Special Issue

Resilient Infrastructure for Climate Action: The Nexus of Technology, Management, and Innovation

Message from the Guest Editors

Climate change has become one of the greatest global challenges of the 21st century, with profound implications for infrastructure systems that support economic development, social well-being, and environmental sustainability. This Special Issue focuses on the intersection of technology, management, and innovation in advancing resilient infrastructure for climate action. It invites contributions on innovative technical solutions-such as artificial intelligence and digital twins—that improve infrastructure performance, as well as management strategies that support riskinformed decisions and multi-stakeholder collaboration. We encourage integrated approaches that deliver scalable, cost-effective, and socially inclusive solutions. By bringing together interdisciplinary research, this Special Issue aims to foster knowledge exchange across engineering, management, and policy communities, offering actionable insights for sustainable infrastructure development. Ultimately, the goal is to contribute to global climate action through resilient infrastructure systems that not only mitigate risks but also create opportunities for green growth and social equity.

Guest Editors

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Deadline for manuscript submissions

30 September 2026



Sustainability

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Impact Factor 3.3 CiteScore 7.7



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Editor-in-Chief

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