

Special Issue

Sustainable Agro-Ecosystems: The Role of Innovative Amendments in Crop Production Under Polluted Environments

Message from the Guest Editors

Global demand for food is expected to continue increasing markedly in the coming decades, mainly due to human population growth, but also to rising incomes in developing countries. On the other hand, the increase in industrialization has caused the deterioration of soil, environment, and ultimately food quality. Agricultural crop production has been especially threatened by climatic extremes, including but not limited to droughts, salinity stress, heavy metal stress, water logging, heat waves, potentially toxic elements (PTEs), and attack by pathogens. Therefore, more suitable strategies should be considered to produce more food on the existing land base, while simultaneously reducing environmental impacts. Pertinent to this, novel agricultural approaches to sustain agricultural production on marginal/degraded lands have been developed, our understanding of the effects of innovative (organic and inorganic) amendments on crop stress (biotic and abiotic) tolerance is limited. This Special Issue will also focus on such interactions, rhizospheric modifications/engineering, and the role of plant-growth-promoting rhizobacteria (PGPR) in sustainable crop production.

Guest Editors

Prof. Dr. Muhammad Naveed

Institute of Soil and Environmental Sciences, University of Agriculture,
Faisalabad 38040, Pakistan

Dr. Adnan Mustafa

Institute of Chemistry and Technology of Environmental Protection,
Faculty of Chemistry, Brno University of Technology, 61200 Brno,
Czechia

Deadline for manuscript submissions

14 August 2025



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/72287

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

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





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



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



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, 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 and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)