

BBRL NEWS:

Shengjun Hu and his wife Yi, announce the birth of their first child, Jeremy! Shengjun recently graduated with his Ph.D. from the Department of Food, Agricultural and Biological Engineering. He is currently studying at the University of Cincinnati for a Master's in Business Analytics. Congratulate Shengjun at hu.314@osu.edu

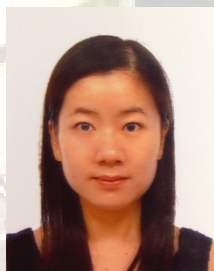
Long Lin began her Ph.D. study in the Environmental Science program. Read the "BBRL Member Spotlight" below for a more detailed description. She is beginning her studies in Wooster.

John Sheets began his Ph.D. study in the department of FABE. He recently received his M.S within the department. He is currently completing coursework requirements in Columbus.



BBRL MEMBER SPOTLIGHT

Long Lin – Long joined the BBRL this month as a Ph.D. student from the Environmental Science program. She is from Fuzhou, in the province of Fujian, China. She has a bachelor degree in Environmental Engineering from Sun Yat-sen University in Guangzhou and a Master of Science from Nanyang Technological University in Singapore. She joined our lab because of her special interests in renewable energy. Her specific interests include anaerobic digestion and the simulation of bioreactors, an area which she gained experience working as a research associate for two years. In her free time, Long enjoys jogging and swimming. Long's husband, Fenglong You, also studies at OSU in the Department of Mathematics.



BBRL RESEARCH

2013 Publications

Cai, T., Ge, X. M., Park, Y. S., Li, Y. B. 2013. Comparison of *Synechocystis* sp. PCC6803 and *Nannochloropsis salina* for lipid production using artificial seawater and nutrients from anaerobic digestion effluent. *Bioresource Technology*, 144:255-260.

Wang, Z. J., Xu, F. Q., Li, Y. B. 2013. Effects of total ammonia nitrogen concentration on solid-state anaerobic digestion of corn stover. *Bioresource Technology*, 144:281-287.

Cai, T., Park S., Siam Racharaks, Li, Y. B. 2013. Cultivation of *Nannochloropsis salina* in anaerobic digestion effluent for nutrient removal and lipid production. *Applied Energy*. 108 (2013) 486-492.

Canam, T., Dumonceaux, T. J., Record E., Li, Y. B. 2013. White Rot Fungi: The key to sustainable biofuel production? *Biofuels* 4(3):247-250.

Luo, X. L., Hu, S. J., Zhang, X., Li, Y. B. 2013. Thermochemical conversion of crude glycerol to biopolyols for the production of polyurethane foams. *Bioresource Technology* 139:323-329.

Shi, J., Wang Z. J., Stiverson, J. A., Yu, Z. T., Li, Y. B. 2013. Reactor performance and microbial community dynamics during solid-state anaerobic digestion of corn stover at mesophilic and thermophilic conditions. *Bioresource Technology*. 136:574-581

Cai, T., Park, S., Li, Y. B. 2013. Nutrient recovery from wastewater streams by microalgae: status and prospects. *Renewable and Sustainable Energy Reviews* 19: 360-369.

Cherosky P., Li, Y. B. 2013. Hydrogen sulfide removal from biogas by bio-based iron sponge. *Biosystems Engineering* 114:55-59

Xu, F. Q., Shi, J., Lv, W., Yu, Z. T., Li, Y. B. 2013. Comparison of different liquid anaerobic digestion effluents as inoculum and nitrogen sources for solid-state batch anaerobic digestion of corn stover. *Waste Management* 33: 26-32.

Wan, C. X. and Li, Y. B. 2013. Solid-state biological pretreatment of lignocellulosic biomass for biofuel production. In "Green biomass pretreatment and processing methods for bioenergy production". Edited by Gu, Tingyue. Netherlands: Springer. 67-86.

Under review

Hu, S. J, Luo, X. L., Li, Y. B. 2013. Polyols and Polyurethanes from the Liquefaction of Lignocellulosic Biomass. *ChemSusChem*.

Zheng, Y., Zhao, J., Xu, F. Q., Li, Y. B. 2013. Pretreatment of lignocellulosic biomass for enhanced biogas production. *Progress in Energy and Combustion Science*:

Sheets, J., Ge, X. M., Park, Y. S., Li, Y. B. 2013. Effect of outdoor conditions on *Nannochloropsis salina* cultivation in artificial seawater using nutrients from anaerobic digestion effluent. *Applied Energy*.

Upcoming events, deadlines, or grants

- 8/31: Late Fee Payment Penalty increase for AU semester
- 9/07: Re-enrollment Fee begins
- 9/13: Last day to drop course without receiving "W" on record
- 9/30-10/3 -Algae Biomass Summit

Editors

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