

Krishna Moorthy, Sruthi M. ; Raunonen, Pasi ; Van den Bulcke, Jan ; Calders, Kim ; Verbeeck, Hans. / **Terrestrial laser scanning for non-destructive estimates of liana stem biomass**. In: FOREST ECOLOGY AND MANAGEMENT. 2020 ; Vol. 456.

Sulonen, Kimmo ; Riekkinen, Kirsikka ; Kotilainen, Seija. / **Customer-oriented approach in cadastral procedures – Case study from Finland**. In: Land Use Policy. 2020 ; Vol. 90.

Marzulli, Maria Immacolata ; Raunonen, Pasi ; Greco, Roberto ; Persia, Manuela ; Tartarino, Patrizia. / **Estimating tree stem diameters and volume from smartphone photogrammetric point clouds**. In: FORESTRY. 2020 ; Vol. 93, No. 3. pp. 411-429.

Melander, Lari ; Ritala, Risto. / **Separating the impact of work environment and machine operation on harvester performance**. In: EUROPEAN JOURNAL OF FOREST RESEARCH. 2020.

Lau, Alvaro ; Calders, Kim ; Bartholomeus, Harm ; Martius, Christopher ; Raunonen, Pasi ; Herold, Martin ; Vicari, Matheus ; Sukhdeo, Hansrajie ; Singh, Jeremy ; Goodman, Rosa C. / **Tree biomass equations from terrestrial LiDAR : A case study in Guyana**. In: Forests. 2019 ; Vol. 10, No. 6.

Jackson, T. ; Shenkin, A. ; Wellpott, A. ; Calders, K. ; Origo, N. ; Disney, M. ; Burt, A. ; Raunonen, P. ; Gardiner, B. ; Herold, M. ; Fourcaud, T. ; Malhi, Y. / **Finite element analysis of trees in the wind based on terrestrial laser scanning data**. In: Agricultural and Forest Meteorology. 2019 ; Vol. 265. pp. 137-144.

Pääkkönen, A. ; Tolvanen, H. ; Kokko, L. / **The economics of renewable CaC₂ and C₂H₂ production from biomass and CaO**. In: Biomass and Bioenergy. 2019 ; Vol. 120. pp. 40-48.

Melander, Lari ; Ritala, Risto ; Strandström, Markus. / **Classifying soil stoniness based on the excavator boom vibration data in mounding operations**. In: Silva Fennica. 2019 ; Vol. 53, No. 2.

Melander, Lari ; Einola, Kalle ; Ritala, Risto. / **Fusion of open forest data and machine fieldbus data for performance analysis of forest machines**. In: EUROPEAN JOURNAL OF FOREST RESEARCH. 2019.

Rasa, Kimmo ; Heikkinen, Jaakko ; Hannula, Markus ; Arstila, Kai ; Kulju, Sampo ; Hyväluoma, Jari. / **How and why does willow biochar increase a clay soil water retention capacity?**. In: Biomass and Bioenergy. 2018 ; Vol. 119. pp. 346-353.

Lau, Alvaro ; Bentley, Lisa Patrick ; Martius, Christopher ; Shenkin, Alexander ; Bartholomeus, Harm ; Raunonen, Pasi ; Malhi, Yadvinder ; Jackson, Tobias ; Herold, Martin. / **Quantifying branch architecture of tropical trees using terrestrial LiDAR and 3D modelling**. In: Trees - Structure and Function. 2018 ; Vol. 32, No. 5. pp. 1219-1231.

Raunio, Jukka-Pekka ; Löyttyniemi, Tommi ; Ritala, Risto. / **Online quality evaluation of tissue paper structure on new generation tissue machines**. In: Nordic Pulp and Paper Research Journal. 2018 ; Vol. 33, No. 1. pp. 133-141.

Laasasenaho, Kari ; Lensu, Anssi ; Rintala, Jukka ; Lauhanen, Risto. / **Landowners' willingness to promote bioenergy production on wasteland – future impact on land use of cutaway peatlands**. In: Land Use Policy. 2017 ; Vol. 69. pp. 167-175.

Juchheim, Julia ; Annighöfer, Peter ; Ammer, Christian ; Calders, Kim ; Raunonen, Pasi ; Seidel, Dominik. / **How management intensity and neighborhood composition affect the structure of beech (*Fagus sylvatica* L.) trees**. In: TREES-STRUCTURE AND FUNCTION. 2017 ; Vol. 31, No. 5. pp. 1723–1735.

Kunz, Matthias ; Hess, Carsten ; Raunonen, Pasi ; Bienert, Anne ; Hackenberg, Jan ; Maas, Hans Gerd ; Härdtle, Werner ; Fichtner, Andreas ; Von Oheimb, Goddert. / **Comparison of wood volume estimates of young trees from terrestrial laser scan data**. In: iForest - Biogeosciences and Forestry. 2017 ; Vol. 10, No. 2. pp. 451-458.

Laitinen, Sirpa ; Laitinen, Juha ; Fagernäs, Leena ; Korpijärvi, Kirsi ; Korpinen, Leena ; Ojanen, Kari ; Aatamila, Marjaleena ; Jumpponen, Mika ; Koponen, Hanna ; Jokiniemi, Jorma. / **Exposure to biological and chemical agents at biomass power plants.** In: Biomass & Bioenergy. 2016 ; Vol. 93. pp. 78-86.

Laasasenaho, Kari ; Lensu, Anssi ; Rintala, Jukka. / **Planning land use for biogas energy crop production : The potential of cutaway peat production lands.** In: Biomass & Bioenergy. 2016 ; Vol. 85. pp. 355-362.

Potapov, Ilya ; Järvenpää, Marko ; Åkerblom, Markku ; Raunonen, Pasi ; Kaasalainen, Mikko. / **Data-based stochastic modeling of tree growth and structure formation.** In: Silva Fennica. 2016 ; Vol. 50, No. 1.

Kaakkurivaara, Tomi ; Kolisoja, Pauli ; Uusitalo, Jori ; Vuorimies, Nuutti. / **Fly ash in forest road rehabilitation.** In: Croatian Journal of Forest Engineering. 2016 ; Vol. 37, No. 1. pp. 119-130.

Carver, Sarah M. ; Nelson, Michael C. ; Yu, Zhongtang ; Tuovinen, Olli H. / **Fermentative metabolism of an anaerobic, thermophilic consortium on plant polymers and commercial paper samples.** In: Biomass & Bioenergy. 2015 ; Vol. 75. pp. 11-22.

Kaakkurivaara, T. ; Vuorimies, N. ; Kolisoja, P. ; Uusitalo, J. / **Applicability of portable tools in assessing the bearing capacity of forest roads.** In: Silva Fennica. 2015 ; Vol. 49, No. 2.

Seppälä, Mari ; Pyykkönen, Ville ; Laine, Antti ; Rintala, Jukka. / **Methane production from maize in Finland - Screening for different maize varieties and plant parts.** In: Biomass & Bioenergy. 2012 ; Vol. 46, No. November. pp. 282-290.

Praveenkumar, Ramasamy ; Shameera, Kalifulla ; Mahalakshmi, Gopalakrishnan ; Akbarsha, Mohammad Abdulkader ; Thajuddin, Nooruddin. / **Influence of nutrient deprivations on lipid accumulation in a dominant indigenous microalga *Chlorella sp.*, BUM11008 : Evaluation for biodiesel production.** In: Biomass & Bioenergy. 2012 ; Vol. 37. pp. 60-66.

Pakarinen, O. M. ; Tähti, H. P. ; Rintala, J. A. / **One-stage H₂ and CH₄ and two-stage H₂ + CH₄ production from grass silage and from solid and liquid fractions of NaOH pre-treated grass silage.** In: Biomass & Bioenergy. 2009 ; Vol. 33, No. 10. pp. 1419-1427.

Lehtomäki, A. ; Viinikainen, T. A. ; Rintala, J. A. / **Screening boreal energy crops and crop residues for methane biofuel production.** In: Biomass & Bioenergy. 2008 ; Vol. 32, No. 6. pp. 541-550.

Vakkilainen, Esa ; Konttinen, Jukka ; Orasuo, Varpu ; Aalto, Pami. / **Sustainability of bioenergy in finland and globally – fact check.** 27th European Biomass Conference and Exhibition, EUBCE 2019. ETA-Florence Renewable Energies, 2019. pp. 1634-1635 (European Biomass Conference and Exhibition Proceedings).

Brobbe, Kofi J. ; Haapanen, Janne ; Gunell, Marianne ; Mäkelä, Jyrki M. ; Eerola, Erkki ; Saarinen, Jarkko J. ; Toivakka, Martti. / **High-speed manufacturing of antimicrobial paper.** Paper Conference and Trade Show, PaperCon 2018. TAPPI Press, 2018. pp. 564-566

Raunio, Jukka-Pekka ; Makela, Ismo ; Mäntylä, Markku ; Ritala, Risto. / **Evaluating the contrast of planar periodic patterns on paper.** Paper Conference and Trade Show, PaperCon 2018. TAPPI Press, 2018. pp. 294-302

Miettinen, P. ; Ahokas, M. ; Engström, T. ; Heinonen, J. ; Auvinen, S. / **The role of base substrate on barrier and convertibility 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. Vol. 1 TAPPI Press, 2017. pp. 220-232

Stepien, Milena ; Saarinen, Jarkko J. ; Teisala, Hannu ; Tuominen, Mikko ; Aromaa, Mikko ; Kuusipalo, Jurkka ; Mäkelä, Jyrki ; Toivakka, Martti. / **Controlled wettability of paperboard by nanoparticles using liquid flame spray process.** International Conference on Nanotechnology for the Forest Products Industry 2010. 2010. pp. 1390-1392

