# Special Issue

## Remote Sensing Modelling and Measuring Snow Cover and Snow Albedo

### Message from the Guest Editors

This *Remote Sensing* Special Issue seeks to compile cutting-edge research advancements in remote sensing regarding snow cover, snow albedo, and their influencing factors (e.g., light-absorbing particles). Aligned with the journal's scope, encompassing the application of remote sensing technologies to understand cryospheric processes and land surface–atmosphere interactions, this issue will facilitate interdisciplinary collaboration, contributing to enhanced predictive capabilities in climate change studies and improving our ability to monitor and model these critical cryospheric parameters. We invite submissions covering a range of relevant themes, including, but not limited to, the following:

- Novel remote sensing techniques and algorithms for detecting snow cover and retrieving snow albedo.
- Analysis of the spatial and temporal variability of snow cover and snow albedo from local to global scales.
- The influence of surface characteristics (e.g., grain size, snow morphology) on albedo.
- The impact of light-absorbing particles (LAPs), such as black carbon and dust, on snow and ice albedo reduction.

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### Guest Editors

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### Deadline for manuscript submissions

1 November 2025

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## About the Journal

### 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.

### Editor-in-Chief

Dr. Prasad S. Thenkabail
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