



life



an Open Access Journal by MDPI

Plant Biotic and Abiotic Stresses 2024

Guest Editors:

Dr. Gastón Pizzio

Institute for Integrative Systems
Biology, I²SysBio, Universitat de
València—CSIC, 46908 Paterna,
Valencia, Spain

Dr. Jie Luo

College of Horticulture & Forestry
Sciences, Huazhong Agricultural
University, Wuhan 430070, China

Deadline for manuscript
submissions:

30 May 2025

Message from the Guest Editors

Dear Colleagues,

Global food production and the concomitant human survival significantly rely on crop stress resistance. Both biotic and abiotic stresses, exacerbated by climate change, represent substantial constraints on worldwide agricultural output. Employing different agricultural formulations based on biostimulants that enhance tolerance mechanisms to stress emerges as a promising strategy to address this looming threat. Such formulations, from phytohormones to antioxidants, have the potential to enhance plant resilience to stress through osmotic adjustment, antioxidant response stimulation, or immunity activation, among other processes. The development of novel strategies in plant management to enhance both biotic and abiotic stresses is essential to mitigate production losses and augment crop resilience against diverse stressors.

This Special Issue of Life, entitled “Plant Biotic and Abiotic Stresses”, aims to compile original research articles and review papers regarding this matter.

Dr. Gastón Pizzio

Dr. Jie Luo

Guest Editors



mdpi.com/si/193690

Special Issue



life



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in
Biomedicine (IRB Barcelona), The
Barcelona Institute of Science
and Technology, 08028
Barcelona, Spain

Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [CAPus / SciFinder](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Biology*) / CiteScore - Q2 (*Paleontology*)

Contact Us

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

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

mdpi.com/journal/life
life@mdpi.com
[X@Life_MDPI](#)