



Agroecological Approaches for Soil Health and Water Management

Guest Editors:

Dr. Bharat Sharma Acharya

Department of Mines, State of
Oklahoma, 2915 North Classen
Blvd., Suite 213, Oklahoma City,
OK 73106, USA

Sharma.Acharya@mines.ok.gov

Prof. Dr. Rajan Ghimire

Department of Plant and
Environmental Sciences, New
Mexico State University, Las
Cruces, NM 88003, USA

rghimire@ad.nmsu.edu

Deadline for manuscript
submissions:

31 August 2021

Message from the Guest Editors

Dear Colleagues,

There is growing concern regarding soil health degradation, soil organic matter depletion, greenhouse gas emissions, irrigational water scarcity, and water pollution, consequently affecting, agricultural productivity, system sustainability, and environmental quality. An improved understanding of biochemical pathways of soil organic matter and nutrient cycling, microbial community involved in regulating soil health, and soil processes associated with water flow and retention in soil profile will help in designing better agricultural systems and ultimately support plant growth and productivity. Agroecological approaches in soil and water management can provide, multiple ecosystem services, including carbon sequestration, nutrient and water cycling, greenhouse gas mitigation, and ultimately create a sustainable agro-environment. This Special Issue will present a collection of original research and review papers, which study the physical, chemical, and biological processes that occur in soils under diverse agroecosystems and management practices to improve soil health and water conservation.





an Open Access Journal by MDPI

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

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. The journal publishes original research articles, reviews, conference proceedings (peer-reviewed full 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.

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](#), [Inspec](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and many [other databases](#).

Journal Rank: [JCR](#) - Q2 (*Environmental Sciences*) / [CiteScore](#) - Q1 (*Geography, Planning and Development*)

Contact Us

Sustainability
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

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