sustainability

IMPACT FACTOR 3.3

CITESCORE 6.8

an Open Access Journal by MDPI

# Advanced Hydrological Modeling in Agricultural Engineering

Guest Editor:

**Dr. Young Gu Her**
Agricultural and Biological Engineering Department, University of Florida, Homestead, Florida (33031), USA

Deadline for manuscript submissions:
**closed (30 September 2021)**

## Message from the Guest Editor

Hydrological modeling is now an essential tool for improved decision making in agricultural engineering. As agricultural water issues have got more complicated with increases in water demands and expected changes in land use and climate, more sophisticated hydrological modeling approaches are required, hydrological modeling is also expected to be more demanding and useful in agricultural water resource management and planning. This Special Issue invites studies advancing hydrological modeling with new concepts, aspects, approaches, methods, and techniques for increased ability to manage agricultural water resources under a changing environment. The research interests include, but are not limited to the development and application of new simulation models and approaches, improvement of existing models and methods, applications of new remotely sensed data and computational techniques to hydrological modeling, and new strategies to incorporate and consider land use and climate changes in hydrological modeling. This Special Issue is expected to provide an overview of the latest advancements in the agricultural application of hydrological simulation methods.

# sustainability

an Open Access Journal by MDPI

IMPACT FACTOR 3.3

CITESCORE 6.8

## 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