Dear Colleagues,

Drylands are fragile environments and, therefore, highly susceptible to environmental changes. They cover nearly 50% of the world’s land surface and are increasingly being reclaimed by a growing population for food production and urbanization. This makes water resources management in drylands an extremely important issue. The unplanned water resources development may result in aquifer depletion, soil and/or water salinization, loss of water through evapotranspiration due to inadequate irrigation systems, and land degradation (e.g., soil erosion, soil crusting, and sand encroachment).

This Special Issue on “Water Resources Assessment and Management in Drylands” is intended to provide a collection of articles addressing various aspects of dryland hydrology. Articles about recent scientific discoveries in hydrology/hydrogeology, new emerging technologies and their use in water resources exploration, development, and management are very welcome.

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Dr. Thomas M. Missimer
Guest Editors

Special Issue Keywords:
- Managed aquifer recharge
- Impacts of climate change
- Water supply growth management
- New agriculture methods
- Assessment of groundwater potential
- Monitoring water resources development
- Remote sensing of water resources

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