Special Issue

Integrated Nitrogen Management for Improved Use Efficiency in Agroecosystems

Message from the Guest Editors

Nitrogen fertilizer management remains a challenge due to spatial and temporal variability, which presents numerous loss pathways. Agroecosystems with high fertilizer nitrogen requirements necessitate the use of innovative and sustainable management strategies to mitigate contamination from reactive nitrogen in both above-ground and below-ground environments. Using management approaches independently seems to have minimal benefits in improving low use efficiency compared to an integrated strategy. The goal of this Special Issue is to collect innovative and integrated research on the management of nitrogen fertilizers in different agroecosystems. We encourage research conducted in field plots, on-farm experiments, and greenhouses and review papers that addresses, soil qualities, integrated soil management, cropping systems, fertilizer technologies, soil amendments, and climate change, among other topics. Research topics that combine more than one strategy are preferred. We strongly encourage the submission of review papers and original research covering a wide range of geographical scales, including regional, national, and global levels.

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