

# Special Issue

## Renewable Energy Applications in Urban Areas

### Message from the Guest Editors

This special issue will focus on sustainable energy solutions for urban areas for delivering social and environmental benefits as well as efficient use of renewable energy systems. These systems can be evaluated from different outlooks. This special issue will cover wide range of sustainable energy systems with their optimization from thermodynamic, economic and environmental points of view for urban areas, which include

- Energy, exergy, economic and environmental analysis
- Environmental impact assessment of the system
- Economic assessment of the system
- Life cycle assessment of the system
- Risk Assessment and reliability Engineering
- Sustainability-based analysis
- Social and policy aspects of environmental management
- Supply chain management

The special issue also covers the following topics:

- Smart cities and resilient environments
- ICT, smart grid and intelligent infrastructure
- Big data, machine learning, and artificial intelligence applications
- System optimization methods
- Zero CO<sub>2</sub> emission policies and schemes
- Renewable energy conversion and electric machines

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### Guest Editors

Prof. Dr. Mamdouh E.H. Assad

Dr. Ben Salem Imen

Dr. Laveet Kumar

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### Deadline for manuscript submissions

closed (31 January 2024)



## Urban Science

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## About the Journal

### Message from the Editor-in-Chief

*Urban Science* is a scholarly international journal which provides a platform for the exchange of theories, ideas, methods, analyses, and comparative studies of urban and regional development. It is a peer-reviewed, open access journal that publishes high quality original articles, theoretical essays, critical reviews, research notes, and shorter communications. Its broad definition of “science” includes both quantitative and qualitative methods of social, environmental, and spatial analysis. There is no restriction on the maximum length of the papers.

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### Editor-in-Chief

Prof. Dr. Luis Hernández-Callejo

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