

Special Issue

Unraveling the Molecular Mechanisms of Development and Stress Tolerance in Vegetables

Message from the Guest Editors

The development and growth of vegetables are complex processes that involve a multitude of molecular mechanisms. These mechanisms not only facilitate the vegetables' normal growth but also their adaptation to various environmental stresses. Understanding these molecular mechanisms is essential for improving vegetable crop yield, quality, and stress tolerance, which is crucial for sustainable agriculture and human survival. This Special Issue aims to provide a platform for researchers to share their latest findings on the molecular mechanisms underlying vegetable development and stress adaptation. We welcome studies that employ cutting-edge technologies and approaches to explore the genetic, epigenetic, and biochemical regulation of vegetable growth and stress responses. The results of these studies are expected to offer new insights into the biology of vegetable crops and provide a basis for developing strategies to enhance their yield and stress tolerance. We are pleased to invite you to submit your work to this Special Issue.

Guest Editors

Dr. Zhansheng Li

Prof. Dr. Jin Xu

Prof. Dr. Ying Li

Deadline for manuscript submissions

31 July 2026



Biology

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.4
Indexed in PubMed



mdpi.com/si/209917

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, CAPus / 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).