

Special Issue

Research Advances in Perception for Agricultural Robots

Message from the Guest Editors

This Special Issue aims to publish original, peer-reviewed papers on state-of-the-art smart sensing and perception technologies and their practical applications in agricultural robotic systems. These papers will encompass various artificial intelligence methodologies applied to different robotic platforms, including flying and ground-based systems, with a particular focus on their advanced perceptual and cognitive capabilities. These technologies will be explored for applications in smart agriculture, spanning livestock, horticulture, forestry and related fields. Articles related to smart robots in agriculture are encouraged, highlighting innovations in software and hardware development. Submissions in the form of original research, short communications and comprehensive reviews are welcome. Keywords: robotics; machine learning; deep learning; computer vision; perception; navigation; manipulation

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

Prof. Dr. Les Copeland

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