

Vakkilainen, E, Konttinen, J, Orasuo, V & Aalto, P 2019, Sustainability of bioenergy in finland and globally – fact check. in *27th European Biomass Conference and Exhibition, EUBCE 2019*. European Biomass Conference and Exhibition Proceedings, ETA-Florence Renewable Energies, pp. 1634-1635, European Biomass Conference and Exhibition, Lisbon, Portugal, 27/05/19.

Sulonen, K, Riekkinen, K & Kotilainen, S 2020, 'Customer-oriented approach in cadastral procedures – Case study from Finland', *Land Use Policy*, vol. 90, 104209. <https://doi.org/10.1016/j.landusepol.2019.104209>

Stepien, M, Saarinen, JJ, Teisala, H, Tuominen, M, Aromaa, M, Kuusipalo, J, Mäkelä, J & Toivakka, M 2010, Controlled wettability of paperboard by nanoparticles using liquid flame spray process. in *International Conference on Nanotechnology for the Forest Products Industry 2010*. pp. 1390-1392, International Conference on Nanotechnology for the Forest Products Industry 2010, Otaniemi, Espoo, Finland, 27/09/10.

Seppälä, M, Pyykkönen, V, Laine, A & Rintala, J 2012, 'Methane production from maize in Finland - Screening for different maize varieties and plant parts', *Biomass & Bioenergy*, vol. 46, no. November, pp. 282-290. <https://doi.org/10.1016/j.biombioe.2012.08.016>

Raunio, J-P, Löyttyniemi, T & Ritala, R 2018, 'Online quality evaluation of tissue paper structure on new generation tissue machines', *Nordic Pulp and Paper Research Journal*, vol. 33, no. 1, pp. 133-141. <https://doi.org/10.1515/npprj-2018-3004>

Raunio, J-P, Makela, I, Mäntylä, M & Ritala, R 2018, Evaluating the contrast of planar periodic patterns on paper. in *Paper Conference and Trade Show, PaperCon 2018*. TAPPI Press, pp. 294-302, TAPPI Paper Conference and Trade Show, Charlotte, United States, 15/04/18.

Rasa, K, Heikkinen, J, Hannula, M, Arstila, K, Kulju, S & Hyväluoma, J 2018, 'How and why does willow biochar increase a clay soil water retention capacity?', *Biomass and Bioenergy*, vol. 119, pp. 346-353. <https://doi.org/10.1016/j.biombioe.2018.10.004>

Praveenkumar, R, Shameera, K, Mahalakshmi, G, Akbarsha, MA & Thajuddin, N 2012, 'Influence of nutrient deprivations on lipid accumulation in a dominant indigenous microalga *Chlorella* sp., BUM11008: Evaluation for biodiesel production', *Biomass & Bioenergy*, vol. 37, pp. 60-66. <https://doi.org/10.1016/j.biombioe.2011.12.035>

Potapov, I, Järvenpää, M, Åkerblom, M, Raunonen, P & Kaasalainen, M 2016, 'Data-based stochastic modeling of tree growth and structure formation', *Silva Fennica*, vol. 50, no. 1, 1413. <https://doi.org/10.14214/sf.1413>

Pakarinen, OM, Tähti, HP & Rintala, JA 2009, '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', *Biomass & Bioenergy*, vol. 33, no. 10, pp. 1419-1427. <https://doi.org/10.1016/j.biombioe.2009.06.006>

Pääkkönen, A, Tolvanen, H & Kokko, L 2019, 'The economics of renewable CaC₂ and C₂H₂ production from biomass and CaO', *Biomass and Bioenergy*, vol. 120, pp. 40-48. <https://doi.org/10.1016/j.biombioe.2018.10.020>

Miettinen, P, Ahokas, M, Engström, T, Heinonen, J & Auvinen, S 2017, The role of base substrate on barrier and convertability properties of Water based barrier coated (WBBC) paper and paperboard. in *Paper Conference and Trade Show, PaperCon 2017: Renew, Rethink, Redefine the Future, Minneapolis, Minnesota, USA, 23-26 April 2017*. vol. 1, TAPPI Press, pp. 220-232, Paper Conference and Trade Show, 23/05/18.

Melander, L, Ritala, R & Strandström, M 2019, 'Classifying soil stoniness based on the excavator boom vibration data in mounding operations', *Silva Fennica*, vol. 53, no. 2, 10068. <https://doi.org/10.14214/sf.10068>

Melander, L, Einola, K & Ritala, R 2019, 'Fusion of open forest data and machine fieldbus data for performance analysis of forest machines', *EUROPEAN JOURNAL OF FOREST RESEARCH*. <https://doi.org/10.1007/s10342-019-01237-8>

- Melander, L & Ritala, R 2020, 'Separating the impact of work environment and machine operation on harvester performance', *EUROPEAN JOURNAL OF FOREST RESEARCH*. <https://doi.org/10.1007/s10342-020-01304-5>
- Marzulli, MI, Raunonen, P, Greco, R, Persia, M & Tartarino, P 2020, 'Estimating tree stem diameters and volume from smartphone photogrammetric point clouds', *FORESTRY*, vol. 93, no. 3, pp. 411-429. <https://doi.org/10.1093/forestry/cpz067>
- Lehtomäki, A, Viinikainen, TA & Rintala, JA 2008, 'Screening boreal energy crops and crop residues for methane biofuel production', *Biomass & Bioenergy*, vol. 32, no. 6, pp. 541-550. <https://doi.org/10.1016/j.biombioe.2007.11.013>
- Lau, A, Bentley, LP, Martius, C, Shenkin, A, Bartholomeus, H, Raunonen, P, Malhi, Y, Jackson, T & Herold, M 2018, 'Quantifying branch architecture of tropical trees using terrestrial LiDAR and 3D modelling', *Trees - Structure and Function*, vol. 32, no. 5, pp. 1219-1231. <https://doi.org/10.1007/s00468-018-1704-1>
- Lau, A, Calders, K, Bartholomeus, H, Martius, C, Raunonen, P, Herold, M, Vicari, M, Sukhdeo, H, Singh, J & Goodman, RC 2019, 'Tree biomass equations from terrestrial LiDAR: A case study in Guyana', *Forests*, vol. 10, no. 6, 527. <https://doi.org/10.3390/f10060527>
- Laitinen, S, Laitinen, J, Fagnäs, L, Korpijärvi, K, Korpinen, L, Ojanen, K, Aatamila, M, Jumpponen, M, Koponen, H & Jokiniemi, J 2016, 'Exposure to biological and chemical agents at biomass power plants', *Biomass & Bioenergy*, vol. 93, pp. 78-86. <https://doi.org/10.1016/j.biombioe.2016.06.025>
- Laasasenaho, K, Lensu, A & Rintala, J 2016, 'Planning land use for biogas energy crop production: The potential of cutaway peat production lands', *Biomass & Bioenergy*, vol. 85, pp. 355-362. <https://doi.org/10.1016/j.biombioe.2015.12.030>
- Laasasenaho, K, Lensu, A, Rintala, J & Lauhanen, R 2017, 'Landowners' willingness to promote bioenergy production on wasteland – future impact on land use of cutaway peatlands', *Land Use Policy*, vol. 69, pp. 167-175. <https://doi.org/10.1016/j.landusepol.2017.09.010>
- Kunz, M, Hess, C, Raunonen, P, Bienert, A, Hackenberg, J, Maas, HG, Härdtle, W, Fichtner, A & Von Oheimb, G 2017, 'Comparison of wood volume estimates of young trees from terrestrial laser scan data', *iForest - Biogeosciences and Forestry*, vol. 10, no. 2, pp. 451-458. <https://doi.org/10.3832/ifor2151-010>
- Krishna Moorthy, SM, Raunonen, P, Van den Bulcke, J, Calders, K & Verbeeck, H 2020, 'Terrestrial laser scanning for non-destructive estimates of liana stem biomass', *FOREST ECOLOGY AND MANAGEMENT*, vol. 456, 117751. <https://doi.org/10.1016/j.foreco.2019.117751>
- Kaakkurivaara, T, Vuorimies, N, Kolisoja, P & Uusitalo, J 2015, 'Applicability of portable tools in assessing the bearing capacity of forest roads', *Silva Fennica*, vol. 49, no. 2, 1239. <https://doi.org/10.14214/sf.1239>
- Kaakkurivaara, T, Kolisoja, P, Uusitalo, J & Vuorimies, N 2016, 'Fly ash in forest road rehabilitation', *Croatian Journal of Forest Engineering*, vol. 37, no. 1, pp. 119-130.
- Juchheim, J, Annighöfer, P, Ammer, C, Calders, K, Raunonen, P & Seidel, D 2017, 'How management intensity and neighborhood composition affect the structure of beech (*Fagus sylvatica* L.) trees', *TREES-STRUCTURE AND FUNCTION*, vol. 31, no. 5, pp. 1723–1735. <https://doi.org/10.1007/s00468-017-1581-z>
- Jackson, T, Shenkin, A, Wellpott, A, Calders, K, Origo, N, Disney, M, Burt, A, Raunonen, P, Gardiner, B, Herold, M, Fourcaud, T & Malhi, Y 2019, 'Finite element analysis of trees in the wind based on terrestrial laser scanning data', *Agricultural and Forest Meteorology*, vol. 265, pp. 137-144. <https://doi.org/10.1016/j.agrformet.2018.11.014>
- Carver, SM, Nelson, MC, Yu, Z & Tuovinen, OH 2015, 'Fermentative metabolism of an anaerobic, thermophilic consortium on plant polymers and commercial paper samples', *Biomass & Bioenergy*, vol. 75, pp. 11-22. <https://doi.org/10.1016/j.biombioe.2015.02.005>

Brobbey, KJ, Haapanen, J, Gunell, M, Mäkelä, JM, Eerola, E, Saarinen, JJ & Toivakka, M 2018, High-speed manufacturing of antimicrobial paper. in *Paper Conference and Trade Show, PaperCon 2018*. TAPPI Press, pp. 564-566, TAPPI Paper Conference and Trade Show, Charlotte, United States, 15/04/18.