

ABE Alumni E-News - Fall Edition - October 31, 2013

Soupir looks to prevent human exposure to water-borne pathogens

Integrated crop and livestock systems utilize manure as an organic source of fertilizer, but within this manure are bacteria that may contaminate water bodies if transported off the field by rain. Iowa State University professor Michelle Soupir describes her field and lab studies of bacterial movement from manure to soil to water, as well as the survival of potentially disease-causing bacteria that are resistant to antibiotics used to treat livestock and humans.

For the full story, [click here](#).

For the Leopold Center video, [click here](#).



Grad student works to revolutionize grain storage, eliminate pesticides

Maize is a chief source of nutrition for about 900 million of the world's poorest consumers and about one-third of all malnourished children, but poor grain storage can cut the amount of available maize in half. That's why Denis Bbosa is at Iowa State studying new methods of safely storing grains.

Bbosa, a graduate assistant for research in agricultural and biosystems engineering, came from Uganda to get his master's degree at Iowa State and began studying grain storage with his adviser, Tom Brumm, associate professor of agricultural and biosystems engineering.

To read the full story, [click here](#).



Biorenewables Complex Construction



Check out the latest pictures of ABE's new home on our [Flickr](#) site!

Want to advance in your career?

Consider a certificate in Occupational Safety.

Every manager has occupational safety responsibilities. The certificate program prepares technically-oriented managers to meet professional safety responsibilities. The [Occupational Safety Certificate](#) provides current employees who have management and/or safety responsibilities (and a baccalaureate degree) with desired professional development and recognition of their increased professional knowledge and skills.

Alumni in the Media

- [Alumnus and family honored for conservation work](#)
 - [Alumnus works to keep Fairbank golf course going strong](#)
-

Departmental Events



For pictures of the omelet breakfast, construction worker BBQ, the faculty and staff tour of the new Biorenewables Complex, and more, check out our albums on Facebook and Flickr.

Cyclone Power Pullers Survey

The Cyclone Power Pullers A-Team is hard at work designing their 2014 tractor. To help them make concrete design decisions, they have created a customer survey to receive feedback. [Survey](#) takes approximately five minutes to complete.

[Class Highlights](#)



A round of applause goes to:

- [Dr. Amy Kaletia-Forbes](#)
- [The ABE Department - Ranked 4th in Nation](#)
- [Dr. Stuart Birrell](#)
- [Kwang Ho Kim](#)
- [Tyler Krug & the ISU Livestock Judging Team](#)
- [Dr. Raj Raman](#)
- [Dr. John Downing](#)
- Yang Zhao - ASABE Outstanding Reviewer for 2012 Publications

More ABE news

- [Howard Winneshiek Community Schools tour ABE \(pg. 5-6\)](#)
- [ADM donates \\$355,000 to Biorenewables Complex](#)
- [Water Rocks! official campaign launch](#)
- [ISU in the forefront of air emissions research at midwest swine facility](#)
- [ABE first at Iowa State to successfully utilize digital repository](#)
- [Xin named to USDA Agricultural Air Quality Task Force](#)
- [Darr recognized for notable career achievement by ASABE](#)
- [International visits highlight current egg industry center research and issues](#)
- [As enrollment climbs, CALS and ABE take steps to ensure student success](#)
- [Biological Systems Engineering newly accredited, Agricultural Engineering reaccredited](#)
- [Hoff researches cause of pit foaming](#)
- [ISU professor's ethanol byproduct fungi could feed the world](#)
- [Experienced firefighters are more analytical under stress than novices, according to ISU study](#)
- [Industrial technology offers second chance for success](#)

Mark your calendars!

- **November 7** - [Retirement Party for Barb Kalsem](#)
- **December 10** - [Graduation Reception](#)
- **December 13** - [Retirement Party for Tom Glanville](#)

- For an up-to-date list of Departmental Events, [click here](#).

E-News schedule

ABE Alumni E-News is published on a quarterly basis. The next issue will be published January 31, 2013. If you have news items or event dates to include, please send them to Dana Woolley by January 15.

Connect with us

For more pictures of the stories featured in this E-News letter, check out our Facebook and Flickr pages.



ABE @ ISU is distributed by the Department of Agricultural and Biosystems Engineering.

If you have questions or news items to suggest, please contact Dana Woolley at dwoolley@iastate.edu.
100 Davidson Hall, Ames, IA 50011, 515 294-1434, abe@iastate.edu.

Copyright © 2013, Iowa State University of Science and Technology. All rights reserved.

You are receiving this email as an alumni of the Department of Agricultural and Biosystems Engineering at Iowa State University.

[Unsubscribe](#)

This email was sent to << Test Email Address >>

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)

Department of Agricultural and Biosystems Engineering · 100 Davidson Hall · Ames, Ia 50011 · USA

The MailChimp logo, featuring the word 'MailChimp' in a white, cursive font on a grey rounded rectangular background.