



## Smart Sustainable Techniques and Technologies for Industry 5.0

Guest Editors:

**Prof. Dr. Yuval Cohen**

Department of Industrial  
Engineering, Afeka Tel-Aviv  
College of Engineering, Mivtsa  
Kadesh 38, Tel-Aviv, Israel

**Dr. João Reis**

Industrial Engineering and  
Management, Faculty of  
Engineering, Lusofona University  
and ElGeS, Campo Grande, 1749-  
024 Lisbon, Portugal

**Prof. Dr. Maurizio Faccio**

Department of Management and  
Engineering, University of Padua,  
35122 Padova, PD, Italy

Deadline for manuscript  
submissions:

**30 November 2024**

### Message from the Guest Editors

We invite you to submit an original article or literature review to this Special Issue to promote the integration of artificial intelligence (AI) technologies and smart methods and their management in industrial and organizational settings.

We provide a few examples of possible topics below, but we welcome papers on any topic related to the subject of this Special Issue:

Collaborative and smart robotics;  
Human-centric workplace design and control;  
AI for smart and sustainable manufacturing;  
Intelligent support systems to assist workers in their increasingly complex tasks;  
Smart quality assurance and intelligent inspection;  
Machine learning and big data analytics for sustainable and resilient manufacturing;  
Digital twins modelling in the Industry 5.0 era;  
Additive manufacturing technologies;  
Energy efficiency in manufacturing and industry;  
Machine learning and Big data analytics in manufacturing and logistics;  
Sustainable supply chain management;  
Predictive maintenance for sustainable operations;  
Virtualization and simulation techniques for manufacturing decision making;  
Data-driven decision making in production and operations;  
Smart process control for sustainable operations;





an Open Access Journal by MDPI

## 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

## 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.

## 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](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (*Geography, Planning and Development*)

## Contact Us

*Sustainability* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[X@Sus\\_MDPI](#)