



Optimization of Resource Use for Productivity, Efficiency, and Sustainability in Agriculture

Guest Editors:

**Dr. Vítor João Pereira
Domingues Martinho**

Agricultural School (ESAV) and
CERNAS-IPV Research Centre,
Polytechnic Institute of Viseu
(IPV), 3504-510 Viseu, Portugal

Prof. Dr. Paulo Reis Mourão

Department of Economics,
University of Minho, Braga,
Portugal

Prof. Dr. Nikolaos Georgantzis

Burgundy School of Business
Dijon, School of Wine and Spirits
Business, Dijon, France

Deadline for manuscript
submissions:

closed (20 November 2022)

Message from the Guest Editors

This Special Issue aims to provide new insights about the efficient use of resources on farms for more sustainable and integrated agriculture.

- Development of models for efficient use of resources, based, specifically, on DEA (data envelopment analysis), SFA (stochastic frontier analysis), and linear and mixed programming approaches;
- Identification of innovative and sustainable methodologies for farm planning;
- New contributions on agricultural entrepreneurship;
- New approaches to address the impacts of climate change on agriculture and reduce the sector's ecological footprint;
- Analysis of agricultural policies on the competitiveness of farms;
- Innovative ways to link agriculture with other economic sectors;
- Strategies to improve the participation of farmers in agri-food chains, namely, to bring them closer to final consumers;
- Decision support systems for agriculture;
- Socioeconomic aspects of innovative farming processes and protocol adoption;
- Integrated pesticide management and pesticide reduction strategies;
- Farming cooperatives and farm networks.





an Open Access Journal by MDPI

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

Agriculture Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/agriculture
agriculture@mdpi.com
[X@AgricultureMdpi](https://twitter.com/AgricultureMdpi)