

2011

Patents, Journal Publications & Presentations

Books and Journals

1. Aita, G., Salvi, D. and Walker, M. (2011). Enzyme hydrolysis and ethanol fermentation of dilute ammonia pretreated energy cane. *Bioresource Technology*. 102, 6: 4444-4448.
2. Aita, G. and Madsen, L. (2011). Added value through bioplastics from sugarcane. Annual ASI Factory Operations Seminar. Apr 19.
3. Kochergin, V. (2011). Summary report of funded proposals from the 2010 grinding season. , *Sugar Bulletin*, 89, 7: 11-12.
4. Kochergin, V. and Gaudet, C. (2011). A Juice Clarifier with Turbulence Reduction Devices-Results of First Industrial Trials. *Int.Sugar J.*, 113, 1349: 348-355.
5. Madsen, L. and Day, D. (2011). Iron Mediated Clarification and Decolourisation of Sugarcane Juice. *Int. Sug. J.* 113, 1349: 335-342.
6. Madsen, L. and Verret, C. (2011). The 2010 Molasses Survey and the Effect of Starch on TPD. Annual ASI Factory Operations Seminar. Apr 19.
7. Madsen, L. and Day, D. (2011). The Negative Impact Potential of Starch in the Sugar Factory: A Case Study. Annual ASI Factory Operations Seminar. Apr 19.

Posters and Presentations

1. Moreno, R., Aita, G., Gutierrez, D., Yao, S., Hurlburt, B. and Brashear, S. (2011). Identification of naturally isolated microalgae used for biofuel production by PCR amplification of 16S and 18S rRNA genes. Annual Meeting. Society of Industrial Microbiologists, New Orleans, La. Jun 24-28.
2. Cao, S., Aita, G. and Walker, M. (2011). Impact of surfactants on dilute ammonia pretreatment of sugarcane bagasse. Annual Meeting. Society of Industrial Microbiologists, New Orleans, La. Jun 24-28.
3. Qiu, Z., Aita, G. and Walker, M. (2011). Effect of ionic fluid-pretreated energy cane bagasse on enzyme hydrolysis. Annual Meeting Institute of Food Technologists. New Orleans, La. Jun 11-14.
4. Aita, G., Kim, M., Walker, M. and Day, D. (2011) Mild alkaline pretreatment of sugarcane bagasse during storage. Symposium on Biotechnology for Fuels and Chemicals, SIM. Seattle, Wa. May 2-5.
5. Aita, G. and Kanitkar, A. (2011). Added value through bioplastics from sugarcane. Annual ASI Factory Operations Seminar. Apr 19.
6. Lohrey, C. and Kochergin, V. (2011). Co-location of Algae Production Facilities and Sugarcane Mills for Commercial Biodiesel Production. National Algae Association Conference. Woodlands, Tx. Jan 13-14.
7. Kochergin, V., Gaudet, C., Acevedo, L., King, D., Willis, C. and Giraud, J. (2011). New LLT Clarifier: Lessons learned During Second Operational Season. Annual Meeting ASSCT, Louisiana Division. Lafayette, La. Feb 8-9.
8. Kochergin, V. and Lohrey, C. (2011). Heat Release from Raw Sugar Piles. Annual Meeting ASSCT, Louisiana Division. Lafayette, La, Feb 8-9.
9. Dolan, N., Goudeau, S. and Kochergin, V. (2011). Performance of a Technopulp Belt Filter at Raceland Sugar Mill. Annual Meeting ASSCT, Louisiana Division. Lafayette, La. Feb 8-9.
10. Kochergin, V., Suhr, M. and Lohrey, C. (2011). Utilization of beet sugar factory resources for production of Algal Biodiesel. Biennial Meeting ASSBT. Albuquerque, NM. Mar 2-6.
11. Kochergin, V. and Gaudet, C. (2011). Design of clarifiers with turbulence reduction devices. Biennial Meeting ASSBT. Albuquerque, NM. Mar 2-6.

12. Kochergin, V. (2011). Quality of Raw Sugar and Refining Possibilities in the Beet Sugar Factories. Annual Conference ESST. Bratislava, Slovakia. May 30.
13. Lohrey, C. and Kochergin, V. (2011). Heat Release from Raw Sugar Piles. Joint Annual Meeting ASSCT. New Orleans, La. Jun 8-9.
14. Gaudet, C. and Kochergin, V. (2011). LLT Clarifier Optimization and Performance. Joint Annual Meeting ASSCT. New Orleans, La. Jun 8-9.
15. Madsen, L., Day, D. and Verret, C. (2011). Amylase Efficiency in the Raw Sugar Factory: Discussed in the context of TPD. Annual Meeting ASSCT. Louisiana Division, Lafayette, La. Feb 8-9.
16. Dorman, D. and Madsen, L. (2011). Illuminating Dye-Intercalated Biodegradable Polyester Made from Renewable Feed Stock. LSU-CAMD User Meeting, Baton Rouge, La. Apr 15.
17. Madsen, L. and Marceau-Day, M. (2011). Nanoparticle-Based Radiation Detectors and the Use of Radiation for Nanoparticle Detection. Annual Meeting Health Physics Society. West Palm, FL. Jun 26-30.
18. Marceau-Day, L., Hoover, M., Walker, S. and Madsen, L. (2011). Special Session: Emerging Opportunities for the Interaction(s) of Nanotechnology and Radiation Protection. Annual Meeting Health Physics Society. West Palm, FL. Jun 26-30.

Patents

1. Madsen II, L.R. and Dorman, D.R. (2011). Biodegradable Photolithographic Matrices Made from by-products of the Production of Bio-based Diesel Range Organic Liquid Fuels. US Patent filed.

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