



Dynamics and Stability of Plant Communities in Sand Dunes

Guest Editor:

Prof. Dr. Pua Bar Kutiel

The Department of
Environmental, Geoinformatics,
and Urban Planning Sciences,
Ben-Gurion University of the
Negev, P.O.B. Beer-Sheva 84105,
Israel

Deadline for manuscript
submissions:

closed (31 January 2024)

Message from the Guest Editor

Sand dunes exhibit interesting forms and dynamics. They cover vast areas of the world's deserts (~20%) but are also found along seashores, streams, and semi-arid climates, in glacial outwash areas, and even in the tropics. The dune ecosystems are usually associated with unique biological and ecological activity. However, they evolved under limiting environmental conditions such as substrate mobility, high soil surface temperatures, low soil nutrient contents, low moisture retention, and salt spray. As a result, plants developed numerous adaptations to withstand all these limitations. Significant differences follow any change in the environmental conditions in plant communities, diversity, and spatial patterns. Therefore, dune ecosystems are considered sensitive indicators of climate change and human disturbances.

The purpose of the Special Issue is to incorporate articles that will present new findings and insights based on a long-term database that also supports models that can significantly predict the future of dunes in different parts of the globe considering the environmental changes in the era of the Anthropocene.





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)