

## Special Issue

# IoT Systems for Sustainable Development

### Message from the Guest Editors

This Special Issue concentrates on the convergence of the Internet of Things (IoT) and sustainable development. It will examine how IoT systems can create newness in sustainability over countless regions including environmental conservation, smart cities, renewable energy, waste management, agriculture, and water resource management. Exploiting IoT technologies, this Special Issue looks to inscribe the daunting challenges of optimizing resource usage, reducing waste, improving efficiency, and promoting sustainability-driven decision-making. The scope of this Special Issue includes theoretical, experimental, and practical research contributions that demonstrate the application of IoT for sustainable solutions. Key topics covered will include:

- Energy-efficient IoT solutions for environmental monitoring.
- IoT-driven smart city infrastructure for sustainability.
- Sustainable IoT systems for precision agriculture and food security.
- Water resource management and pollution control through IoT systems.
- IoT in circular economy models (waste reduction, recycling, and smart waste management).
- IoT-enabled renewable energy integration and grid management systems.

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### Guest Editors

Dr. Jino Ramson

Dr. Walter Daniel Leon-Salas

Dr. Suresh Vishnu

Dr. Xiaozhe Fan

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### Deadline for manuscript submissions

15 October 2025



## Sustainability

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

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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.

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### 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

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