

Tradeoffs among Food Production, Forests, and Water Resources in Tropical Agricultural Frontiers

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Message from the Guest Editors

Rapid deforestation and agricultural expansion has had significant impacts on the hydrologic cycle and associated eco-systems. These effects can be viewed from the perspective of water users, as well as local producers or distant consumers of agricultural exports. This Special Issue focuses on changes in the hydrological cycle due to land cover and land use change for tropical agriculture, as observed across multiple scales—whether from farm to river basin, or from production to consumption centers across international boundaries.

We welcome submissions that explore biophysical changes to the water cycle described through field measurements or hydrologic modeling, but also invite research focused on impact assessment of water use for products through production system modeling. Topics include (but are not limited to):

- Empirical studies (e.g., paired catchments)
- River basin, biome or continental scale hydrologic modeling
- Implications for water availability across scales (e.g., up- or downstream, inside or outside of the basin or biome)
- Production and consumption center effects on hydrology through (e.g., life cycle assessments, water footprint, water productivity)



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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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