Special Issue

Nitrates Pollution in Water: Sources, Pathways and Receptors

Message from the Guest Editors

Groundwater contamination by nitrate is a widespread problem all over the world. Aquifer pollution causes public health problems and environmental degradation of ecosystems. All these negative effects can be minimized with an integrated groundwater management and a good governance to mitigate the risks of nitrate contamination. In order to ensure sustainable use and protection of groundwater aquifers, water resources specialists and decision makers need information on the scope, distribution, and severity of aquifer nitrate contamination. In compliance with these requirements, the contributors of this Special Issue are invited to submit papers focusing on the presentation of models and applications following the concept of "pressure–pathway–receptor", whereby the information on point and nonpoint sources of water pollution is combined with aquifer vulnerability parameters (depth of water table, recharge, aquifer material, soil type, topography, and hydraulic conductivity, among others) and eventually with biogeochemical models, to explain nutrient yields arriving at the receptor (groundwater).

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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.

Editor-in-Chief

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