

Special Issue

Contemporary Advances in Industry 4.0 Technologies and Theories for Manufacturing Sustainability

Message from the Guest Editors

Riding on the machines that changed the world, industry has undergone numerous revolutions—from the initial steam-engine-powered machines to the advent of electricity in industrial processes for mass production; then the automated machines, which involved advanced electronics and information technologies in automating the production process; and today, the fourth Industrial Revolution (Industry 4.0) which integrates smart machines with digital technologies to maximize industrial productivity.

This Special Issue is therefore aimed at presenting contemporary advances in Industry 4.0 technologies and theories for manufacturing sustainability. We hereby invite authors to submit original research and critical review articles developing sustainability into Industry 4.0 technologies and theories throughout all levels of manufacturing—from pre-manufacturing, manufacturing, and use through post-use stages in the life cycle—to enable a shift in the manufacturing context towards a more sustainability-based state.

Guest Editors

Dr. Hamed Gholami
Prof. Dr. Safian Sharif
Prof. Dr. Georges Abdul-Nour

Deadline for manuscript submissions

closed (31 December 2023)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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