

## Special Issue

# Groundwater Recharge and Sustainable Use of Groundwater

### Message from the Guest Editors

Groundwater recharge represents the replenishment of the saturated zone of aquifers and it is one of the most important hydrological parameters to manage and protect water resources from over-exploitation and to estimate fluxes of fluids, solutes, and contaminants from the surface to groundwater. Groundwater recharge, along with evapotranspiration, represents the connection between the atmosphere and the groundwater system and relates the climate, vegetation, land use, and subsurface characteristics for a given area. In this Special Issue, we would like to collect the most recent research progresses on this topic, including the use of innovative methods (tracers-, physical-, empirical-, and model-based), data (field data and remote sensing), and case studies from areas of the world with different climate, land use and type, and surface and subsurface characteristics. Moreover, we would like to broaden the horizon to also include studies that link recharge to the other water budget components, such as evapotranspiration and runoff, with a focus on groundwater resource quantification and its sustainable use.

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### Guest Editors

Prof. Dr. Ferdinando Manna  
Prof. Dr. Vincenzo Allocca  
Prof. Dr. Pantaleone De Vita

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### Deadline for manuscript submissions

closed (15 December 2022)



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## Editor-in-Chief

Prof. Dr. Steve W. Lyon

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