

## Special Issue

# Smart Mobility Integration in Smart Cities

### Message from the Guest Editors

The widespread adoption of electric vehicles (EVs), propelled by advancements in batteries and high-power charging, poses growing challenges to energy systems and urban infrastructure. Increasing charging demand strains distribution networks, necessitating smart, integrated solutions to ensure grid stability and efficiency.

This Special Session highlights bidirectional EV-energy system interactions, particularly Vehicle-to-Everything (V2X) technologies such as V2G, V2B, and V2H. These enable dynamic energy exchange, turning EVs into distributed energy resources that support load balancing, peak shaving, frequency regulation, backup power, and PV optimization.

Effective integration requires coordinated control strategies, interoperable communications, advanced power electronics, and optimized energy management systems (EMS). We invite high-quality papers on technical architectures, control algorithms, power interface design, demand-side management, modeling, microgrids with EV charging, and real-world implementations.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 April 2026)



## Smart Cities

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by MDPI

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Impact Factor 5.5  
CiteScore 14.7



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## 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.

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### Editor-in-Chief

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

#### Journal Rank:

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 25.2 days after submission; acceptance to publication is undertaken in 3.9 days (median values for papers published in this journal in the second half of 2025).