Special Issue

Optimize Nutrient Cycling to Improve Soil Fertility and Plant Productivity

Message from the Guest Editors

Horticultural crops, whether vegetable crops, fruit trees, or medicinal and ornamental plants, need large amounts of available soil nutrients to ensure that their nutritional needs are met. However, the excessive input of nutrients and an unbalanced nutrient ratio not only make it difficult for plant roots to absorb the necessary nutrients for healthy growth and optimal yield but also result in a decline in soil quality and environmental pollution within the farmland ecosystem. To enhance plant productivity and sustainability through optimizing nutrient cycling in the soil–plant system, various measures such as deep ploughing, crop rotation, straw return, green manure mulching, biostimulants, high-efficiency fertilizer products, and agronomic practices have been tailored to all-around scenario-oriented (soil-specific, crop-oriented, and climate-sensitive) requirements. The mechanism process of nutrient cycling in various scenarios has also been explored to serve sustainable innovative development ideas and demonstration applications.

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Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

Editor-in-Chief

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