Sustainable, Human-Centred/Centric and Resilient Production and Logistic Systems Design and Management

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Deadline for manuscript submissions:
closed (20 February 2024)

Message from the Guest Editors

Dear Colleagues,

Due to the increasing needs of different customers today, we have huge product variety and consequently a complex mixture of products at low volume, leading to frequent disruptive events. Humans, therefore, cannot be completely substituted in the production and logistic processes, even in the automation and digitalization era.

For this reason, in 2021, the European Union proposed Industry 5.0 to complement Industry 4.0, with further consideration of the role and contribution of industry to society by placing research and innovation at the service of the transition to a sustainable, human-centred/centric and resilient industry (Breque et al., 2021).

Humans operate, supervise and re-adjust the system, especially in case of emergencies or unpredictable events, acting as the main elements of resilience within the systems. Such capabilities makes it imperative to design and manage a production and logistic system with a socially sustainable workforce.

This Special Issue seeks original manuscripts to investigate the "Sustainable, Human-Centred/Centric and Resilient Production and Logistic Systems Design and Management".

Special Issue

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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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