hydrology

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GIS Modelling of Evapotranspiration with Remote Sensing

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Deadline for manuscript submissions:
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Message from the Guest Editors

Evapotranspiration (ET) can be estimated from the complex surface energy balance equations. This process plays a decisive role in various water resource management activities, including the required irrigation water, vegetation–atmosphere interactions, and terrestrial ecosystem productivity over a range of spatial and temporal domains. However, the reliable estimation of ET, characterized by complex vegetation–atmosphere interactions, is limited by scarce data availability and a lack of expertise in conceptualizing the real field scenario.

This Special Issue provides an opportunity for budding researchers to publish their research outcomes related to remote sensing applications in evapotranspiration mapping. This Special Issue invites research articles including but not limited to:

- Catchment-scale Evapotranspiration monitoring
- MODIS ET product for vegetation monitoring
- GIS-based crop planning
- Remote sensing-based hydrological water balance assessment
- Spatiotemporal vegetation health monitoring
- Evapotranspiration modeling under scarce data availability scenario
- Modeling evapotranspiration with soil moisture estimates

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