

Special Issue

Research on Technologies for Achieving High-Yield Wheat

Message from the Guest Editors

Achieving high-yield wheat is critical to ensuring global food security. There are lots of practical technologies to improve wheat yields. However, most of these technologies are superficial, and lack convincing experimental data and more in-depth mechanistic studies, especially from farmers or extension personnel. In addition, each year the breeders will announce new record-breaking yields of their wheat cultivars, as it seems the yield level is climbing annually; however, the explanations behind these new records are less studied and summarized. As far as we know, the yield record of wheat has already broken through 15.0 t/ha. Therefore, the technologies for achieving high-yield wheat should be thoroughly summarized and shared all over the world to increase wheat yield in large areas. This Special Issue focuses on single technology and the combined/integrated systematic technologies for achieving high-yield wheat. The effects of yield improvement and the underlying mechanism, from field to physiology, ecology, and even at the molecular level, should be presented.

Guest Editors

Prof. Dr. Haiyong Xia

Dr. Xinglong Dai

Dr. Xiaoli Hui

Deadline for manuscript submissions

closed (15 September 2024)



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



mdpi.com/si/184466

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)