

Special Issue

Recent Advances in Nondestructive Evaluation of Wood: In-Forest Wood Quality Assessments

Message from the Guest Editor

Recent research and development on nondestructive testing technologies has brought the in-forest assessment of wood and fiber properties of standing trees into forest management, resource evaluation, harvesting operation, and efficient wood utilization. Significant values are associated with the wood and fiber quality of our forests for the production of structural lumber, engineered wood products (such as glulam, LVL, and CLT), and pulping and paper. Rapid and nondestructive measurements on trees allow this value to be captured through better silvicultural practices, as well as the allocation of resources to highest value users and application of best processing methods. This Special Issue invites papers on in-forest wood quality assessment using emerging nondestructive technologies (SilviSvan, near infrared, resistance drilling, acoustics, and 3D laser scanning).

Guest Editor

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