

Special Issue

Smart Manufacturing and Autonomous Systems for Sustainable Development

Message from the Guest Editors

Technologies play a vital role in meeting the 2030 Agenda for Sustainable Development. Among these technologies, smart manufacturing and autonomous systems, as well as other emerging digital technologies, are being put into practice to improve energy efficiency, reduce carbon emissions, create a circular economy and conduct environmental conservation, in addition to other activities. Their impact on sustainability is yet to be widely publicized, which is important for the promotion of further research in this field. The aim of this Special Issue is to publish the latest developments in the application of digital technologies and autonomous systems to address sustainable development issues such as energy efficiency, circular economy, and environmental conservation. Some related fields include, but are not limited to, the following:

- Smart manufacturing for energy efficiency;
- Remanufacturing for circular economy;
- Robotics and autonomous systems for environmental conservation;
- Artificial intelligence and machine learning for situation awareness;
- Industry 4.0;
- Digital technologies for sustainability.

We look forward to receiving your contributions.

Guest Editors

Dr. Jian Wan

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Dr. Ming Zhang

Deadline for manuscript submissions

closed (31 May 2025)



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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.

Editor-in-Chief

Prof. Dr. Marc A. Rosen

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