Data Science to Support Agricultural Diversification

Guest Editors:

Dr. Ebrahim Jahanshiri
Crops For the Future (CFF) UK CIC, National Institute of Agricultural Botany(NIAB), 93 Lawrence Weaver Road, Cambridge CB3 0LG, UK

Prof. Dr. Sayed Azam-Ali
Crops For the Future (CFF) UK CIC, National Institute of Agricultural Botany (NIAB), 93 Lawrence Weaver Road, Cambridge CB3 0LG, UK

Deadline for manuscript submissions:
closed (25 April 2023)

Message from the Guest Editors

Dear Colleagues,

Modelling routines are shaping a new discipline in agricultural sciences. Data science techniques, such as data and knowledge mining, databasing, modelling and simulations, are now being adapted to construct large datasets that can help with the development of locally relevant insights. In this Special Issue, we aim to collate research on using all aspects of data science that are relevant to the development of datasets, databases, crop simulation models and algorithms that can further enable decision making for growers and other stakeholders that are interested in the science of agricultural diversification. We particularly welcome efforts that are aimed at advancing the following aspects that are not well developed in relation to

- Dataset development, data and knowledge acquisition techniques, database development and open data initiative
- New models and algorithms that take advantage of big data and machine learning for the benefit of agriculture
- Cases studies that utilise old datasets and models in a new way to further strengthen their impacts.

mdpi.com/si/143932

Special Issue

Editor-in-Chief

Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, RePEc, and other databases.
Journal Rank: JCR - Q1 (*Agronomy*) / CiteScore - Q2 (*Plant Science*)

Contact Us