# 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

Dr. Sanyuan Jiang

Dr. Hui Xie

Dr. Dong Liu

## Deadline for manuscript submissions

closed (15 February 2024)

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## Editor-in-Chief

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