Special Issue

Deep Learning in Plant Sciences

Message from the Guest Editors

With the advent of computational technologies, new approaches have been proposed by researchers to address challenging problems in plant sciences. The combination of deep learning and plant research has brought about major breakthroughs in diverse areas of plant biology, such as phenology, identification and classification, disease detection, plant phenomics and high-throughput phenotyping. In this Special Issue, we welcome contributions at the intersection of deep learning and plant studies with a broad application, including, but not limited to, agriculture, industry, basic research, and software development. We welcome original research articles, methodology, reviews, and short communications.

Guest Editors

Dr. Ana Barradas

Dr. Jorge Marques da Silva

Dr. Pedro Mariano

Dr. Tae-Hyuk Ahn

Deadline for manuscript submissions

closed (20 June 2023)

Plants

MDPI

Plants

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)

MDPI