Special Issue

Sustainable Irrigation System and Wastewater Engineering

Message from the Guest Editor

The sustainability of irrigation practices can improve with the use of advanced irrigation techniques in order to obtain satisfactory yields and be economically cost-effective. Furthermore, the use of treated wastewater for irrigation can play an important role in water resource management and increase the environmental and economic sustainability of the entire production process.

For the success of wastewater reuse, treatment processes with low environmental impacts, reduced energy consumption and few unwanted/harmful byproducts must be adopted.

The main topics include, but are not limited to:

- Non-conventional water resources for agricultural production;
- New techniques and nature-based solutions for wastewater treatment and reuse;
- Innovative and sustainable irrigation methods, systems and practices for non-conventional water use;
- Water saving irrigation techniques;
- Safety, socio-economics and regulatory aspects of agricultural wastewater reuse;
- Nutrient and fertilizer management in wastewater irrigation;
- Effects of wastewater reuse on soil, plants and environment;
- Wastewater use management at the farm and regional scale.

Guest Editor

Dr. Mirco Milani

Department of Agriculture, Food and Environment, University of Catania, Via S. Sofia 100, 95123 Catania, Italy

Deadline for manuscript submissions

closed (30 June 2021)



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/34101

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)

