



Advanced Applications of UAV Remote Sensing in Forest Structure

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Message from the Guest Editors

Forest structure is essential for forest management and ecosystem dynamics research. Many forest structure parameters, such as diameter at breast height (DBH) and total tree height, are the most important tree or stand characteristics and can be directly measured on the ground. However, collecting forest structure parameters, can be costly and time consuming. Substantial research has thus been conducted to advance the methods for obtaining DBH values at the individual tree or stand levels through development and use of estimation models based on satellite or airborne remote sensing technologies. Especially, with the emergence and advancement of unmanned aerial vehicles (UAV) remote sensing technology over the past decade, automated individual tree detection and crown delineation using high spatial resolution data provides good opportunities for estimation of forest structure parameters at a large scale. We encourage studies from all fields, including experimental studies, monitoring approaches and models, to contribute to this Special Issue.





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