

Special Issue

Phytoremediation: Current Facts and Future Perspectives

Message from the Guest Editor

As a consequence of anthropogenic activities, ecosystems are constantly contaminated by foreign substances. Soils have been severely affected by organic and inorganic pollutants worldwide. Therefore, it is necessary to make direct efforts to find appropriate technological strategies for efficient and cost-effective soil remediation. In this regard, phytoremediation is an effective, green, and economical bioremediation technique. Different methods, such as phytoextraction, phytostabilization, phytofiltration, and phytovolatilization, can be employed to diminish contaminations. In this Special Issue, the current background, ideas, processes, and applications of phytoremediation are widely discussed. To emphasize the plant life form, the associated microbiota, ecological functions of hyper-accumulating plants, and their role in phytoremediation are discussed. Molecular, biochemical, and physiological mechanisms for coping with chemical agents, as well as the use of amendments and microorganisms in phytoremediation, are also discussed in depth from an integrative point of view.

Guest Editor

Prof. Dr. Efraín Tovar-Sánchez

Centro de Investigación en Biodiversidad y Conservación, Universidad Autónoma del Estado de Morelos, Av. Universidad 1001, Col. Chamilpa, Cuernavaca C.P. 62209, Mexico

Deadline for manuscript submissions

31 January 2026



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/223662

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

mdpi.com/journal/

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





Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



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



About the Journal

Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet.

Agronomy is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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), PubAg, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)