

## Design and evaluation of biorefinery concepts

In this research, various lignocellulosic biorefinery concepts has been evaluated with different level of modelling, scope and indicators so that the most interesting processes in the preliminary studies could be selected for a more rigorous further analysis. This enabled screening of a large number of process routes and raw materials.

*Researcher: PhD Kristian Melin*

### Project-related publications:

Melin, K. (2018) Design and evaluation of biorefinery concepts, Doctoral thesis. Aalto University. 193 p.

Sipponen, M.H., Özdenkçi, K., Muddassar, R.H., Melin, K., Golam S., Oinas, P. (2016), Hydrothermal liquefaction of softwood: Selective chemical production under oxidative conditions, ACS Sustainable Chem. & Engng 4, 3978.

