

## Special Issue

# Advances and Challenges in Ultra-High-Resolution Land Cover and Land Use Classification

### Message from the Guest Editors

Dear colleagues, Land cover and land use (LCLU) classification has witnessed significant advancements in recent decades, propelled by the widespread availability of high-resolution optical imagery and from satellite and unmanned aerial vehicles (UAVs). The utilization of specific classification algorithms, diverse processing platforms, and increasingly powerful computational resources has further enhanced the capabilities of LCLU classification. Integrating very-high-resolution imagery has notably transformed LCLU analysis, presenting new opportunities and challenges. This Special Issue of Remote Sensing aims to compile contributions focused on generating land cover and land use maps using ultra-high-resolution and very-high-resolution optical data derived from both UAVs and satellites, along with their integration, including model transfer and model upscaling/downscaling.

Submissions related to diverse geographic areas, specific semantic classifications, methodologies for minimizing errors associated with UHR and VHR resolution, and applications in complex scenarios are encouraged.

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### Guest Editors

Dr. Elena Belcore

Department of Environment, Land and Infrastructure Engineering (DIATI), Politecnico di Torino, C.so Duca degli Abruzzi 24, 10129 Torino, Italy

Prof. Dr. Marco Piras

Department of Environment, Land and Infrastructure Engineering (DIATI), Politecnico di Torino, C.so Duca degli Abruzzi 24, 10129 Torino, Italy

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### Deadline for manuscript submissions

closed (15 June 2025)



## Remote Sensing

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*Remote Sensing*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[remotesensing@mdpi.com](mailto:remotesensing@mdpi.com)

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*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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### Editors-in-Chief

Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

Prof. Dr. Dongdong Wang

Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

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