

Special Issue on Sustainable and Cleaner Production Technology

Guest Editor:

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A shift toward environmental sustainability and decarbonization requires a green transformation (GX) in manufacturing industries in order to improve competitiveness, and encourage carbon-neutral investment. Intensifying energy and resource sustainability in manufacturing technologies and related fields, such as design, planning, and logistics, has become the main focus in response to decarbonization, and the carbon footprint tied to these processes. The key challenges involve balancing production and sustainable costs while shifting understanding and behavior regarding GX.

This special issue explores various topics related to GX, and its role in enhancing cleaner production within manufacturing industries and related sectors. We invite original papers that focus on the following technologies, systems, and models:

- Sustainable manufacturing processes, including machining, assembling, material handling, storage, and measurement
- Circular economy technologies and systems, including advances in life cycle assessment and CO2 emissions reduction
- Energy-efficient planning and control process planning, production scheduling, and controls,
- Theory, model and algorithm for sustainable supply chain management
- Artificial intelligence-driven sustainability
- Other related technologies

* Speedy Review (1-2months for the first review)

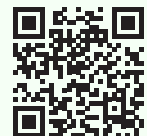
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Pages and important deadlines:

Number of pages: Average 8 printed pages (No limit)
Manuscripts should be in IJAT formats of Microsoft Word, TeX.

Submission Deadline: **June 30, 2025**
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