

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 by-products 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

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
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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.

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

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