Special Issue

Green Industrial Internet of Things (GIIoT) for Sustainable Smart Cities

Message from the Guest Editors

The development of the Internet of Things (IoT) technology and its integration in smart cities have changed the way we work and live, and have enriched our society. However, IoT technologies present several challenges such as increases in energy consumption and toxic pollution production, as well as E-waste in smart cities. Smart city applications must be environmentally friendly and, hence, require a move towards the green IoT. The green IoT leads to an eco-friendly environment, which is more sustainable for smart cities. Therefore, it is essential to address the techniques and strategies for reducing pollution hazards, traffic waste, resource usage, energy consumption, providing public safety, life quality, sustaining the environment, and cost management. To successfully accomplish this vision, cognitive IoT solutions are needed to reshape the existing smart applications toward further sustainable services in a more sustainable smart city. This Special Issue aims to integrate ideas, theories, models, architectures, and techniques from across different disciplines that can enable the green Industrial Internet of Things (GIIoT) to thrive for sustainable smart cities.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

As urban environments continue to evolve, Smart Cities serves as a key platform for sharing innovative research that addresses the complexities of modern urban life. Our journal provides a space for interdisciplinary dialogue and knowledge exchange on the latest advancements in smart city technologies and practices. We prioritize research that not only pushes the boundaries of scientific understanding but also has practical implications for improving urban living, sustainability, and governance.
We welcome contributions from diverse fields that bring fresh perspectives to urban challenges, from smart infrastructure and IoT integration to data-driven decision-making and sustainable development. Through a combination of rigorous peer-review and rapid publication, we aim to disseminate impactful research that fosters the development of smarter, more resilient cities.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 26.8 days after submission; acceptance to publication is undertaken in 4.5 days (median values for papers published in this journal in the first half of 2025).