sustainability

an Open Access Journal by MDPI

IMPACT FACTOR 3.3

CITESCORE 6.8

Sustainable Irrigation Strategies for Improving Crop Water Productivity

Guest Editor:

Dr. Koffi Djaman
Department of Plant and Environmental Science, New Mexico State University, Las Cruces, NM 88003, USA

Deadline for manuscript submissions:
closed (31 July 2021)

Message from the Guest Editor

The world's population is growing with an increasing demand for food and fiber. However, freshwater resources for agriculture are decreasing due to climate change, with more pronounced extreme events like floods and drought. Improper irrigation management may also cause agricultural land salinization, jeopardizing crop production mostly in some coastal river deltas. For sustainable irrigated agriculture, it is necessary to produce more food and fiber with the unit quantity of water to be able to meet food and fiber demands through precision irrigation strategies, soil moisture sensor-based irrigation scheduling, crop choice to meet the available water. This Special Issue calls for contributions, but not limited to, the following topics: irrigation strategies for improving crop water productivity while minimizing negative impact on the environment, irrigation water management and modeling, crop evapotranspiration measurement and estimation/modeling, advanced irrigation technologies for improving irrigation water use efficiency, precision irrigation, variable rate irrigation.

sustainability

IMPACT FACTOR 3.3

CITESCORE 6.8

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