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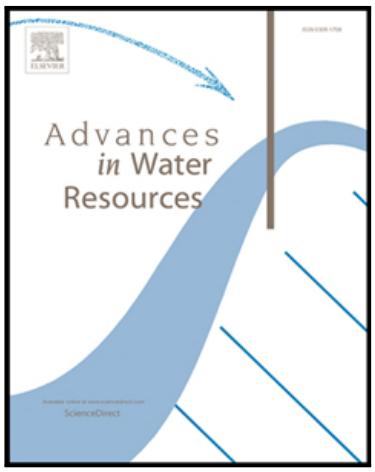


# Partitioning Uncertainty in Streamflow Projections under Nonstationary Model Conditions

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**Highlights**

- Effect of model stationarity assumption on streamflow simulation is examined.
- Approach to obtain nonstationary hydrologic model parameters is presented
- Contribution of (i) GCMs, (ii) emission scenarios, (iii) land use, (iv) assumption of hydrologic model parameters to be stationary or nonstationary, and (v) and internal variability of the system to uncertainty in the streamflow is quantified.
- GCMs and assumption of nonstationary and stationary model parameters are observed to be the primary source of uncertainty.
- Streamflow is observed to be sensitive towards the subtle changes in the land use.

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