Special Issue

Nutrient and Carbon Export under Global Warming and Land Use Change

Message from the Guest Editors

The excessive export of nutrients (nitrogen, phosphorus) and carbon (organic and inorganic forms) from watersheds to surface water bodies is a worldwide concern; it can cause algal blooms, hypoxia, and "dead" zones for fish, and may pose a risk to human health if drinking water is contaminated. The quantification of nutrient and carbon export is challenging, which requires the characterization of the hydrologic pathways and associated complex biogeochemical processes. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Investigation of nutrient and carbon export at various temporal scales;
- Nutrient and carbon export modeling on a field or catchment scale;
- Calibration and uncertainty analysis on catchment modeling;
- Assessment of nutrient and carbon transport and transformation under climate change and land-use scenarios;
- Other topics related to nutrient and carbon export.

Guest Editors

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Deadline for manuscript submissions

closed (15 February 2024)



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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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