

Special Issue

Internet of Things (IoT) and Agricultural Unmanned Aerial Vehicles in Smart Agriculture

Message from the Guest Editor

The Internet of Things (IoT) and unmanned aerial vehicles (UAVs) are transforming the way agriculture is being practiced, ushering in the era of smart agriculture. UAV remote sensing observations and IoT sensors can provide farmers with a wealth of real-time data and depict the spatial patterns of crop growth status and environmental conditions. With this information, farmers can make informed decisions about how to optimize crop production and resource usage, including water, fertilizer, or pesticide practices, and take necessary actions before problems escalate and result in significant crop losses. On the other side, the combination of IoT and UAV technology makes it possible to automate many farming processes, including monitoring and controlling irrigation systems, thereby reducing water waste and optimizing plant growth, as well as reducing the need for human intervention and increasing efficiency. This Special Issue focuses on the application of IoT and UAVs in agriculture for better serving agro-management via providing real-time and accurate information of crop growth (including field crops, vegetation, ornamental, and fodders).

Guest Editor

Dr. Wanxue Zhu

Department of Crop Sciences, University of Göttingen, Von-Siebold-Str. 8, 37075 Göttingen, Germany

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Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

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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

Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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