

***Special Issue on  
Robotics Technology for Agriculture***

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In agricultural environments human laborers adaptively perform many tasks such as seeding, weeding, spraying pesticides, or harvesting. Due to the advances in robotic perception, learning and hardware, it is now possible for them to be deployed for such tasks. With an increasing global population and worsening climate conditions, this is becoming increasingly important; robotic technologies are required to perform agricultural tasks in an efficient and sustainable manner to preserve food security. To enable robots to operate in challenging agricultural environments we require technologies that show human-levels of adaptivity in recognition, planning, grasping, and even just locomotion. In this sense, agriculture can be considered to be one of the best milestones for assessing progress made in robotics.

This special issue focuses on agriculture-related robotics technologies for realizing adaptability in the real world/field. We are accepting goal-directed real-world application papers, which sometimes may not be accepted in more traditional robotic journals. We encourage a focus on new and novel ideas generated from interdisciplinary field working towards the common goal of achieving adaptive intelligence.

*Submission:* The full-length manuscript (either PDF file or MS word file) should be sent by **November 30, 2022** to the office of Advanced Robotics, the Robotics Society of Japan through the homepage of Advanced Robotics (<https://www.rsj.or.jp/pub/ar/submission.html>). Instructions for authors and example manuscript template are available on the homepage. When submitting please also send a copy of your submission to **Prof. Koh Hosoda** ([hosoda@sys.es.osaka-u.ac.jp](mailto:hosoda@sys.es.osaka-u.ac.jp)) for confirmation.