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Application of Digital Aerial Photogrammetry in Geomorphological Studies

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Deadline for manuscript submissions:
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Message from the Guest Editors

In the last decade, novel methodologies concerning the creation of high-resolution topographic data have experienced an evident revolution in geomorphology. Terrestrial laser scanners, airborne LiDAR, synthetic aperture radar and photogrammetry, among others, have allowed for the creation of very-high-resolution digital elevation models (DEMs).

Of these novel methodologies, photogrammetry is probably the one to have experienced the greatest development, due to its low cost and ease of application. The growth and development of structure-from-motion (Sfm) algorithms for aerial image processing has been a milestone in photogrammetry, making their use relatively inexpensive and requiring little training to apply. The application of photogrammetric techniques is being used to analyze geomorphological processes in many research fields.

Topics for consideration include, but are not limited to, the following areas:

UAV digital photogrammetry;

Analysis of landforms and processes using high-resolution topographic data/photogrammetry;

Extraction of quantitative geomorphic parameters obtained from DEMs;

Different-resolution data in the characterization of geomorphic features.

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Special Issue

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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.

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