

## Special Issue

# Sustainable Smart Cities: From Technologies and Optimization Problems to Future Trends and Solutions

### Message from the Guest Editor

This Special Issue seeks high-quality papers that advance both theoretical knowledge and practical implementations of future technologies in the context of sustainable smart cities.

- The design of AI-based energy-efficient architecture in sustainable smart cities;
- Theoretical analysis of energy management in sustainable smart cities;
- Security and privacy in sustainable smart cities;
- Energy optimization of federated learning in sustainable smart cities;
- Smart mobility solutions for pollution control: the role of intelligent transportation systems;
- Artificial-intelligence-based adaptive control systems for sustainable smart city transportation;
- Green cloud computing and data center networks in smart cities;
- Artificial intelligence trends in intelligent transportation systems for real-time connected and autonomous systems;
- Artificial intelligence techniques for infrastructure monitoring and next-gen smart cities;
- AI-based techniques in modern electric power systems for intelligent energy management;
- Future perspectives of situational awareness algorithms for smart transportation

### Guest Editor

Dr. Abdellah Chehri

Department of Mathematics and Computer Science, Royal Military College of Canada (RMC), Kingston, ON, Canada

### Deadline for manuscript submissions

closed (15 July 2024)



**Sustainability**

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.3**  
**CiteScore 7.7**



[mdpi.com/si/182019](https://mdpi.com/si/182019)

*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

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





## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



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



## About the Journal

### Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

---

### Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario  
Institute of Technology, Oshawa, ON L1G 0C5, Canada

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1  
(Geography, Planning and Development)