



Efficient Utilization of Farmland Resources in Arid and Semi-arid Regions

Guest Editors:

Prof. Dr. Xiaohong Tian

Prof. Dr. Rui Yin

Prof. Dr. Lichao Fan

Dr. Xuechen Zhang

Dr. Xiangtian Meng

Deadline for manuscript
submissions:

25 May 2024

Message from the Guest Editors

The world's agricultural land area is ca. 5 billion hectares, accounting for 38% of the world's land area. Nearly 80 % of this arable land is located in arid and semi-arid regions, which contribute 60% to world food production. In the context of climate change and increased natural disasters, agriculture in these regions is facing major challenges such as the depletion of natural resources, water scarcity, frequent droughts and agroecosystem degradation.

Therefore, improving the efficient utilization of farmland resources in arid and semi-arid regions has become an urgent priority to ensure the world's food supply and security. Additionally, plans and strategies for sustainable agricultural management practices (such as straw mulching, no tillage, intercropping rotation, the efficient utilization of water and fertilizer, the application of green manure and organic fertilizers, etc.) need to be vigorously promoted.





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)