Special Issue

Research and Utilization of Halophytes for Phytoremediation of Saline-Alkali Land

Message from the Guest Editors

Soil is an essential resource. Soil provides living space for humans, in addition to essential ecosystem services that so vital for water regulation and supply, climate regulation, biodiversity conservation, carbon sequestration and cultural services.

Some soils are naturally saline or sodic and harbor valuable ecosystems. However, secondary salinity and sodicity can develop or increase rapidly in response to unsustainable human activities, posing a threat to agricultural production, food security and the achievement of the sustainable development goals (SDGs). Salinization and sodification of soils are among the most serious global threats to arid and semi-arid regions. Saline soils have excessive levels of soluble salts. This can negatively impact or inhibit plant growth and be toxic to life.

The solution is simple but challenging. We must halt soil salinization and boost soil productivity. The of this Special Issue are eager to publish a wide array of perspectives and innovative studies on this cutting-edge issue.

Guest Editors

Dr. Xiaohua Long

College of Resources and Environmental Sciences, Nanjing Agricultural University, Nanjing 210095, China

Dr. Shao Tianyun

College of Resources and Environmental Sciences, Nanjing Agricultural University, Nanjing 210095, China

Deadline for manuscript submissions

closed (31 December 2023)

Plants

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed

mdpi.com/si/174920

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)

MDPI