agronomy

an Open Access Journal by MDPI

IMPACT FACTOR 3.7

CITESCORE 5.2

# Rice Genetics: Trends and Challenges for the Future Crops Production

Guest Editors:

**Prof. Dr. Kwon-Kyoo Kang**
Division of Horticultural Biotechnology, Hankyung National University, Anseong 17579, Republic of Korea

**Prof. Dr. Yong-Gu Cho**
Department of Crop Science, College of Agriculture, Life and Environment Sciences, Chungbuk National University, 1 Chungdae-ro, Seowon-gu, Chongju 28644, Republic of Korea

Deadline for manuscript submissions:
**closed (30 June 2022)**

## Message from the Guest Editors

Dear Colleagues,

Future food security will require reducing crop losses due to environmental factors, including climate change, as well as transformative advances that provide major gains in yields. More recent genomic technologies have expedited breeding and trait development for increased environmental resilience and productivity. Complementary to breeding approaches, advances in the spatial and temporal regulation of engineered genes and pathways are increasingly accelerated by the targeted editing of genomes using CRISPR?Cas technology. A greater understanding of plant mechanisms that increase yields in variable environments is essential to drive the necessary gains in crop improvement, which can be fuelled by genetic diversity and implemented by genome-scale breeding, finely-tuned gene engineering and more precise agronomic management practices. This Special Issue will provide a platform to present and discuss related topics of research progress and trends in the genetics, genomics, and breeding of rice.

Prof. Dr. Kwon-Kyoo Kang
Prof. Dr. Yong-Gu Cho
*Guest Editors*

agronomy

IMPACT FACTOR 3.7

CITESCORE 5.2

an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Peter Langridge**
School of Agriculture, Food and Wine, University of Adelaide, Urrbrae, SA 5064, Australia

## Message from the Editor-in-Chief

*Agronomy* draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet. *Agronomy* is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

## 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, and other databases.
**Journal Rank:** JCR - Q1 (*Agronomy*) / CiteScore - Q1 (*Agronomy and Crop Science*)

## Contact Us

*Agronomy* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/agronomy
agronomy@mdpi.com
𝕏@Agronomy_Mdpi