



Sustainable and Resilient Infrastructure Development and Operation: Innovative and Adaptive Project Planning, Management, and Finance Measures

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Message from the Guest Editors

Dear Colleagues,

As public goods, infrastructures produce varying degrees of positive and negative external effects on economic, social, and ecological systems. To prepare future-ready infrastructures for the fast-changing world, sustainability and resilience should be considered as key features and should be prepared for from multiple perspectives.

To address these challenges and to embrace new opportunities, innovative and adaptive project planning, management, and finance measures should be emphasized during the life cycles of infrastructures. Innovative and adaptive management measures, augmented with advanced technologies—such as big data, deep learning, digital twin, and Internet of Things (IoT)-based smart health monitoring—should be studied and implemented to enhance the resilience of infrastructures in the face of disasters and any health risks in long-term service.

This Special Issue aims to advance our collective knowledge of project planning, management, and finance to tackle the challenges of sustainable and resilient infrastructure development and operation.

We look forward to receiving your contributions.





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Message from the Editor-in-Chief

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