

## Special Issue

# Drought and Water Quality Dynamics: From River Basins to Sustainable Management

### Message from the Guest Editors

Climate change accelerates droughts, now chronic threats to freshwater sustainability, ecosystems, and societies. Beyond water quantity, droughts disrupt hydrology, soil health, agriculture, and water quality—reducing flows, triggering erosion, intensifying agrochemical pollution, concentrating contaminants, and degrading ecosystems.

This Special Issue explores drought-land use-water quality linkages across scales. We seek interdisciplinary research on: climate-driven drought impacts on hydrology/nutrient cycling; water quality degradation from runoff/salinization; drought-induced feedbacks between land degradation, crop failure, and pollution; innovative monitoring/modeling; adaptive management for drought-prone areas; basin/watershed resilience case studies.

Integrating biophysical, socio-economic, and governance dimensions, contributions will illuminate resilient water/land management pathways in a drought-transformed world.

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### Guest Editors

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