



Saline–Alkali Land Ecology and Soil Management

Guest Editors:

Prof. Dr. Yanchao Bai

College of Environmental Science
and Engineering, Yangzhou
University, Yangzhou 225127,
China

Dr. Chuanhui Gu

Environmental Research Center,
Duke Kunshan University,
Kunshan 215316, China

Prof. Dr. Haiying Lu

College of Biology and the
Environment, Nanjing Forestry
University, Nanjing 210042, China

Deadline for manuscript
submissions:

30 November 2024

Message from the Guest Editors

Dear Colleagues,

Saline–alkali lands are valuable resources. Such soils are high in salinity and low in fertility, as indicated by the poor structure, extremely low organic matter content, low nutrient level, and lack of microbial diversity, making them unsuitable for cultivation. The keys to restoring saline–alkali soil to arable land are (1) reducing salinity and (2) increasing the soil organic matter content and, thus, soil fertility. The former determines whether the reclaimed saline–alkali soil can be used for crop production and the latter determines whether the crop production is sustainable.

This Special Issue will strive to identify and answer questions around how we can optimize saline–alkali land ecology and soil management toward crop advancement.

We welcome cutting-edge research focusing on saline–alkali land ecology, and the management, amendment, aggregates, and crop advancement of saline–alkali soils.

Review articles and technology reports are welcome.





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 - Q1 (Plant Science)

Contact Us

Agriculture Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/agriculture
agriculture@mdpi.com
X@AgricultureMdpi