

Special Issue

Crop Fertilization and Soil Nutrient Cycling in Farming System

Message from the Guest Editor

Crop fertilization and soil nutrient cycling in agriculture have always been at the center of agronomic research, mainly focusing on maintaining soil fertility and increasing the productivity of crop rotations in intensively managed fields. Several indicators have been successfully applied in evaluating the efficiency of nutrient cycling and balanced fertilization. However, we are still far from understanding the processes underlying effective site-specific nutrient cycling. Better nutrient management planning under the 4R concept, enhanced efficiency fertilizers, and agricultural practices for effective regulation of nutrient transformation demonstrate complex trade-offs between nutrient cycling and the other ecosystem services that soils are expected to provide. We invite you to contribute to this Special issue by submitting research articles, reviews, or meta-analyses on nutrient cycles and optimal fertilization as a function of biophysical factors, landscape attributes, and farm management.

Guest Editor

Prof. Dr. Vladimir A. Romanenkov

Faculty of Soil Science, Lomonosov Moscow State University, 119991 Moscow, Russia

Deadline for manuscript submissions

closed (10 April 2022)



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



mdpi.com/si/97939

Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)





Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)



About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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

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)