

Special Issue

Advances in Functional Genomics for Crop Improvement

Message from the Guest Editors

In recent years, several advancements in functional genomic approaches and tools, have been attained. These tools have been utilized or are being utilized for numerous purposes, including nutritional improvement and stress tolerance in several agricultural and horticultural crop species. In this context, advancements in the use of functional genomics and genome engineering tools for crop biofortification for nutritional improvement, nutraceuticals improvement, flavonoid enrichment, yield improvement, disease resistance, virus resistance, abiotic stress tolerance, etc. should be covered in this field. Moreover, the applications of these tools in oil seed crops, vegetables, ornamental plants, etc., should also be included. This Special Issue focuses on the application of advances in functional genomics approaches for the nutritional, quality, and yield improvements in various agricultural and horticultural crops. For this reason, it welcomes highly interdisciplinary quality studies from disparate research fields, including agriculture, horticulture, functional genomics, plant biotechnology, gene cloning, characterization, etc. Original research articles and reviews are accepted.

Guest Editors

Dr. Santosh Kumar Upadhyay

Prof. Dr. Kashmir Singh

Dr. Prashant Misra

Deadline for manuscript submissions

closed (25 March 2023)



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



mdpi.com/si/141058

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)