

## Special Issue

# Renewable Energy and Energy Storage in Smartgrid Perspective

### Message from the Guest Editors

This Special Issue is intended as a forum for advancing research and for applying the most advanced control techniques in order to achieve accurate energy management systems, participate in demand response (D/R) events, participate in ancillary services like compensation of energy losses, F/V control and power flow control, the management of energy storage systems (ESS), the optimization of battery usage in electric vehicles (EV), maximize the self-consumption of available distributed energy resources, the trading of excess energy, the optimization of contracted energy profile, monitoring and data management, the transfer of energy consumption by tariff/load shifting, and the ability to deal with power outages. The expected outcomes will be a grid with self-resiliency, adaptive and accurate control to optimize the energy management system, and remote monitoring and prediction of battery performance. Dr. Swaminathan Ganesan Prof. Dr. Vigna K. Ramachandaramurthy

---

### Guest Editors

Dr. Padmanaban Sanjeevikumar

Dr. Umashankar Subramaniam

Dr. Dhafer Almkhles

Dr. Swaminathan Ganesan

Prof. Dr. Vigna K. Ramachandaramurthy

---

### Deadline for manuscript submissions

closed (30 August 2019)



## Smart Cities

---

an Open Access Journal  
by MDPI

---

Impact Factor 7.0  
CiteScore 11.2



[mdpi.com/si/23627](https://mdpi.com/si/23627)

*Smart Cities*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
cities@mdpi.com

[mdpi.com/journal/  
smartcities](https://mdpi.com/journal/smartcities)





# Smart Cities

---

an Open Access Journal  
by MDPI

---

Impact Factor 7.0  
CiteScore 11.2



[mdpi.com/journal/  
smartcities](https://mdpi.com/journal/smartcities)



## 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

Prof. Dr. Pierluigi Siano  
Department of Management and Innovation Systems, University of  
Salerno, 84084 Salerno, Italy

---

### Author Benefits

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), Inspec, AGRIS, and other databases.

#### Journal Rank:

JCR - Q1 (Engineering, Electrical and Electronic) /  
CiteScore - Q1 (Urban Studies)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 25.8 days after submission; acceptance to publication is undertaken in 3.8 days (median values for papers published in this journal in the first half of 2024).