Special Issue

Future-Proof Solutions for Intelligent and Sustainable Machinery and Equipment

Message from the Guest Editor

Innovative machines and devices for the agri-food and forestry sectors have been dynamically developing for several years, creating space for the development of all fields of science. For many scientists, this means a great opportunity for dynamic development, which translates into lower production costs of products and a significant increase in efficiency, and thus better quality of products. The use of modern and even innovative design solutions and algorithms in control systems, machine learning, and artificial intelligence methods, as well as simulation methods, allows the optimization of individual processes and sets of innovative machines. The constantly growing expectations of the market and potential customers force the development of new and innovative machines and devices and their automation through the use of innovative algorithms in automation and control systems. Intelligent machines, devices, and systems are becoming an inseparable element of industry 4.0, agriculture 4.0, and sustainable food system 4.0, and even a guide to defining 5.0 techniques.

Guest Editor

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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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