

Special Issue

The Evolution of Protein Structure and Function in Plants

Message from the Guest Editor

Protein sequences contain essential structural elements that lead to their functionality. These elements normally are highly conserved and can be directly involved in functionality or have a complementary role through diverse mechanisms. The distribution of structural elements along a protein sequence can give important clues about the underlying evolutionary process. From an evolutionary perspective, changes in sequences, protein structures, and functions can drive phenotypic changes through neutral and adaptive mechanisms. Protein sequence, structure, and function are inherently linked through evolution. The increasing number of plant genome projects available as well as the development of computational tools and new approaches and experimental methods have made proteome evolution an active area of research. Despite the amount of available information, there are still open questions and research challenges in this field. Authors are invited to submit papers focused on the evolution of protein structure and function in plants at all levels to this Special Issue.

Guest Editor

Dr. Inmaculada Yruela

Estación Experimental de Aula Dei, National Spanish Research Council (CSIC), 50059 Zaragoza, Spain

Deadline for manuscript submissions

closed (31 December 2019)



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/28204

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

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





Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



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



About the Journal

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.

Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science, University of Manitoba, Winnipeg, MB
R3T 2N2, Canada

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)