

# **Scientific publications regarding ABOWE Biorefinery results**

June 2023

Den Boer, E.; Łukaszewska, A.; Kluczkiewicz, W.; Lewandowska, D.; King, K.; Jääskeläinen, A.; Heitto, A.; Laatikainen, R.; Hakalehto, E. 2016a. Biowaste conversion into carboxylate platform chemicals. In: Hakalehto, E. (Ed.) Microbiological Industrial Hygiene. Nova Science Publishers, Inc., New York, USA.

Den Boer, E.; Łukaszewska, A.; Kluczkiewicz, W.; Lewandowska, D.; King, K.; Reijonen, T.; Kuhmonen, T.; Suhonen, A.; Jääskeläinen, A.; Heitto, A.; Laatikainen, R.; Hakalehto, E. 2016b. Volatile fatty acids as an added value from biowaste. *Waste Manag.* 2016; 58, 62-69.

Hakalehto, E. and Jääskeläinen, A. 2017. Reuse and circulation of organic resources and mixed residues. In: Dahlquist, E., and Hellstrand, S. (Eds.) Natural resources available today and in the future: how to perform change management for achieving a sustainable world. Springer Verlag, Dordrecht, Germany.

Hakalehto, E.; Heitto, A.; Suhonen, A.; Jääskeläinen, A. 2016a. ABOWE Project Concept and Proof of Technology. In Hakalehto, E. (Ed.) Microbiological Industrial Hygiene. Nova Science Publishers, Inc., New York, USA.

Hakalehto, E.; Heitto, A.; Niska, H.; Suhonen, A.; Laatikainen, R.; Heitto, L.; Antikainen, E.; Jääskeläinen, A. 2016b. Forest industry hygiene control with reference to waste refinement. In Hakalehto, E. (Ed.) Microbiological Industrial Hygiene. Nova Science Publishers, Inc., New York, USA.

Hakalehto, E.; Heitto, A.; Andersson, H.; Lindmark, J.; Jansson, J.; Reijonen, T.; Suhonen, A.; Jääskeläinen, A.; Laatikainen, R.; Schwede, S.; Klintenberg, P.; Thorin, E. 2016c. Some remarks on processing of slaughterhouse wastes from ecological chicken abattoir and farm. In: Hakalehto, E. (Ed.) Microbiological Industrial Hygiene. Nova Science Publishers, Inc., New York, USA.

Hakalehto, E.; Adusei-Mensah, F.; Heitto, A.; Jääskeläinen, A.; Kivelä, J.; Den Boer, J.; Den Boer, E. 2022. Fermented foods and novel or upgraded raw materials for food commodities by microbial communities. In: Hakalehto, E. (Ed.) Microbiology of Food Quality - Challenges in Food Production and Distribution During and After the Pandemics. Berlin, Boston: De Gruyter, 2022.

Jääskeläinen, A.; Rissanen, R.; Jakorinne, A.; Suhonen, A.; Kuhmonen, T.; Reijonen, T.; Antikainen, E.; Heitto, A.; Hakalehto, E. 2016. How Does Modern Process Automation Understand the Principles of Microbiology and Nature. The 9th Eurosim Congress on Modelling and Simulation. 12-16 September, 2016, Oulu, Finland.

Jääskeläinen, A.; Suhonen, A.; Antikainen, E.; Heitto, L.; Heitto, A.; Hakalehto, E. 2017a. Different Microbial and Other Pollution Effects of the Sulfite and Kraft Processes in Pulp Making. In Hakalehto, E. (Ed.) Microbiological Environmental Hygiene. Nova Science Publishers, Inc., New York, USA.

Jääskeläinen, A. and Hakalehto, E. 2017b. Biorefinery education as a tool for teaching sustainable development. In: Leal, W. (Ed.) Implementing Sustainability in the Curriculum. Springer International Publishing, Cham, Germany.

Jääskeläinen, A.; Heitto, A.; Den Boer, E.; Laatikainen, R.; Schwede, S.; Thorin, E.; Dahlquist, E.; Hakalehto, E. 2017c. ABOWE piloting and proof-of-technology in circulating agricultural, forest and food industry side streams. Poster in International Conference on Environmental Indicators, Helsinki, 1.-5.8.2017. International Society of Environmental Indicators.

Laatikainen, R.; Laatikainen, P.; Hakalehto, E. 2016. Quantitative quantum mechanical nmr analysis: The superior tool for analysis of biofluids. In Proceedings of the 1st Int. Electron. Conf. Metabolomics, 1–30 November 2016; Sciforum Electronic Conference Series, Vol. 1, C005; doi:10.3390/iecm-1-C005

Schwede, S.; Thorin, E.; Lindmark, J.; Klintenberg, P.; Jääskeläinen, A.; Suhonen, A.; Laatikainen, R.; Hakalehto, E. 2017. Using slaughterhouse waste in a biochemical based biorefinery -results from pilot scale tests. Environmental Technology 2017; 10, 1275-1284.