

## Special Issue

# Artificial-Intelligent-Based Advanced Energy Management Systems for Microgrids in Smart Cities

### Message from the Guest Editors

In the modern era, smart cities are gaining attention due to the number of services offered to the citizens.

Microgrids in smart cities can be optimized with the help of advanced energy management systems that are enabled by artificial intelligence and machine learning techniques. These techniques are crucial in the energy management system as they not only reduce energy losses, but also create revenue streams for citizens and city management authorities. Different methods are used to further explore the enhancement of advanced EMSs, such as demand response programs (DRPs) and demand-side management strategies (DMSs). Various technologies, such as the Internet of Things (IoT) and cybersecurity methods, are used in smart cities to make the electrical grid reliable and resilient. One of the main aspects of energy management systems is the optimal accommodation of renewable energies in smart microgrids. Thus, submissions on cutting-edge theoretical and experimental studies and recent advances detailed in comprehensive reviews are warmly welcome.

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### Guest Editors

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Dr. Shah Fahad

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### Deadline for manuscript submissions

closed (30 June 2023)



## Applied Sciences

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### Editor-in-Chief

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