

## Special Issue

# Advanced Manufacturing Processes

### Message from the Guest Editors

The advancement of engineering and the emergence of increasingly individualized and specific applications boost the need to develop advanced manufacturing processes capable of delivering all the required characteristics. These processes, which have very particular features or were developed more recently, deserve special attention in current manufacturing engineering research to overcome their challenges. This progress will spread the use of these processes. This Special Issue will publish high-quality, original research and review papers addressing manufacturing processes such as additive manufacturing technologies, solid-state welding processes (e.g., friction stir welding, explosive welding, magnetic pulse welding), advanced fusion welding and coating processes, powder metallurgy, among others. Different aspects related to these processes may be addressed, including process development, metallurgical characterization, machining, corrosion resistance, industrial applications, improvements in energy efficiency, sustainability and environmental impact, heat treatment and post-processing, case studies, and numerical modeling and simulation.

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### Guest Editors

Dr. Gustavo H. S. F. L. Carvalho

Dr. Rui Manuel Leal

Dr. Ivan Galvão

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### Deadline for manuscript submissions

closed (20 December 2023)



## Applied Sciences

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## About the Journal

### 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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### Editor-in-Chief

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