Special Issue

Plant Tissue Culture II

Message from the Guest Editor

Plant tissue culture, a scientific technique that exploits the totipotency of plant cells or tissue to regenerate entire or desired plant parts, is being employed in the improvement of plant quality, the production of disease free plants, the production of secondary metabolites and bioactive compounds in liquid cultures, and in mass plant propagation. Plant tissue culture is also used as a platform to obtain a fundamental understanding of plant biology via understanding plant physiology, biochemistry, cytology, embryology, and molecular biology. Mass spectrometry is a superior analytical tool that yields valuable information rapidly with ease for various areas of plant biology research that operate on a plant tissue culture platform. Therefore, reviewing the analytical performance of MS-based methods in the cellular arena is necessary for the furtherance of this integrative technology for the betterment of plant biology.

Guest Editor

Dr. Iyyakkannu Sivanesan

Department of Bioresources and Food Science, Institute of Natural Science and Agriculture, Konkuk University, 1 Hwayang-dong, Gwangjin-gu, Seoul 05029, Republic of Korea

Deadline for manuscript submissions

closed (31 December 2021)

Plants

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed

mdpi.com/si/64351

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

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

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)