Special Issue

Advances in Remote Sensing Techniques for Exploring Forest Wildlife Habitats and Biodiversity Conservation

Message from the Guest Editors

This Special Issue aims to explore the coupling of remote sensing and ecological modeling, with particular relevance to studying the sustainable management and restoration of wildlife habitats in forests. Given the growing need for innovative solutions to biodiversity loss, we seek contributions that explore how these technologies can be leveraged to not only monitor and restore forest ecosystems but also enhance our capacity to implement adaptive management strategies in response to climate and human-driven pressures. Key topics of interest include:

- Remote Sensing for Habitat Monitoring:
  - Use of satellite imagery and UAVs to map forest habitats, track wildlife movements, and assess habitat fragmentation.
- Ecological Modeling for Restoration:
  - Application of species distribution models (SDMs) and habitat suitability models (HSMs) to guide silvicultural practices and restoration efforts.
- Ground-Truthing and Model Validation:
  - Integrating field data with remote sensing to validate models and enhance accuracy in distribution and habitat predictions.
- Human Impacts and Adaptive Management:
  - Using remote sensing to assess deforestation

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Deadline for manuscript submissions

30 April 2026

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/260953

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Message from the Editorial Board

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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