

2008

Patents, Journal Publications & Presentations

1. Birkett, H.; Stein, J. (2008): **Louisiana Mill and Boiler Performance for 2005-07 Crops.** ASI Annual Factory Operations Seminar, p. 1-16, LSU Campus, Baton Rouge, LA, 22 Apr. Presentation
2. Chung, C. H.; Day, D. F.; DeQueiroz, G.; Stradi, B. (2008): **Bagasse Deterioration on Storage.** LA & FL ASSCT Ann. Joint Mtng. 38, Orlando, FL, 18-20 Jun.
3. Chung, C. H. (2008): **Cellulosic Ethanol Production.** Korean J. Biotechnol. Bioeng. 23: 1, 1-7.
4. Chung, C. H.; Day, D. F. (2008): **Cellulosic ethanol production from sugarcane bagasse using lime.** Symp. Biotechnol. Fuels & Chem., 30, New Orleans, LA, 4-7 May.
5. Chung, C. H.; Day, D. F.; DeQueiroz, G.; Stradi, B. (2008): **Bagasse Storage.** ASI Annual Factory Operations Seminar, p. 17-21, LSU Campus, Baton Rouge, LA, 22 Apr. Presentation
6. Day, D. F.; DeQueiroz, G.; Legendre, B. L. (2008): **Turning sugarcane cellulose into ethanol: Energy for the future!** LSU AgCenter, LA Agriculture Magazine 51: 2, Spring.
7. Day, D. F.; DeQueiroz, G.; Chung, C. H.; Kim, M. (2008): **By-Products from Bagasse.** Int. Sugar J. CX: 1309, 7-11.
8. Day, D. F.; Chung, C. H. (2008): **Process for Sugar Production from Lignocellulosic Biomass using Alkali Pretreatment.** Patent Submitted 31 Jan.
9. Day, D. F.; Day, M. L.; Kim, D. (2008): **Synchrotron radiation -a potential tool for radiation biology studies.** Health Phys. Soc.-Radiation Generating Devices, 41st Midyear Topical Mtng., Oakland, CA, 27-30 Jan. Poster
10. Day, D. F. (2008): **Strategies for Improving Bioenergy in the USA.** Bioenergy Korea Conf. 2008 Int. Symp., Gwangju, Korea, 8-9 Apr. Presentation
11. DeQueiroz, G.; Day, D. F. (2008): **Surface decontamination of Bacillus Subtilis Spores.** Lett. App. Microbiol. 46: 186-191.
12. DeQueiroz, G.; Bazan, V.; Ramachandran, T. P.; Legendre, B. L.; Day, D.; Stradi, B. (2008): **Utilization of Fermentable Sugars from Sugarcane Bagasse to Ethanol.** New Orleans Carbohydr. Symp. 15 (NOCS), SPRI, New Orleans, LA, 10-12 Apr.
13. DeQueiroz, G.; Day, D. F.; Legendre, B. L. (2008): **Cellulose to ethanol-energy for the future?** Louisiana Agriculture, 51: 12-13.

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14. Kavas, M. Fusun; Eggleston, G.; Parkin, G.; White, B.; Sezer, G.; Pardoe, K. (2008): **Comparative study of copper reduction, chromatographic and enzymatic methods to determine reducing sugars in molasses.** Zuckerindustrie 133: 3, 129-134.
15. Kim, M.; Day, D. F. (2008): **Response surface methodological approach for optimization of cellobiose production.** Symp. Biotechnol. Fuels & Chem., 30, New Orleans, LA, 4-7 May.
16. Kim, M.; Day, D. (2008): **A New Anti-Fungal With Potential for Smut and Rust Control.** ASI Annual Factory Operations Seminar, p. 23-34, LSU Campus, Baton Rouge, LA, 22 Apr. Presentation
17. Kim, M.; Day, D. F. (2008): **Optimization of oligosaccharide synthesis from cellobiose by dextransucrase.** App. Biochem. Biotechnol. 148: 1-3, 189-198.
18. Kochergin, V. (2008): **VHP production and storage.** ASSCT LA Div. Ann. Mtng., Baton Rouge, LA, 13 Feb.
19. Kochergin, V.; Suhr, M. (2008): **Chromatographic applications for optimized sugar processing.** AVH Assoc. Symp. 15, p 56-62, Reims, France, 27 Mar.
20. Kochergin, V.; Tishechkina, I. (2008): **Seed Preparation Procedures for Low Grade Boiling in Louisiana Mills.** ASSCT LA Div. Ann. Mtng., Baton Rouge, LA, 13 Feb.
21. Kochergin, V. (2008): **Survey of Seed Preparation Procedures and Optimization of Low Grade Boiling.** ASI Annual Factory Operations Seminar, p. 35-36, LSU Campus, Baton Rouge, LA, 22 Apr. Presentation
22. Kochergin, V.; Saska, M. (2008): **Production and Storage of VHP (very high Pol) and VLC (very low color) Sugar.** ASI Annual Factory Operations Seminar, p. 37-42, LSU Campus, Baton Rouge, LA, 22 Apr. Presentation
23. Kochergin, V.; Jacob, W.; Bornak, W. (2008): **Extending life of decolorization resin by aggressive cleaning procedures.** Int. Sugar J. 110, 1313, 305-310.
24. Kochergin, V.; Saska, M. (2008): **Production and storage of VHP and VLC sugar.** [Proc. Sugar Ind. Technol., #944](#), Leipzig, Germany, 25-28 May. Abstract
25. Kochergin, V. (2008): **Influence of Crystal size distribution on sugar mill performance.** LA & FL ASSCT Ann. Joint Mtng. 38, Orlando, FL, 18-20 Jun.
26. Kochergin, V.; Saska, M. (2008): **Production and storage of high qualities.** LA & FL ASSCT Ann. Joint Mtng. 38, Orlando, FL, 18-20 Jun.
27. Madsen, L. R.; Day, D. F. (2008): **Iron as a Decolorizer from Raw Cane Juice.** LA & FL ASSCT Ann. Joint Mtng. 38, 18-20, Orlando, FL, Jun.
28. Madsen, L. R. (2008): **Pilot Test of the Two-Pot Iron Mediated Dual-Clarification Method.** ASI Annual Factory Operations Seminar, p. 43-46, LSU Campus, Baton Rouge, LA, 22 Apr. Presentation

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29. Polanco, L. S.; Verret, C. (2008): **Relationship between Syrup and Final Molasses Exhaustion.** ASI Annual Factory Operations Seminar, p. 63-70, LSU Campus, Baton Rouge, LA, 22 Apr. Presentation
30. Prior, B. A.; Day, D. F. (2008): **Hydrolysis of ammonia pretreated sugar cane bagasse with cellulose, β -glucosidase and hemicellulose preparation.** App. Biochem. Biotechnol. 146: 151-164.
31. Saska, M. (2008): **Molasses Purity and the C-Centrifugal Purity Rise.** ASI Annual Factory Operations Seminar, p. 47-51, LSU Campus, Baton Rouge, LA, 22 Apr. Presentation
32. Saska, M. (2008): **Reduction of Filter Cake Pol.** ASI Annual Factory Operations Seminar, p. 52-54, LSU Campus, Baton Rouge, LA, 22 Apr. Presentation
33. Saska, M.; Goudeau, S.; Dinu, I.; Marquette, M. (2008): **Evaluation of Cane Yard Storage Losses in Green Billet Cane.** ASI Annual Factory Operations Seminar, p. 55-58, LSU Campus, Baton Rouge, LA, 22 Apr. Presentation