Special Issue

Road and Rail Construction Materials: Development and Prospects

Message from the Guest Editors

The advancement of modern infrastructure imposes higher demands on construction materials, particularly in terms of durability, environmental friendliness, and cost-effectiveness. As critical transportation infrastructure, the quality of road and rail construction directly impacts economic development and public quality of life. Therefore, researching and developing high-performance construction materials has become a significant task for both academia and the engineering community.

This Special Issue aims to explore the latest developments and future prospects of materials used in road and rail construction. It will cover key areas such as the development and application of new materials, including road materials, rail materials, composite materials, and recycled materials. It will examine material performance and serve as an evaluation, focusing on durability, crack resistance, fatigue resistance, and environmental adaptability. Additionally, it will address environmental protection and sustainable development through the use of green materials and technologies.

We look forward to your contributions to advancing transportation infrastructure.

Guest Editors

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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