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Denitrification in Agricultural Soils II

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Deadline for manuscript
submissions:

closed (20 December 2021)

Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue of *Applied Sciences* is to publish papers that outline the state-of-the-art of the role of denitrification in agricultural soils. This Special Issue will cover topics of both measuring and modeling denitrification rates. Emphasis will be placed on scaling up from micro and meso scales to plot and landscape perspectives. Advances in modeling denitrification in upland, lowland, freshwater, and salinized agricultural environments will be addressed. The aim of this Special Issue is to focus on new challenges linked to denitrification in agricultural soils, such as greenhouse gas emissions; anammox, DNRA, and denitrification roles in the terrestrial nitrogen cycle; incomplete denitrification effects on surface and ground waters; and best practices to boost field denitrification rates. Priority will be given to papers using a combination of agronomic, ecological, hydrogeological, and geochemical data and to their conjunctive use to monitor, assess, and quantify relevant processes in agricultural systems.

Prof. Dr. Micòl Mastrocicco

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Guest Editors



mdpi.com/si/59593



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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