

## Special Issue

# Sustainable Management in Agricultural Irrigated Systems

### Message from the Guest Editor

Agriculture is facing multiple crucial challenges. In order to feed the growing world population, which could reach more than nine billion by 2050, it will be necessary to double the production of crops. This, in turn, is driving agricultural expansion and intensification. However, there is a growing focus on the sustainability of the agricultural production system, especially in arid and semi-arid regions, where irrigation is required for competitive and profitable agriculture. The increase in irrigation water demand, the effects of climate change (that will decrease the availability of water for agriculture) and the growing concern about the negative impacts on the environment induced by irrigation (water bodies pollution, overexploitation of aquifers, farmland salinization, etc.) are calling for more effective and efficient use of irrigation water and other agricultural inputs, such as nutrients and pesticides.

### Guest Editor

Dr. Farida Dechmi

Department of Soil and Irrigation (EEAD-CSIC associated unit). Agrifood Research and Technology Centre of Aragon (CITA). Avda. Montañana 930, 50059, Zaragoza, Spain

### Deadline for manuscript submissions

closed (31 August 2021)



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/55339](https://mdpi.com/si/55339)

*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

[mdpi.com/journal/  
sustainability](https://mdpi.com/journal/sustainability)





## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/journal/  
sustainability](https://mdpi.com/journal/sustainability)



## 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. *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

---

### 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, CAPIus / SciFinder, and other databases.

#### Journal Rank:

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