

## Special Issue

# Lean Manufacturing and Industry 4.0

### Message from the Guest Editors

The increasing application of innovative digital technologies has led to a push for major changes in manufacturing during the era of Industry 4.0. As these changes coincide with the increasing demand for sustainability, there has been a strong case for the application of lean methodologies in all aspects of the manufacturing process. Lean manufacturing is a production method aimed primarily at reducing times within the production system as well as response times from suppliers and to customers. As the application of lean methods is quite broad, it has attracted much attention of many experts in the fields of manufacturing, supply chain management, production simulation, optimization, management and green technologies. This Special Issue seeks original research papers focusing on advances in applications of lean manufacturing methodologies and Industry 4.0 technologies. We hope that this Special Issue will be useful and informative to both researchers and practitioners. We also hope to inspire readers with promising new ideas and directions for future research.

### Guest Editors

Dr. Luís Pinto Ferreira

Prof. Dr. Paulo Ávila

Prof. Dr. João Bastos

Dr. Francisco J. G. Silva

Prof. José Carlos Sá

Prof. Dr. Marlene Brito

### Deadline for manuscript submissions

closed (28 February 2023)



## Machines

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso  
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