# Special Issue

# Remote Sensing Technologies, Applications and Perspectives at Night: Nightlight, Nighttime Thermal Infrared and Synthetic Aperture Radar (SAR)

## Message from the Guest Editors

Daytime measurements of reflected sunlight in the visible spectrum have long been a standard for Earthobserving radiometers. However, at night, these optical sensors are limited in their ability to capture detailed information on many critical weather and climate parameters. This limitation hampers our ability to fully characterize the diurnal behavior and processes essential for the improved monitoring, understanding, and modeling of weather and climate systems. This Special Issue aims to provide a series of case studies demonstrating the use of a wide spectrum of remote sensing for science at night: technologies, applications, and perspectives. This issue aims to find the advances of remote sensing technologies in night-time environmental monitoring for a range of practical and research applications, Earth observation datasets, and challenges.

### **Guest Editors**

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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 peerreview 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.

#### Editor-in-Chief

#### Dr. Prasad S. Thenkabail

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