



IoT-Enabled Waste Management in Smart Cities

Guest Editors:

**Dr. Theodoros
Anagnostopoulos**

Dr. S.R. Jino Ramson

Prof. Dr. Arkady Zaslavsky

Prof. Dr. Christer Åhlund

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Pierluigi Siano

Department of Management and
Innovation Systems, University of
Salerno, 84084 Salerno, Italy

Message from the Editor-in-Chief

Smart Cities provides an advanced forum for the dissemination of information on the science and technology of smart cities. It publishes reviews, regular research papers (articles) and communications in all areas of research concerning smart cities. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers so that the full experimental results can be reproduced. Manuscripts regarding research proposals and research ideas are particularly welcome.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [ESCI \(Web of Science\)](#), [Inspec](#), [AGRIS](#), and [other databases](#).

Journal Rank: CiteScore - Q1 (*Urban Studies*)

Contact Us

Smart Cities Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/smartcities
cities@mdpi.com