

Special Issue

Smart Technologies Toward Sustainable Eco-Friendly Industry

Message from the Guest Editors

Smart technologies boost efficiency, reduce environmental impact, and support sustainability. However, challenges like high costs, energy consumption, data availability, and labelling issues hinder their implementation in eco-friendly industries.

This Special Issue aims to collect theoretical and practical articles that establish connections between various eco-friendly support tools, creating a more integrated and structured approach to support sustainable and eco-friendly solutions. Thus, this collection invites research contributions focusing on, but not limited to, the following areas:

- AI and machine learning applications for improving sustainability in manufacturing.
- Failure mode and effect analysis (FMEA) to support sustainable and eco-friendly manufacturing.
- Life cycle assessment (LCA) and prospective LCA to assess the impacts of new and emerging technologies.
- The use of artificial intelligence and sources of technical knowledge sources, such as patents, to support sustainable innovative design through technological forecasting.

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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.

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