Special Issue

Aerial and Drone LiDAR Data for Geomorphological Mapping, Landform Extraction and Landscape Evolution

Message from the Guest Editors

Recently, the increased availability of ultra-high resolution LIDAR data has favored the spreading of different applications in the field of quantitative landscape analyses. Such data strongly support traditional geomorphological methods of delineating geomorphological elements and types and rates of surface processes. This special issue encourages researchers to submit papers dealing with the multitemporal analysis of LIDAR DEMs aimed at the detailed reconstruction of short- and long-term topographic changes. Other relevant topics for this research proposal include the analysis of LIDAR-derived data for geomorphological mapping purposes, modeling of short- and long-term estimation of topographic changes and geomorphological processes in different climate contexts and at different spatial and temporal scales, and quantitative characterization of geomorphological processes and landform changes. Contributions to the high potential of LIDAR surveys for application in the field of landscape archaeology or the identification of small-scale landforms of archaeological significance are also welcomed.

Guest Editors

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Dr. Nicodemo Abate

Dr. Giuseppe Corrado

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Deadline for manuscript submissions

closed (15 July 2025)

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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.

Editor-in-Chief

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