

Special Issue

Applications of Individual Tree Detection (ITD)

Message from the Guest Editors

Recent advancements in the data processing sphere and introduction of low-cost Unmanned Aerial Vehicles (UAV) have resulted in proliferation of Individual Tree Algorithm (ITD) applications in areas of forestry and conservation in the past decade. We, hereby invite authors from the broad forest remote sensing domain to consider this SI as a medium to publish their original and/or review articles that explore the applications of ITD algorithms – which can be based on satellite imagery, drone data, discrete return and full waveform LiDAR (Light Detection and Ranging), hyperspectral data and/or sensor fusion. A few of the potential topics, other than the ones mentioned previously, include:

- Tree-level attributes estimation and three-dimensional (3D) canopy structure analysis
- Development of novel ITD algorithms and/or comparison and evaluation of existing ones
- Compare and contrast performance of various remote sensing techniques in terms of ITD abilities
- Data fusion approach for improving tree detection accuracy and characterization
- ITD models transferable from one species to another as well as between disparate spatial scales and locations

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Deadline for manuscript submissions

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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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