Special Issue

Application of Composite Materials in the Railway Industry

Message from the Guest Editors

The usage of advanced composite materials in railway applications is constantly growing due to the high strength-to-weight ratios, the capacity to create complicated geometries, lower maintenance costs, and increased performance when subjected to harmful environmental conditions. Therefore, the main focus of the forthcoming Special Issue is to present inspiring cutting-edge concepts and innovative applications of composite materials in railway infrastructure. For this Issue we encourage the submission of articles that employ analytical and experimental investigations as well as artificial intelligence, including machine/deep learning and other evolving concepts of data-driven approaches to improve the composite design of railway components, with a focus on how to implement composite materials in railway infrastructure.
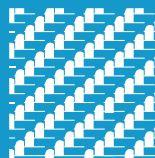
Guest Editors

Prof. Dr. Guoqing Jing

Dr. Haoyu Wang

Dr. Peyman Aela

Deadline for manuscript submissions

closed (1 March 2023)

MDPI

MDPI

About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Dr. Francesco Tornabene
Department of Innovation Engineering, University of Salento, 73100 Lecce, Italy

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, CAPlus / SciFinder, and other databases.

Journal Rank:
JCR - Q2 (Materials Science, Composites) / CiteScore - Q1 (Engineering (miscellaneous))