

## Special Issue

# Digital Twins, Industry 4.0 and Energy Management

### Message from the Guest Editors

We are pleased to announce a call for papers for a Special Issue focusing on "Digital Twins, Industry 4.0, and Energy Management" in *Energies*, an open access journal committed to innovative research across various domains of energy.

While Industry 4.0 and digital twin technologies have made significant strides in the manufacturing and building sectors, their application in the field of energy remains underexplored. This Special Issue aims to bridge this gap and present comprehensive insights into the intersection of digital twin technology, Industry 4.0, and energy management. Considering the global emphasis on sustainable energy transition and decarbonisation, there is a compelling need to understand how these digital technologies can contribute to more efficient and sustainable energy systems. This Special Issue aims to fill this research gap and aligns with the commitment of *Energies* to publishing detailed experimental, numerical, and theoretical work.

### Guest Editors

Dr. Hongwei Zhang

Advanced Food Innovation Centre, Sheffield Hallam University, Howard Street, Sheffield S1 1WB, UK

Dr. Augustine Ikpehai

School of Engineering and Built Environment, Sheffield Hallam University, Sheffield S1 1WB, UK

### Deadline for manuscript submissions

closed (19 December 2024)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/187812](https://mdpi.com/si/187812)

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

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





# Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



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



## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

---

### Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University  
Niccolò Cusano, 00166 Roma, Italy

---

### Author Benefits

#### Open Access:

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

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

CiteScore - Q1 (Control and Optimization)