

## Special Issue

# Manufacturing Processes: Cutting-Edge Developments and Outstanding Case Studies Using Robotics and Advanced Automation

### Message from the Guest Editor

Competitiveness in different sectors is enormous and it is up to companies to take care of their processes in order to minimize the resources needed to manufacture their products. Automation and robotics have been crucial tools in improving industrial processes.

Therefore, this Special Issue aims to bring together excellent work in the area of improving manufacturing processes, illustrating how much they can improve economic, environmental and social sustainability. In fact, the dissemination of the most recent developments in the area of manufacturing processes using automation and robotics can provide exceptional inputs with a view to improving other industrial sectors, thus contributing to the evolution of knowledge and competitiveness of companies. Therefore, we hope to receive exceptional research papers on the development of new technologies and industrial systems, as well as case studies duly based on theory which validate and prove previously carried out developments.

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### Guest Editor

Dr. Francisco J. G. Silva

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### Deadline for manuscript submissions

closed (31 December 2024)



## 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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