



Advancement in Smart Manufacturing and Industry 4.0

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Message from the Guest Editors

This Special Issue, "Advancements in Smart Manufacturing and Industry 4.0", presents a comprehensive exploration of the rapidly evolving manufacturing landscape in the 21st century. As Guest Editors, it is our privilege to invite authors to submit articles that delve into the transformative potential of innovative technologies and Industry 4.0 principles across various industrial domains.

Articles may cover a diverse array of issues, including but not limited to:

- Industry 4.0 and Industry 5.0;
- Digital twins and simulation;
- IoT and connectivity;
- Digital product-service systems;
- Sustainability and green manufacturing.

Through these contributions, this Special Issue will underscore the immense potential of smart manufacturing and Industry 4.0 to increase efficiency, reduce costs, and drive innovation. It also aims to highlight the need for interdisciplinary collaboration and a holistic approach to embrace these technologies effectively.

Keywords

- Industry 4.0 and Industry 5.0
- Digital product-service systems
- Smart Manufacturing
- Sustainability
- Internet of Things





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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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