



plants



an Open Access Journal by MDPI

Transcription Factors Associated with Plant Growth and Senescence

Guest Editors:

Dr. Ivana Viola

Instituto de Agrobiotecnología
del Litoral (CONICET-UNL),
Cátedra de Biología Celular y
Molecular, Facultad de
Bioquímica y Ciencias Biológicas,
Universidad Nacional del Litoral,
Santa Fe, Argentina

Dr. Daniel H. Gonzalez

Instituto de Agrobiotecnología
del Litoral (CONICET-UNL), Santa
Fe, Argentina

Deadline for manuscript
submissions:

closed (20 October 2023)

Message from the Guest Editors

The control of gene expression is essential for the regulation of growth and developmental processes that shape plants as well as their adaptation to the environment. Transcription factors are key components of transcriptional control that consist of modular domains, which specifically interact with DNA target sequences and recruit proteins to influence transcription events. Their activity is modulated at different levels. Transcription factors are the center of intricate molecular networks, controlling cell differentiation and growth, tissue and organ development, responses to hormones, environmental factors, and disease resistance. Senescence, the final stage of plant growth and development, is a tightly regulated developmental program affected not only by age but also environmental signals and is also coordinated by transcription factors.

The aim of this Special Issue is to include articles that illustrate and discuss the plant transcription factors involved in the regulation of plant growth and senescence programs, as well as the molecular mechanisms through which they act. Research papers, short communications, reviews, and perspective papers are all welcome.



mdpi.com/si/133919

Special Issue



plants



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Dilantha Fernando

Department of Plant Science,
University of Manitoba, Winnipeg,
MB R3T 2N2, Canada

Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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](#), [PubAg](#), [AGRIS](#), [CAPlus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

Contact Us

Plants Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/plants
plants@mdpi.com
[X@Plants_MDPI](https://twitter.com/Plants_MDPI)