



Soil Health Management for Ecological Sustainability in Agricultural Systems

Guest Editor:

Dr. Arnab Bhowmik

Department of Natural Resources
and Environmental Design, North
Carolina A&T State University,
Greensboro, NC 27411, USA

Deadline for manuscript
submissions:

closed (1 December 2021)

Message from the Guest Editor

Dear Colleagues,

Soil health is an integrative concept defined as the continued capacity of soil to function as a vital living ecosystem that sustains plants, animals, human and the environment. Sustainable agricultural ecosystems have the potential to provide ecological and environmental services that promote soil conservation, reduce greenhouse gas emissions and improve soil health. This approach is targeted towards minimal use of off-farm inputs with management practices that restore, maintain and enhance ecological harmony. Soil health management practices typically integrate the use of crop rotations, reduced tillage, cover crops and animal wastes to enhance soil fertility by fostering soil health and mitigating greenhouse gas emissions.

This Special Issue intends to cover the state-of-the-art and recent progress in different aspects related to how specific soil health management practices like tillage intensity, amendment type and livestock integration impacts ecosystem services, specially carbon and nitrogen cycling....

Dr. Arnab Bhowmik

Guest Editor



mdpi.com/si/39183

Special Issue



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. *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.

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

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (*Geography, Planning and Development*)

Contact Us

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

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)