

Special Issue

Lean Manufacturing and Sustainable Performance in Digital Era: Challenges and Opportunities

Message from the Guest Editors

With increasing globalization and contemporary market demands, manufacturing efficiency is more and more often defined from the perspective of the dimensions of sustainable development. Manufacturing companies must offer a higher return on investment while reducing environmental impact. It is also necessary for them to offer an attractive workplace for people focusing on learning and developing competencies. In this context, manufacturing processes are very important, ensuring product quality while monitoring natural resource use and the safety of people and processes. The literature recognizes that technological innovations and their applications are able to meet sustainable development challenges. Enabling digital technologies can help organizations achieve more innovative and sustainable operations with data-driven decision-making and optimizing manufacturing operations. This Special Issue aims to present the state-of-the-art theoretical developments, challenges, and opportunities of digital technologies in achieving sustainability in manufacturing processes across various industry sectors.

Guest Editors

Dr. José Dinis-Carvalho

School of Engineering, University of Minho, Braga, Portugal

Dr. Justyna Trojanowska

Faculty of Mechanical Engineering, Poznan University of Technology, Poznan, Poland

Prof. Dr. Malgorzata Jasiulewicz-Kaczmarek

Faculty of Engineering Management, Poznan University of Technology, Poznan, Poland

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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