

## Special Issue

# Agriculture Land Use and Its Effect on Nitrogen Contamination of Surface Water and Groundwater

### Message from the Guest Editor

Agriculture uses 70 percent of the world's water, and nitrates from agriculture are a major source of groundwater contamination worldwide. It has been 30 years since the European Nitrate Initiative was established, and little progress has been made in many places in Europe toward lowering the concentration of nitrates. China is the largest user of nitrogen fertilizer in the world, and 60 percent of their groundwater is polluted. Groundwater nitrate pollution in the U.S. caused by agriculture has been reported in the literature since the 1970s. Many programs have been developed for farmers to implement best management practices (BMPs). There is still a need to measure the effectiveness of some BMPs, and more implementation are needed for agriculture land in some areas. For this Special Issue, entitled "Agriculture Land Use and Its Effect on Nitrogen Contamination of Surface Water and Groundwater", we are looking for case studies, long-term monitoring studies, the adoption of new technology, regulatory policies and the development of sustainable land use practices in order to solve this worldwide and contribute new information to the literature.

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### Guest Editor

Prof. Dr. William Frederick Ritter  
Center for Energy and Environmental Policy, University of Delaware,  
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### Deadline for manuscript submissions

closed (31 March 2023)



## Water

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### Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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### Editor-in-Chief

Dr. Jean-Luc PROBST

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