

## Special Issue

# Geostatistics and Spatial Data Mining for Ecological Climatology

### Message from the Guest Editors

Scientists practicing ecological climatology now recognize that the patterns and processes of plant communities and ecosystems not only respond to weather, climate, and atmospheric compositions, but also feedback through a variety of physical, chemical, and biological processes to influence the atmosphere. The geoscientific understanding of planet Earth has given way to a new paradigm of biogeosciences. Geostatistical techniques have enabled geoscientists to commonly include spatial support and the principled handling of different spatial concepts. With the emergence of the era of big data science, data availability from remote sensing platforms has been preferred over model-based approaches to handle big datasets. This drive toward data-oriented approaches, including spatial data mining and machine learning, has undoubtedly brought tremendous innovation in the field of ecological climatology as well. The articles can related to, among others, climate change, global warming, ecosystem degradation, physiological response, ecosystem resilience, ecosystem services, lidar remote sensing, spatial data mining, machine learning, and big data analytics.

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### Guest Editors

Dr. Mukunda Dev Behera

Prof. Dr. Jeganathan Chockalingam

Prof. Dr. Peter M. Atkinson

Dr. Shrutilipi Bhattacharjee

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### Deadline for manuscript submissions

closed (19 January 2024)



## Remote Sensing

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CiteScore 8.6



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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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### Editor-in-Chief

Dr. Prasad S. Thenkabail

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