

Special Issue

Precision Agriculture Adoption Strategies

Message from the Guest Editor

Precision Agriculture (PA) is defined by ISPA as a management strategy. It aims to obtain higher productivities, sustainable incomes and optimizes use of resources, while minimizing environmental impacts. PA involves the adoption of technological advances, such as crop and soil sensors, remote sensing, GIS technology, variable rate application machinery and technology to name a few, in combination with data processing and assessment. This allows for improved decision making aiming for a more rational use of farming inputs, bringing economic and environmental benefits. However, the level of PA adoption is still low at a global scale. This Special Issue intends to assess the adoption rates, bottlenecks for adoption, adoption promotion, strategic plans and incentives of PA in agroecosystems. Articles may include, but are not limited to, the following topics:

- Implementation and adoption of PA;
- Economic and environmental benefits of PA;
- Main bottlenecks for adoption of PA;
- Policies and incentives to promote PA;
- Benefits of Big Data and IoT in PA;
- Adoption of digitalization and robotics.

Guest Editor

Dr. Gonalo C. Rodrigues

LEAF, Linking Landscape, Environment, Agriculture And Food, Instituto Superior de Agronomia (ISA), School of Agriculture, University of Lisbon, Tapada da Ajuda, 1349-017 Lisbon, Portugal

Deadline for manuscript submissions

closed (31 May 2022)



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



mdpi.com/si/83558

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 3.6
CiteScore 6.3



[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, 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

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), PubAg, AGRIS, RePEc, and other databases.

Journal Rank:

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