

Special Issue

UAV-Based Remote Sensing: Driving Green Practices in Agriculture

Message from the Guest Editors

With an increasing world population and the threat of climate change, current agronomic practices must be highly productive, but also efficient and sustainable, to ensure food safety and security. The exploitation of remote sensing (RS) data has become an essential tool to assess the production and the efficient use of bioresources. This Special Issue of *Agriculture* aims to collect state-of-the-art manuscripts related to local-scale applications of UAV-based RS, particularly focused on precision agriculture with a prospective focus on sustainability. We welcome submissions that show evidence of the enhancement of knowledge on (but not limited to) the following topics:

- Production efficiency and resource optimisation (e.g., irrigation water management, fertilization, etc.).
- Innovative solutions in food safety and security based on low-altitude RS.
- New approaches and tools for data processing (e.g., machine learning) in precision agriculture.
- Studies analysing efficiency, cost, advantages, or limitations of drones in agriculture, and potential contributions of UAVs to meet SDGs.

Guest Editors

Dr. Marcos Arza-García

CIGEO—Civil & Geomatics Research Group, Higher Polytechnic School of Engineering (EPSE), University of Santiago de Compostela, 27002 Lugo, Spain

Dr. Alexandra Jacquelyn Burgess

Department of Agriculture and Environmental Sciences, School of Biosciences, University of Nottingham, Loughborough LE12 5RD, UK

Deadline for manuscript submissions

closed (25 May 2023)



Agriculture

an Open Access Journal
by MDPI

Impact Factor 4.5
CiteScore 7.8



mdpi.com/si/151628

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

[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)





Agriculture

an Open Access Journal
by MDPI

Impact Factor 4.5
CiteScore 7.8



[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)



About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), GEOBASE, PubAg, AGRIS, RePEc, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)