

Special Issue

Nutrient Cycling in Agro-Ecosystems

Message from the Guest Editors

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.

Guest Editors

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Deadline for manuscript submissions

closed (25 August 2023)



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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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