

Lau, Alvaro et al. "Tree biomass equations from terrestrial LiDAR: A case study in Guyana". *Forests*. 2019. 10(6). <https://doi.org/10.3390/f10060527>

Miettinen, P. et al. "The role of base substrate on barrier and convertability properties of Water based barrier coated (WBBC) paper and paperboard". *Paper Conference and Trade Show, PaperCon 2017: Renew, Rethink, Redefine the Future, Minneapolis, Minnesota, USA, 23-26 April 2017*. TAPPI Press. 2017, 220-232.

Pääkkönen, A., H. Tolvanen and L. Kokko. "The economics of renewable CaC_2 and C_2H_2 production from biomass and CaO ". *Biomass and Bioenergy*. 2019, 120. 40-48. <https://doi.org/10.1016/j.biombioe.2018.10.020>

Krishna Moorthy, Sruthi M. et al. "Terrestrial laser scanning for non-destructive estimates of liana stem biomass". *FOREST ECOLOGY AND MANAGEMENT*. 2020. 456. <https://doi.org/10.1016/j.foreco.2019.117751>

Vakkilainen, Esa et al. "Sustainability of bioenergy in finland and globally – fact check". *27th European Biomass Conference and Exhibition, EUBCE 2019*. European Biomass Conference and Exhibition Proceedings. ETA-Florence Renewable Energies. 2019, 1634-1635.

Melander, Lari and Risto Ritala. "Separating the impact of work environment and machine operation on harvester performance". *EUROPEAN JOURNAL OF FOREST RESEARCH*. 2020. <https://doi.org/10.1007/s10342-020-01304-5>

Lehtomäki, A., T. A. Viinikainen, and J. A. Rintala. "Screening boreal energy crops and crop residues for methane biofuel production". *Biomass & Bioenergy*. 2008, 32(6). 541-550. <https://doi.org/10.1016/j.biombioe.2007.11.013>

Lau, Alvaro et al. "Quantifying branch architecture of tropical trees using terrestrial LiDAR and 3D modelling". *Trees - Structure and Function*. 2018, 32(5). 1219-1231. <https://doi.org/10.1007/s00468-018-1704-1>

Laasasenaho, Kari, Anssi Lensu, and Jukka Rintala. "Planning land use for biogas energy crop production: The potential of cutaway peat production lands". *Biomass & Bioenergy*. 2016, 85. 355-362. <https://doi.org/10.1016/j.biombioe.2015.12.030>

Raunio, Jukka-Pekka, Tommi Löyttyniemi, and Risto Ritala. "Online quality evaluation of tissue paper structure on new generation tissue machines". *Nordic Pulp and Paper Research Journal*. 2018, 33(1). 133-141. <https://doi.org/10.1515/npprj-2018-3004>

Pakarinen, O. M., H. P. Tähti, and J. A. Rintala. "One-stage H_2 and CH_4 and two-stage $\text{H}_2 + \text{CH}_4$ production from grass silage and from solid and liquid fractions of NaOH pre-treated grass silage". *Biomass & Bioenergy*. 2009, 33(10). 1419-1427. <https://doi.org/10.1016/j.biombioe.2009.06.006>

Seppälä, Mari et al. "Methane production from maize in Finland - Screening for different maize varieties and plant parts". *Biomass & Bioenergy*. 2012, 46(November). 282-290. <https://doi.org/10.1016/j.biombioe.2012.08.016>

Laasasenaho, Kari et al. "Landowners' willingness to promote bioenergy production on wasteland – future impact on land use of cutaway peatlands". *Land Use Policy*. 2017, 69. 167-175. <https://doi.org/10.1016/j.landusepol.2017.09.010>

Praveenkumar, Ramasamy et al. "Influence of nutrient deprivations on lipid accumulation in a dominant indigenous microalga *Chlorella* sp., BUM11008: Evaluation for biodiesel production". *Biomass & Bioenergy*. 2012, 37. 60-66. <https://doi.org/10.1016/j.biombioe.2011.12.035>

Juchheim, Julia et al. "How management intensity and neighborhood composition affect the structure of beech (*Fagus sylvatica* L.) trees". *TREES-STRUCTURE AND FUNCTION*. 2017, 31(5). 1723–1735. <https://doi.org/10.1007/s00468-017-1581-z>

- Rasa, Kimmo et al. "How and why does willow biochar increase a clay soil water retention capacity?". *Biomass and Bioenergy*. 2018, 119. 346-353. <https://doi.org/10.1016/j.biombioe.2018.10.004>
- Brobbej, Kofi J. et al. "High-speed manufacturing of antimicrobial paper". *Paper Conference and Trade Show, PaperCon 2018*. TAPPI Press. 2018, 564-566.
- Melander, Lari, Kalle Einola, and Risto Ritala. "Fusion of open forest data and machine fieldbus data for performance analysis of forest machines". *EUROPEAN JOURNAL OF FOREST RESEARCH*. 2019. <https://doi.org/10.1007/s10342-019-01237-8>
- Kaakkurivaara, Tomi et al. "Fly ash in forest road rehabilitation". *Croatian Journal of Forest Engineering*. 2016, 37(1). 119-130.
- Jackson, T. et al. "Finite element analysis of trees in the wind based on terrestrial laser scanning data". *Agricultural and Forest Meteorology*. 2019, 265. 137-144. <https://doi.org/10.1016/j.agrformet.2018.11.014>
- Carver, Sarah M. et al. "Fermentative metabolism of an anaerobic, thermophilic consortium on plant polymers and commercial paper samples". *Biomass & Bioenergy*. 2015, 75. 11-22. <https://doi.org/10.1016/j.biombioe.2015.02.005>
- Laitinen, Sirpa et al. "Exposure to biological and chemical agents at biomass power plants". *Biomass & Bioenergy*. 2016, 93. 78-86. <https://doi.org/10.1016/j.biombioe.2016.06.025>
- Raunio, Jukka-Pekka et al. "Evaluating the contrast of planar periodic patterns on paper". *Paper Conference and Trade Show, PaperCon 2018*. TAPPI Press. 2018, 294-302.
- Marzulli, Maria Immacolata et al. "Estimating tree stem diameters and volume from smartphone photogrammetric point clouds". *FORESTRY*. 2020, 93(3). 411-429. <https://doi.org/10.1093/forestry/cpz067>
- Potapov, Ilya et al. "Data-based stochastic modeling of tree growth and structure formation". *Silva Fennica*. 2016. 50(1). <https://doi.org/10.14214/sf.1413>
- Sulonen, Kimmo, Kirsikka Riekkinen and Seija Kotilainen. "Customer-oriented approach in cadastral procedures – Case study from Finland". *Land Use Policy*. 2020. 90. <https://doi.org/10.1016/j.landusepol.2019.104209>
- Stepien, Milena et al. "Controlled wettability of paperboard by nanoparticles using liquid flame spray process". *International Conference on Nanotechnology for the Forest Products Industry 2010*. 2010, 1390-1392.
- Kunz, Matthias et al. "Comparison of wood volume estimates of young trees from terrestrial laser scan data". *iForest - Biogeosciences and Forestry*. 2017, 10(2). 451-458. <https://doi.org/10.3832/ifer2151-010>
- Melander, Lari, Risto Ritala and Markus Strandström. "Classifying soil stoniness based on the excavator boom vibration data in mounding operations". *Silva Fennica*. 2019. 53(2). <https://doi.org/10.14214/sf.10068>
- Kaakkurivaara, T. et al. "Applicability of portable tools in assessing the bearing capacity of forest roads". *Silva Fennica*. 2015. 49(2). <https://doi.org/10.14214/sf.1239>