

Special Issue

Synergy of GIS and Remote Sensing in Civil Engineering

Message from the Guest Editors

The incessant growth of cities, the degradation of natural capital, the loss of ecosystem services, climate change, and the greater occurrence of natural disasters emerge among nowadays' focal threats. The analysis of the urban growth pattern, especially that of civil constructions, is a continuous process that involves scientists, resource managers, and planners. In this sense, the mapping and monitoring of the spatial and temporal dynamics of civil constructions and the change in land use using remote sensing techniques and GIS are key. In this way, remote sensing technologies together with GIS can contribute significantly to paving the way towards better knowledge-based, cost-effective, accurate, and efficient decision-making in civil engineering that benefits climate change adaptation and mitigation. These are the key vectors that motivate this Special Issue, which welcomes state-of-the-art research articles and review articles dealing with the synergies of GIS and remote sensing applied to civil engineering studies.

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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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