

Special Issue

Cloud Manufacturing and Digitalization to Sustain Industrial Efficiency

Message from the Guest Editors

In this Special Issue, We invite submissions exploring cutting-edge research and recent advances in the Industry (from 4.0 to 5.0) revolution regarding the sustainability and circularity implications in terms of economic, environmental, and social impacts of manufacturing digitization. Both theoretical and experimental studies are welcome and comprehensive review and survey papers. The objective of this proposed section is to collect contributions to share knowledge on: a business model to support integration, identification, application, and mapping of Industry 4.0 technologies to support sustainability and circularity; cloud manufacturing strategies integrating robotics and advanced network to sustain process efficiency; model, design, control, and simulation of processes to support smart and sustainable environments; Big data analytics and machine learning techniques to sustain energy efficiency in industrials; and human and robot cooperating for fitting sustainability and circularity. Thank you very much and we look forward to receiving submission of your quality research work.

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Deadline for manuscript submissions

closed (20 July 2023)



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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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