—advances in construction and maintenance practices and materials for durable design, etc.). Thus, we are pleased to invite you to contribute to this Special Issue entitled “*Advances in Road Engineering: Innovation in Road Pavements and Materials*”. This Special Issue covers various subjects related to advanced technologies and materials in asphalt pavement. Research on the investigation and application of varieties of technologies is welcome. Assessments of the influence on the in-service performance, economy, environment effect, and life-cycle assessment are all invited. Literature reviews are also highly appreciated.

Guest Editors

Dr. Andrea Baliello

Department of Civil, Environmental and Architectural Engineering,
University of Padova, Padova, Italy

Dr. Di Wang

Department of Civil Engineering, University of Ottawa, Ottawa, ON K1N
6N5, Canada

Deadline for manuscript submissions

closed (10 July 2024)



Buildings

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 4.4



mdpi.com/si/133313

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

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





Buildings

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 4.4



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



About the Journal

Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

Editor-in-Chief

Prof. Dr. David Arditi

Construction Engineering and Management Program, Department of Civil, Architectural, and Environmental Engineering, Illinois Institute of Technology, 3201 South Dearborn Street, Chicago, IL 60616, USA

Author Benefits

High Visibility:

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

Journal Rank:

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

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.1 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).