

## Special Issue

# Smart Farming Technology in Cereal Production

### Message from the Guest Editors

The growing global demand for cereals, coupled with increasing environmental constraints and limited natural resources, necessitates the adoption of innovative, technology-based solutions in agricultural systems. In this context, smart farming represents a transformative approach to cereal production, integrating digital technologies, data-driven decision-making, and automation to enhance productivity, efficiency, and sustainability. This Special Issue, “Smart Farming Technology in Cereal Production”, invites original research articles, comprehensive reviews, and applied case studies that examine the development, implementation, and impact of advanced technologies in the cultivation and management of cereal crops. We seek contributions that critically assess how smart farming techniques—including precision agriculture, remote sensing, sensor networks, robotics, and artificial intelligence—can improve input efficiency, reduce environmental impacts, and increase the resilience of cereal-based systems to climate variability. Submissions are encouraged from a wide range of disciplines, including agronomy, agricultural engineering, computer science, and environmental science.

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### Guest Editors

Prof. Dr. Andrzej Borusiewicz

Prof. Dr. Janusz Zarajczyk

Prof. Dr. Maciej Kubon

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### Deadline for manuscript submissions

25 August 2026



## Agriculture

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## 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.

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### Editor-in-Chief

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