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Agricultural Machinery and Robotics: Design, Control and Applications

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Message from the Guest Editors

Over the last few decades, the agricultural sector has faced fast growth in terms of the utilization of robots as well as in the investigation of autonomous agricultural machines. Moreover, attention on precision and smart farming is increasing, with the ultimate aim of achieving sustainable development objectives and decreasing operational expenditures in agricultural operations. In addition, the use of artificial intelligence, Internet of Things and digital twin processes is increasing incessantly. This significant improvement in technologies, processes and equipment in the agricultural sector is also due to the activity of many researchers around the globe. Moreover, these new technologies applied to agricultural machinery contribute to improving safety levels in a sector characterized by a significant number of accidents.

This Special Issue will be devoted to state-of-the-art research on agricultural machinery for smart and precision farming, as well as the use of robots and cobots in agriculture. Prospective authors are invited to submit original papers to this Special issue.



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Special Issue



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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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