



Crop Fertilization and Soil Nutrient Cycling in Farming System

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Message from the Guest Editor

Dear Colleagues,

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.

Prof. Dr. Vladimir A. Romanenkov
Guest Editor





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Message from the Editor-in-Chief

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