

Special Issue

Remote Sensing in Hydrogeology; New Sensors, Applications, and Combined Methods

Message from the Guest Editors

As traditional sources of surface water and shallow subsurface waters continue to be over-exploited and contaminated, climate change is altering weather patterns around the world, making water availability less predictable. It is now inescapable that new approaches are needed to supply water for drinking, sanitation, hygiene, agriculture, and industry. Understanding shifts in the water balance, including groundwater occurrence, movement, recharge, exploitation, depletion, and contamination on a large scale, and especially in understudied regions and developing countries, is not just an intractable problem but its solution is critical for survival. To solve this urgent dilemma, we call on researchers from around the world to contribute to this Special Issue by presenting new data, new ideas, and new ways to approach this problem. Suggested topics include (but are not limited to) combining data from separate missions (e.g., GRACE and/or GRACE-FO, SAR and InSAR, LiDAR, LANDSAT, MODIS, Sentinel-1 and -2, IRS-LISS 3, SRTM, TRMM, GPM, GOES, POES, EOS, CALIPSO, CloudSat, SMOS, AMSR, ASCAT) with geophysical, GIS, geochemical, ground-based hydrogeological data.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

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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