Special Issue

Environmental Quality of Agroecosystems: Characterisation, Monitoring and Remediation of Environmental Matrices Applying Nature-Based Solutions

Message from the Guest Editors

The term agroecosystem refers to a natural system modified by man for agricultural production for economic purposes, characterised by a particular combination of abiotic factors (such as the soil and its properties, climate and hydrology) and biotic factors (such as the biocenosis, consisting of a set of organisms that play different roles in food webs).

In this Special Issue, we want to address some issues that could change the way agroecosystems are managed, making human activities less impactful.

Monitoring of agro-ecosystems;

Sustainable strategies of remediation and management; Understanding the fate and behaviour of pollutants in agro-ecosystems;

Plant protection products detection;

Recovery of nutrients, such as nitrogen, phosphorus and potassium;

Material recovery and reuse, i.e., biochair;

Efficiency of the systems of cultivation in regard to the use of natural resources;

Interventions to safeguard biodiversity as various nature based agricultural solutions;

The mitigation role of protected areas to improve the quality of agro-ecosystems; etc.

Guest Editors

Dr. Carmine Massarelli

Environment and Territory Research Unit, Construction Technologies Institute (CNR-ITC), Via Paolo Lembo, 38/B, 70124 Bari, Italy

Dr. Claudia Campanale

Istituto Superiore di Sanità (ISS), 00161 Roma, Italy



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/139080

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

mdpi.com/journal/ sustainability





Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



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. 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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

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, CAPlus / SciFinder, and other databases.

Journal Rank:

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

