

Special Issue

Advances in Aerial Application Equipment and Technology for Agricultural Production

Message from the Guest Editors

Owing to the development of sensors and intelligent control technology, unmanned and manpower-saving aerial application equipment and technology are being iteratively upgraded to promote efficient and intelligent agricultural production. Nowadays, the application domain of aerial application technology is subdivided, and it is expanding to many new application scenarios (e.g., fertilization, seeding, pollination, detasseling, and feed delivery), exhibiting great potential in agricultural production.

This Special Issue focuses on in-depth research addressing novel aerial application technologies and equipment for agricultural production, including remote sensing, aircraft path planning and navigation, experimental and numerical models for the movement of agricultural materials, collaboration between UAVs and UGVs, accurate application control methods and the evaluation of the application quality. Research articles will cover a broad range of aerial applications for agricultural production, including chemical spraying, fertilization, seeding, pollination, and detasseling, etc. All types of articles, such as original research, opinions, and reviews, are welcome.

Guest Editors

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Deadline for manuscript submissions

closed (15 July 2024)



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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

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