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Land Use and Water Quality

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Message from the Guest Editors

Agriculture provides food, fibre, energy, and, last but not least, a living for many people around the world. One potential drawback of agricultural production is pollution of the aquatic environment by nutrients, pesticides, and trace elements. Growth in agricultural production, as has occurred in Europe and North America since the 1950s and more recently in many other parts of the world, threatens the quality of groundwater and surface waters or has already led to deterioration of the quality of these waters. Typical hotspot areas with problems can be found in Denmark, the Netherlands, northern Italy, Germany, France, China, the United States, and New Zealand.

Is the twin aim of increasing agricultural production and at the same time improving water quality a realistic one? Which measures are most effective for water quality improvement and at the same time the most cost-effective? Should measures be enforced by law or implemented on a voluntary basis? These are some of the issues that should be addressed in this Special Issue from the Land Use and Water Quality (LUWQ) conference series, of which LUWQ2019 was held at Aarhus University from 3 to 6 June 2019.

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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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