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IoT-Enabled Waste Management in Smart Cities

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Deadline for manuscript submissions:
closed (31 August 2021)

Message from the Guest Editors

Dear Colleagues,

The current Special Issue covers research advances in IoT-enabled waste management in Smart Cities. Context-awareness is a service as well as an enabling technology for waste management in Smart Cities. Predictive analytics are based on machine learning and pervasive data science modeling for efficient waste disposal. Research in artificial intelligence, remote monitoring, autonomous systems and robotics is used for effective waste collection. Methods and algorithms combine sensors, sensor networks, wireless access networks, actuators, and IoT platforms. IoT security technologies are used to provide a secure environment for further waste processing. Inference models assist stakeholders and third parties for efficient dynamic scheduling and routing to support waste disposal and further recycling of organic waste. Sustainable waste management solutions are a prerequisite for a green ecosystem within Smart Cities. Research on integrated systems for waste management that adopt one or more of the above described research areas will be accepted to this Special Issue. We invite original research papers, review articles, and short communications.

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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.

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