

## Refereed Publications

- Krigstin, S., and S. Wetzel 2016. A Review of Mechanisms Responsible for Changes to Stored Woody Biomass Fuels. *Fuel* V. 175, 1 July 2016: 75-86.
- Krigstin, S., Wetzel, S., Mabee, W. and S. Stadnyk. 2016. Can Woody Biomass Support a Pellet Industry in Southeastern Ontario: A Case Study. *Forestry Chronicle* (accepted for publication (12-2015)).
- Acquah, G.E., Krigstin, S., Wetzel, S., Cooper, P., and D. Cormier. 2016. Heterogeneity of forest harvest residue from Eastern Ontario Biomass Harvests. *Forest Products Journal* 66 (3-4): 164-175.
- Sameni, J., Krigstin, S., and M. Sain. 2015. Effect of preparation parameters on the formation of lignin acetate microspheres. *International Journal of Engineering and Innovative Technology (IJEIT)*4(8): 12pp.
- Barrette, J., Thiffault, E., Saint-Pierre, F., Wetzel, S., Duchesne, I. and S. Krigstin. 2015. Dynamics of dead tree degradation and shelf-life following natural disturbances; can salvaged trees from the boreal forest ,fuel' the forestry and bioenergy secotrs? *Forestry* 88(3): 275-290.
- Parzei, S., Krigstin, S., Hayashi, K., and S. Wetzel. 2014. Forest harvest residues available in Eastern Canada – a critical review of estimations. *Forestry Chronicle* 90(06): 778-784.
- Khan, S., Krigstin, S., Volpé S. and S.Wetzel 2014. Essential oil composition of forest biomass stored under industrial conditions in Eastern Canada. *Industrial Crops and Products* 56(2014): 35-42.
- Sameni, J., Krigstin, S.G., Derval dos Santos Rosa, Leao, A. and M. Sain. 2014. Thermal Characteristics of Lignin Residue from Industrial Processes. *Bioresources* 9(1), Feb 2014.
- Krigstin, S.G., Tchorzewski, J., Hayashi K. and S. Wetzel. 2012. Current Inventory and Modelling of Sawmill Residues in Eastern Canada. *Forestry Chronicle* 88(5): 626-635.
- Gupta, G., Wetzel, S., Volpe, S. and S. Krigstin. 2011. Enhancing the value of forest harvest residue by fractionation; raw material for particleboard and energy applications. Submitted for review *Biomass and Bioenergy* April 2011.
- Levin, R., Krigstin, S. and S. Wetzel. 2011. Biomass Availability in eastern Ontario for Bioenergy and Wood Pellet Initiatives. *The Forestry Chronicle* 87(1):33-39.
- Krigstin, S.G. and Sain, M. 2008. Determination of the mineral constituents of recycled paper mill sludge. *TAPPI Journal*. v 7, n 6, p 9-14.
- Krigstin, S.G. and Sain, M. 2007. The fractionation of dry recycled papermill sludge to higher value components. *Journal of Biobased Materials and Bioenergy*. v 1, n 3, p 315-322.
- Krigstin, S. and M. Sain. 2006. Characterization and potential utilization of recycled paper mill sludge. *Pulp and Paper Canada*. v 107, n 5, p 29-32.
- Krigstin, S.G., K. Wong and D.N. Roy. 1993. The Contribution of the Chemical Components in Juvenile Hybrid *Salix* spp. To its total energy output. *Wood Science and Technology* 27:309-320.

### **Book Chapter**

Krigstin, S.G., Levin, R, and S. Wetzel. 2011. Greening the Urban Grid: Bioenergy for the Urban Environment, Chapter 25 in Handbook of Metropolitan Sustainability. Woodhead Publishing.