

## Special Issue

# Computer Vision and Machine Learning for Remote Sensing Solutions Applied to Environmental Challenges

### Message from the Guest Editors

The environmental problems such as climate change, wildfires, soil and water pollution, geohazards, biodiversity loss, land degradation, and desertification are becoming increasingly frequent and more extreme. This means we need to take measures to tackle the above challenges mitigating their effects in an operationally, time and power cost efficient manner, using Computer Vision and Machine Learning for Remote Sensing novel methodologies. Indeed, recent advances on remote sensing technologies have led to a dramatic increase in the types of signals and imagery available. Moreover, the wide variety of different sensors in combination with the modern signal and image processing, computer vision and machine learning enable the near real-time environmental data acquisition, assessment, processing and analysis for the ultimate goals of ecosystem protection and monitoring. To this end, this Special Issue entitled “Computer Vision and Machine Learning for Remote Sensing Solutions applied to Environmental Challenges” is focused on the urgent priority around protecting the value and potential of the ecosystem and global future.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 December 2023)



## Remote Sensing

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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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