

## 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

Prof. Dr. José Lima

Prof. Dr. José Boaventura Ribeiro da Cunha

Dr. Antonio Valente

Dr. Filipe Neves Dos Santos

### Deadline for manuscript submissions

closed (25 March 2023)



## Agriculture

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## About the Journal

### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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### Editor-in-Chief

Prof. Dr. Les Copeland

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