

List of publications

Please note that my former name is Linda M. Gustafsson.

Doctoral thesis

- I. **Tufvesson L (2010)** Environmental assessment of green chemicals – LCA of bio-based chemicals produced using biocatalysis, PhD thesis, Environmental and Energy System Studies, Lund University, Lund.

Peer-reviewed publications

- II. Petersson A E V, **Gustafsson L M**, Nordblad M, Börjesson P, Mattiasson B, Adlercreutz P (2005) Wax esters produced by solvent-free energy-efficient enzymatic synthesis and their applicability as wood coatings, *Green Chemistry* 12(7), 837-843.
- III. **Gustafsson L M**, Börjesson P (2007) Life Cycle Assessment in Green Chemistry – Comparison of various industrial wood surface coatings, *International Journal of Life Cycle Assessment*, 12(3), 151-159.
- IV. Hatti-Kaul R, Törnvall U, **Gustafsson L M**, Börjesson P (2007) Industrial biotechnology for production of bio-based chemicals – a cradle to grave perspective, *Trends in Biotechnology*, 26(3), 119-124.
- V. **Tufvesson L M**, Börjesson P (2008) Life Cycle Assessment in Green Chemistry - Wax production from renewable feedstock using biocatalysts instead of using fossil feedstock and conventional methods, *International Journal of Life Cycle Assessment*, 13(4) 328-338.
- VI. Törnvall U, **Tufvesson L**, Börjesson P, Hatti-Kaul R (2009) Biocatalytic production of fatty epoxides from rapeseed & tall oil derivatives: Process & environmental evaluation, *Industrial Biotechnology*, 5(3), 184-192.
- VII. Börjesson P, **Tufvesson L M** (2011) Agricultural crop based biofuels – resource efficiency and environmental performance including direct land use changes, *Journal of Cleaner Production*, 19, 108-120.
- VIII. **Tufvesson L M**, Tufvesson P, Woodley J M, Börjesson P (2013) Life cycle assessment of green chemicals – overview of key parameters and methodological concerns, *International Journal of Life Cycle Assessment*, 18, 2, 431-444.
- IX. Ramos J L, **Tufvesson L**, Tufvesson P, Woodley J (2012) Measuring the eco-efficiency of bioprocesses, *ChemBioChem*, 3, 9-11.
- X. **Tufvesson L**, Lantz M, Börjesson P (2013) Environmental performance of biogas produced from industrial residues including competition with animal feed – life-cycle calculations according to different methodologies and standards, *Journal of Cleaner production*, 53, 214-223.

- XI. Tufvesson P, Ekman A, Sadari R, Engdahl K, **Tufvesson L** (2013) Economic and environmental assessment of propionic acid production by fermentation using different renewable raw materials, accepted for publication in Bioresource Technology.

Technical reports

- I. **Gustafsson L** (2004) Evaluation of the Environmental Work at Ringhals Nuclear Power Plant – After the implementation of a Certified Environmental Management System, Master thesis, written in Swedish, Environmental and Energy System Studies, Faculty of Engineering, Lund University.
- II. Börjesson P, **Tufvesson L**, Lantz M (2010) Life cycle assessment of Swedish biofuels, report no. 70, Environmental and Energy System Studies, Lund University, Faculty of Engineering.
- III. Engdahl K, **Tufvesson L**, Tufvesson P (2011) Bioraffinaderi Öresund – potentialstudie för produktion av kemikalier och bränsle, Environmental and Energy System Studies, Lund University, Faculty of Engineering.
- IV. Engdahl K, Möller-Karlsen M, **Tufvesson L**, Tufvesson P (2012) Economic and environmental performance of renewable chemicals and materials, Environmental and Energy System Studies, Lund University, Faculty of Engineering.
- V. **Tufvesson L**, Lantz M (2012) Livscykelanalys av biogas från restprodukter, report no. 76, Environmental and Energy System Studies, Lund University, Faculty of Engineering.
- VI. **Tufvesson L**, Lantz M, Björnsson L (2013) Miljönytta och samhällsekonomiskt värde vid production av biogas från gödsel, report no. 86, Environmental and Energy System Studies, Lund University, Faculty of Engineering.
- VII. Staffas L, **Tufvesson L**, Svenfelt Å, Åström S, Torén J, Arushanyan Y (2013) Alternative sources for products competing with forest based biofuel – A pre-study. Report No 2013:10, f3 The Swedish Knowledge Centre for Renewable Transportation Fuels and Foundation, Sweden.