



Managing Nitrogen for Agricultural Productivity and Environmental Quality

Guest Editor:

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Message from the Guest Editor

Dear colleagues,

Meeting the twin goals of optimizing crop production and minimizing environmental losses of reactive nitrogen (N) will continue to be a critical issue affecting sustainable development at local to global scales. There is a need for more economically feasible and efficient solutions. Innovative practices need to be considered across a range of categories including but not limited to development of new microbial inhibitor formulations, use of creative cropping strategies that incorporate perennial and/or legume cover crops, improved germplasm, and application of novel sensing and other technologies. Use of more efficient practices will also be promoted by improved fundamental understanding of N transformation process, and better ability to model and predict those processes.

This Special Issue will focus on "Managing Nitrogen for Agricultural Productivity and Environmental Quality". We welcome novel research, reviews and opinion pieces covering all related topics and disciplines ranging from the biological to chemical, physical and social, and perspectives that integrate across those disciplines.

Dr. Rodney Venterea

Guest Editor





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Message from the Editor-in-Chief

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