



Precision Agriculture Adoption Strategies

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Deadline for manuscript
submissions:

closed (31 May 2022)

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.





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Message from the Editor-in-Chief

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