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Starch modifications in supercritical CO₂

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List of Publications

1. **Muljana, H.**, Heeres, H. J., & Janssen, L. P. B. M. (2007). Green starch conversions : Studies on starch acetylation in supercritical CO₂. In *European Congress of Chemical Engineering 6*.(pp. 1045-1046). Copenhagen, Denmark (*oral presentation*).
2. **Muljana, H.**, Picchioni, F., Heeres, H. J., & Janssen, L. P. B. M. (2008). Green starch conversions : Studies on starch acetylation in supercritical CO₂.In *International Symposium on Chemical Reaction Engineering 20*.(pp. 26-28). Kyoto, Japan (*oral presentation*).
3. **Muljana, H.**, Picchioni, F., Heeres, H. J., & Janssen, L. P. B. M. (2009). Supercritical carbon dioxide (scCO₂) induced gelatinization of potato starch. *Carbohydrate Polymers*, 78, 511-519.
4. **Muljana, H.**, Picchioni, F., Heeres, H. J., & Janssen, L. P. B. M. Green starch conversions : Studies on starch acetylation in densified CO₂. *Carbohydrate Polymers*, *Submitted*.
5. **Muljana, H.**, Picchioni, F., Heeres, H. J., & Janssen, L. P. B. M. Experimental and modeling studies on the solubility of sub- and supercritical carbon dioxide (scCO₂) in potato starch and derivatives. *Polymer Engineering and Science*, *Submitted*.
6. **Muljana, H.**, van der Knoop, S., Picchioni, F., Heeres, H. J., & Janssen, L. P. B. M. Synthesis of fatty acid starch esters in supercritical carbon dioxide. *Carbohydrate Polymers*, *Submitted*.
7. **Muljana, H.**, Picchioni, F., Heeres, H. J., & Janssen, L. P. B. M. Process-product studies on starch acetylation reactions in pressurised carbon dioxide. *Starch*, *Submitted*.
8. **Muljana, H.**, Picchioni, F., Knez, Z., Heeres, H. J., & Janssen, L. P. B. M. Insights in starch acetylation reactions in sub- and supercritical carbon dioxide *Biomacromolecules*, *Submitted*.
9. **Muljana, H.**, van der Knoop, S., Picchioni, F., Heeres, H. J., & Janssen, L. P. B. M. (2010). Synthesis of fatty acid starch esters in supercritical CO₂. In *International Conference Polymer Processing and Characterization- 2010 (ICPPC)*. Kottayam, Kerala, India (*oral presentation*).
10. **Muljana, H.**, Picchioni, F., Heeres, H. J., & Janssen, L. P. B. M. (2010). Acetylation of starch in supercritical CO₂. In *Starch Convention*. Detmold, Germany (*oral presentation*).