

Special Issue

Application of Robots and Automation Technology in Agriculture

Message from the Guest Editors

Automation, robotics, AI, and IoT enable precise farm operations and environmentally sustainable practices to be achieved by allowing precision management of nutrients and plant protection products, mechanical weed removal, harvesting, and reducing the need for human labour. This Special Issue will address new topics of robotics and automation technology applied to agriculture. The aim is to publish new works and advances in research using technological innovations to automate the processes of farming, aiding a move toward remedying the lack of human resources in the agriculture field. Submissions are welcome from topics including—not limited to—the following: Mobile robotics applied to agriculture support; Unmanned aerial robotics to support agriculture tasks and monitoring of environmental applications; Collaborative manipulators to support people on agricultural applications (soil preparation, seeding, crop protection); Robots for pruning, thinning, harvesting, mowing, and spraying; Robotic platforms for monitoring, prediction, and aiding in decision making; IoT for sampling and data collection.

Guest Editors

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Deadline for manuscript submissions

closed (25 March 2023)



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About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

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