

Special Issue

Plant Biodiversity Patterns and Their Driving Forces

Message from the Guest Editors

Plant ecological communities are one of nature's most dynamic systems, with several species interacting and interconnected. Global climate change is a major challenge facing humanity and has led to an increased interest in the impacts and responses of plant species and ecosystems to environmental variation. Studies that test the influence of environmental variables on the ecology and physiology of plant species are necessary to understand how current and future climatic changes can impact species. This Special Issue will focus on all the aforementioned aspects under the section Ecology, potential topics include but are not limited to:

Ecological and physiological plasticity;
Climate change and biodiversity patterns;
Forest health and environment variability;
Vegetation dynamics and ecological gradients;
Environmental impact and community assembly;
Community structure and species interactions;
Species composition and diversity;
Forest carbon sequestration, biomass, and soil carbon pool estimation.

Guest Editors

Prof. Dr. Rainer W Bussmann

Department of Ethnobotany, Institute of Botany, Ilia State University,
0105 Tbilisi, Georgia

Dr. Inayat Ur Rahman

1. Department of Botany, Hazara University, Mansehra 21300, KP, Pakistan
2. William L. Brown Center, Missouri Botanical Garden, 4344 Shaw Blvd, St. Louis, MO 63110, USA

Deadline for manuscript submissions

closed (20 January 2023)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/93274

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

mdpi.com/journal/

appls





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



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



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)