Special Issue

Land Surface Temperature Estimation Using Remote Sensing

Message from the Guest Editor

Land surface temperature (LST) is a basic determinant of the terrestrial thermal behavior which controls the effective radiating temperature of the Earth's surface. It is an important aspect of climate and biology with a major influence on hydrology, meteorology, and climatology. Over the years, applications of LST have expanded beyond its traditional use as a climate change indicator. It is an important indicator of the redistribution of energy at the land–atmosphere interface, plant water stress, monitoring of drought, land cover/land use change, urban heat island effects, heat stress, epidemiological studies, and so on. Additionally, the retrieval methods have expanded beyond the conventional thermal infrared and microwave with the launch of new generation of hyperspectral sensors such as Infrared atmospheric sounding interferometer (IASI) and cross-track infrared sounder (CrIS).

Guest Editor

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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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