Special Issue

UAV Application in Forestry

Message from the Guest Editors

UAV remote sensing technology at small spatial scales has substantially enhanced the measurement efficiency for forest stands and even for individual trees, and verified its reliability at larger scales. This technology offers opportunities for testing fundamental theories and generating new insights into forest management, forest ecology, and tree phenotyping. Recent advances in UAV applications in forestry have emerged as part of a novel interdisciplinary domain. This Special Issue invites contributions on UAV remote sensing of forest ecosystems using imaging technologies, photogrammetry, and LiDAR observations. The topics include, but are not limited to:

- Multi-modal and multi-source UAV data acquisition and processing;
- New theories, models, and algorithms to estimate structural, biophysical, and biochemical variables;
- Using the UAV observations to address or explore forest ecology problems;
- Synergetic use of UAV and satellite data to optimize forest inventory;
- Investigations of uncertainties and errors during UAV observations and data processing, such as radiometric corrections and geometric corrections.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

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