



Nutrient Cycling in Agro-Ecosystems

Guest Editors:

Prof. Dr. Jianlin Shen

Prof. Dr. Zhaohai Bai

Dr. Ji Liu

Deadline for manuscript
submissions:
closed (25 August 2023)

Message from the Guest Editors

Dear Colleagues,

Biogenic elements such as carbon, nitrogen, and phosphorus are important for the growth of crops and animals, and hence are the keys for modern agricultural production. These elements can be input into agroecosystems as fertilizers and feeds and may enter into the wider environment as gases or ions, after a series of biogeochemical processes. Thus, it is important to explore the processes of nutrient cycling and their influencing factors in the agroecosystems, so as to the underline effects on environment protection, on soil health, and on crop yield and quality. In addition, better nutrient management practices are urgently needed to reduce pollution while improving use efficiencies.

This Special Issue will mainly focus on carbon, nitrogen, and phosphorus cycling in crop and livestock production systems. The major topics include: 1) carbon sequestration, greenhouse gas emissions, and mitigation; 2) non-point source pollution and control; and 3) nutrient cycling and soil health. Manuscripts related to new methods, new mechanisms, and novel measures for understanding the processes of nutrient cycling and eliminating environmental pollution 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