

Special Issue

Mining Favorable Alleles for Crop Yield, Biotic and Abiotic Stress Tolerance

Message from the Guest Editors

The main aim of the proposed Special Issue is to gather research methods, innovations, and knowledge in the areas of mining and utilization of favorable alleles for yield and its components, and biotic and abiotic stress tolerance in crops. We invite researchers to contribute their original research papers and reviews on the following themes. Potential topics include, but are not limited to, the following:

- Candidate gene and favorable allele identification for yield, biotic and abiotic stress tolerance;
- Favorable haplotype-based molecular breeding;
- Genome editing for yield and stress tolerance improvement;
- Introgressing and pyramiding favorable genes via genomic selection.

Guest Editors

Dr. Jianlong Xu

Institute of Crop Sciences, Chinese Academy of Agricultural Sciences, Beijing 100081, China

Prof. Dr. Meixue Zhou

Tasmanian Institute of Agriculture, University of Tasmania, Hobart, TAS, Australia

Deadline for manuscript submissions

closed (30 June 2025)



Biology

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.4
Indexed in PubMed



mdpi.com/si/196059

Biology

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

[mdpi.com/journal/
biology](https://mdpi.com/journal/biology)





Biology

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.4
Indexed in PubMed



[mdpi.com/journal/
biology](https://mdpi.com/journal/biology)



About the Journal

Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

Editors-in-Chief

Prof. Dr. Jukka Finne

Research Programme in Molecular and Integrative Biosciences, Faculty of Biological and Environmental Sciences, University of Helsinki, P.O. Box 56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya

Integrative Systems Biology Institute, University of Valencia and CSIC, 46980 Valencia, Spain

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (General Agricultural and Biological Sciences)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.4 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2025).