Special Issue

The Influence of Agricultural Management Practices on Cereal Yield and Quality

Message from the Guest Editor

Cereal yield and quality are determined by genotype, environmental conditions, and the specific agrotechnical system used. The simultaneous impact of multiple agrotechnical elements within these systems is of particular importance. Managing cereal crops means selecting the appropriate production system, primarily encompassing tillage systems (including conservation tillage), sowing date and density strategies, appropriate crop rotation, cover crops, cultivars selection, balanced fertilization, and integrated plant protection. Integrated cereal production systems should be particularly promoted, as they can contribute to food security while also reducing negative environmental impacts. This Special Issue focuses on the development and application of modern, modified, or improved individual components in the agricultural management of all cereal crop species grown in the field. Research articles cover a wide range of innovative technologies in cereal crop cultivation that will achieve yield stability and desirable quality traits, and will promote the resistance of these crops to adverse environmental conditions, including abiotic stresses caused by climate change.

Guest Editor

Dr. Jan Buczek
Department of Crop Production, University of Rzeszow, Zelwerowicza 4 St., 35-601 Rzeszow, Poland

Deadline for manuscript submissions

20 May 2026

Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 6.3

mdpi.com/si/263503

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

mdpi.com/journal/agriculture

Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 6.3

mdpi.com/journal/agriculture

MDPI

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

Journal Rank:

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