

## Publications

### Refereed Publications

1. Sara Walton, Adriaan van Heiningen and G. Peter van Walsum. 2010: Production of lactic acid from hemicellulose extracts by *Bacillus coagulans* MXL-9. *Journal of Industrial Microbiology & Biotechnology*. 37(8), 823-830.
2. Sara Walton, Dwane Hutto, G. Peter van Walsum and Adriaan van Heiningen. 2010: Pre-extraction of hemicelluloses from hardwood chips using an alkaline wood pulping solution followed by Kraft pulping of the extracted wood chips. *Ind. Eng. Chem. Res.* 49(24), 12638-12645.
3. Sara Walton, Adriaan van Heiningen and G. Peter van Walsum. 2010: Inhibition effects on fermentation of hardwood extracted hemicelluloses by acetic acid and sodium. *Bioresource Technology*. Vol. 101, Issue 6, 1935-1940.

### Conference Proceedings

1. Sara Walton, G. Peter van Walsum, and Adriaan van Heiningen. 2009: Fermentation of near-neutral pH extracted hemicellulose derived from northern hardwood. Accepted to the peer-reviewed proceedings of the **8<sup>th</sup> World Congress on Chemical Engineering**.

### Oral Presentations

1. Fermentation of hemicellulose extracted from wood into lactic acid by *Bacillus coagulans* MXL-9. S. Walton, A. van Heiningen and G.P. van Walsum. EPNOE conference: Polysaccharides as a Source of Advanced Materials. Turku, Finland, September 21-24, 2009.
2. Hemicellulose pre-extraction of hardwoods with water in a continuous mixed batch reactor. X. Chen, S. Walton and A. van Heiningen. 8<sup>th</sup> World Congress of Chemical Engineering, Montreal, Quebec, August 23-27, 2009.