Special Issue

GRACE Observations for Global Groundwater Storage Analysis

Message from the Guest Editors

The Gravity Recovery and Climate Experiment (GRACE) mission was launched by the National Aeronautics and Space Administration (NASA) in 2002 and continued with the GRACE – Follow On (GRACE-FO) mission in 2018, which is ongoing. The GRACE mission uses a pair of satellites to measure changes in the Earth's gravitational field that are caused by changes in water storage. These water storage anomalies can be combined with other datasets to derive estimates in groundwater storage changes. GRACE data offer a unique opportunity to perform groundwater storage analysis to assess regional groundwater sustainability and to study the impacts of climate change. GRACE data can have a high degree of uncertainty due to "leakage" and other issues arising from the coarse resolution of the raw GRACE data. The aim of this Special Issue is to highlight unique and creative applications of GRACE data to address research questions related to global groundwater storage, including the impact of climate change and to provide a venue to characterize case studies and describe groundwater use, management, and planning for specific regions.

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Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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