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## **Smart Manufacturing Systems Towards Sustainability and Zero-Defect Manufacturing**

Guest Editors:

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Deadline for manuscript  
submissions:  
**closed (15 January 2023)**

### **Message from the Guest Editors**

Topics of interest include, but are not limited to:

- Sustainable Industry 4.0;
- Energy monitoring and energy big data;
- Data analytics and data-driven approaches for sustainable manufacturing;
- Digital twin and simulation for energy analysis;
- Zero-defect manufacturing;
- Right first-time approach;
- Machine learning for defect detection;
- Preventive maintenance and condition monitoring;
- Big data analytics, process mining and data mining;
- Applied artificial intelligence and expert systems;
- Cloud manufacturing and cybersecurity in smart manufacturing;
- Green manufacturing (waste management, resources saving, energy efficiency);
- Circular economy and its implications on manufacturing;
- Sustainable materials;
- Eco-design of smart manufacturing systems; and
- Advanced material and lightweight manufacturing.



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# **Special Issue**



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## **Message from the Editor-in-Chief**

*Machines* is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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