sustainability

IMPACT FACTOR 3.3

CITESCORE 7.7

an Open Access Journal by MDPI

Machine Intelligence for Sustainable Precision Farming

Guest Editors:

Prof. Dr. Simon van Mourik

Dr. Haris Ahmad Khan

Prof. Dr. Tamas Keviczky

Dr. Duarte José Antunes

Deadline for manuscript submissions:
closed (31 July 2021)

Message from the Guest Editors

Dear Colleagues,

Precision Farming (PF) is a concept for precisely managing inputs and actions via precision technology. In modern farming, precision management is becoming increasingly supported by machines that are operated via machine intelligence. Machine intelligence plays a crucial role in the development of economically and ecologically sustainable farming.

This Special Issue focuses on machine intelligence that forms the connection between sensing and actuation in Precision Farming. The scope includes the following aspects:

- Mathematical and statistical methods for observation, prediction, and control under uncertainty and disturbances, such as adaptive modelling, state identification/recognition, machine learning, control engineering, and data assimilation.
- Improvement of sustainability with respect to animal health, economics, ecology, and resource efficiency.
- (Possible) application to a farming system—this may be any system designed for primary food production.

Prof. Dr. Simon van Mourik
Dr. Haris Ahmad Khan
Prof. Dr. Tamás Keviczky
Guest Editors

mdpi.com/si/49825

Special Issue

sustainability

IMPACT FACTOR 3.3

CITESCORE 7.7

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, 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