



Solutions for Improving the Environmental Sustainability of Greenhouses

Guest Editor:

Prof. Alessandro D'Emilio

Department of Agriculture, Food
and Environment, University of
Catania, Catania, Italy

Deadline for manuscript
submissions:

closed (31 October 2021)

Message from the Guest Editor

Dear Colleagues,

Pollution due to the use of pesticides and chemical fertilizers, the consumption of water, the extensive use of plastic materials for soil mulching and greenhouse covering, the use of energy for activating plants are among the most relevant issues. Other challenges on a territorial scale characterize those areas specifically suited to greenhouse crops, such as excessive land use and visual pollution, which contribute to territory and landscape degradation. Therefore, it is necessary to find new materials, management techniques for plants and equipment, and cultivation and pest-control techniques to reduce the environmental impact of greenhouses.

This Special Issue will collect studies concerning solutions for improving environmental sustainability of greenhouses. Typical contributions deal with the reduction of pollutants in soil, water, air, and of residual chemicals in products, use of innovative materials with low environmental impact, sustainable use of resources, use and/or production of renewable sources of energy, optimization of land use, and protection of the landscape.

Prof. Alessandro D'Emilio

Guest Editor





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, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/sustainability
sustainability@mdpi.com
X@Sus_MDPI