Special Issue

Biological Response of Plants to Environmental Changes

Message from the Guest Editors

Global drivers of environmental change such as climate and pollution may have a remarkable effect on the biological response of plants. Plants (including lichens and bryophytes) show an integrated response to environmental factors and have been used for many years to evaluate the uptake and enrichment of air pollutants in biota, as well as injury, damage, and yield loss in crop plants. The biological monitoring of plants is of practical value in assessing exposure and risk caused by various pollutants, both outdoors and indoors. The use of sensitive indicator plants can lead to detailed statements on the overall biological effect of pollutants. The knowledge of pollutant uptake in plants relevant to human nutrition can give a hint to the potential exposure risk for humans.

Guest Editors

Dr. Stefano Loppi

Department of Life Sciences, University of Siena, 53100 Siena, Italy

Dr. Luca Paoli

Department of Biology, University of Pisa, I-56126 Pisa, Italy

Deadline for manuscript submissions

30 November 2024



Biology

an Open Access Journal by MDPI

Impact Factor 3.6 CiteScore 5.7 Indexed in PubMed



mdpi.com/si/153266

Biology

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

mdpi.com/journal/ biology





Biology

an Open Access Journal by MDPI

Impact Factor 3.6 CiteScore 5.7 Indexed in PubMed





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 16.1 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2024).

