

## Special Issue

# Revolutionizing Smart Manufacturing: Cutting-Edge Technologies in the Industry's Future

### Message from the Guest Editors

This Special Issue on “Revolutionizing Smart Manufacturing: Cutting-Edge Technologies in the Industry's Future” seeks high-quality, original research articles, reviews, and case studies focusing on the forefront of intelligent production systems. We cordially invite contributions exploring novel applications and breakthroughs in key enabling technologies. Topics include, but are not limited to, the following:

- Smart production system planning and optimization;
- Application of digital twins in product design, manufacturing, assembly, testing and maintenance;
- AI and machine learning for predictive maintenance, quality control, and optimization;
- Intelligent process design and simulation for complex products;
- Innovation design and optimization of engineering equipments;
- Industrial knowledge graph and manufacturing semantics;
- Advanced robotics and collaborative systems;
- Sustainable and green manufacturing enabled by smart technologies.

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### Guest Editors

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### Deadline for manuscript submissions

31 March 2026



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You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

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