



Friday Notes
from
MSSTATE Poultry Science

Friday Notes - to keep you informed about noteworthy news from Poultry Science at Mississippi State....and let us hear from you as well!

***Poultry Science Department News:
Faculty, Staff, and Student Travel and Activities.***

- **Dr. Tabler** met with BankPlus personnel in Ellisville and Collins to evaluate two broiler farms, March 6.
- **Dr. Tabler** toured broiler farms under construction with Taylorsville Poultry, March 7
- **Drs. Beck** and **Tabler** participated in the MS Board of Animal Health, Jackson, March 8
- **Drs. Beck** and **Tabler** and **Ms Wooten** and **Mrs Christensen** attended the MS Egg Marketing Board's annual Legislative Lunch at the Galloway Methodist Church, Jackson, March 8
- **Dr. Tabler** visited a Koch broiler farm, Kosciusko, to assess LED lights and foot candle levels, March 9.

Save the Date!

Poultry Science Annual Crawfish Boil...March 24!



2017 MSU Poultry Science Crawfish Boil

Date: Friday, March 24th

Time: 3:00 pm

MSU Baseball game begins at 6:30 pm at Dudy-Noble Field

Location: Hill Poultry Science Building parking lot

Come join us for great fun and fellowship!
We hope to see you there!



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DEPARTMENT OF
POULTRY SCIENCE

Running Cumulative List of Scientific and Extension Publications, 2017

- **Tom Tabler**, F. Dustan Clark, and **Jessica Wells**, "Choosing the right breed of backyard poultry."
<http://extension.msstate.edu/sites/default/files/publications/publications/p3036.pdf>

Abstracts presented at the IPSF, Jan 30-Feb 3, 2017; complete abstracts may be found at <http://southernpoultrysciencesociety.org/pdfs/2017AbstractBook.pdf>

- **Tomi Obe**, MS grad student with **Dr. Kiess** (originally with **Dr. Sharma**), for winning a **Graduate Student Award of Excellence** for her presentation at the IPSF entitled, "*Homologous stress adaptation, antibiotic resistance, and biofilm formation of Salmonella Heidelberg on different food-contact surfaces following exposure to sub-lethal chlorine concentrations*," **Tomi Obe, Rama Nannapaneni, Chander Sharma**; Jan 31.
- **Mohit Bansal**, MS grad student with **Dr. Kiess** (originally with **Dr. Sharma**), for winning a **Graduate Student Award of Excellence** for his presentation at the IPSF entitled, "*Influence of chlorine induced sub-lethal oxidative stress on homologous stress adaptation and biofilm formation in Listeria monocytogenes*," **Mohit Bansal, Rama Nannapaneni, Chris McDaniel, Chander Sharma**; Jan 31.
- **Midian Nascimento dos Santos***GS, **Reshma Ramachandran, Kelley Wamsley, Aaron Kiess, Christopher McDaniel**, "*The impact of a dietary yeast fermentation product derived from Saccharomyces cerevisiae on semen quality and semen microbiota of aged White Leghorn roosters*"; Midian is an MS grad student with **Dr. McDaniel**
- **Reshma Ramachandran***, **Midian Nascimento Dos Santos, Christopher McDaniel**, "*Relationship between sperm-egg penetration and the duration of fertility in Chinese painted quail hens (Coturnix chinensis)*"; Reshma is a PhD grad student with **Dr. McDaniel**
- **Mary Beck***, **G. Tabler, Kelley Wamsley, Aaron Kiess**, "*MSU Poultry Science takes New Zealand!*"
- **Oluwaseun Durojaye***, **Katie Elliot, Edgar Peebles**, "*Air cell size profile and its relationship to eggshell temperature and water loss in broiler hatching eggs through day 12 of incubation*"; Seun is an MS grad student with **Dr. Peebles**.
- **Dana Dittoe***, **Chris McDaniel, Aaron Kiess** "*Effects of lactic acid bacteria and organic acids on the concentration of an antibiotic resistant strain of Salmonella Heidelberg, in vitro*"; Dana is an MS grad student with **Dr. Kiess**
- **Claudia Castaneda***, **Omar Gutierrez, Christopher McDaniel, Aaron Kiess**. "*In vitro evaluation of seven commercially available Bacillus spp based probiotic supplements and one Saccharomyces cerevisiae based prebiotic supplement and their effects on an antibiotic resistant strain of Salmonella Heidelberg*"; Claudia is an MS grad student with **Dr. Kiess**
- **Kacey O'Donnell***, **Xi Wang, Kelley Wamsly, Aaron Kiess, E. Peebles, Wei Zhai**. "*Effects of replacing antibiotics and anticoccidials with probiotics in broiler diets on growth performance*"; Kacey is an MS grad student with **Dr. Zhai**
- **Chrysta Beck***, **Pedro Mota, Kelley Wamsley, Christopher McDaniel, Aaron Kiess** "*Proving the concept that commercial in ovo delivery of a prebiotic and probiotics can positively impact broiler performance*"; Chrysta is an undergrad student working with **Dr. Kiess**
- **Alfred Blanch***, **Line Skjoet-Rasmussen, Elke Brockmann, Jannie Schnabl, Mickael Rouault, Dorthe Sandvang, Frank Jin, Aaron Kiess**, "*Confirmation of the presence of Enterococcus faecium M74 in the gastrointestinal tract of young chicks from eggs*

- inoculated with GalliPro Hatch*"
- **Oluwaseun Durojaye***, **Edgar Peebles** '*Relationships of eggshell thickness to thermal gradients across the shell at the large and equatorial regions of embryonated broiler hatching eggs*'; Seun is an MS grad student with **Dr. Peebles**
 - **Na Dong***, **Xi Wang**, **Wei Zhai** "*Effects of various levels of low-fat distiller's dried grains with solubles on intestinal developments of broilers from 28 to 54 days of age*"
Dr. Dong is a visiting scientist working **Dr. Zhai**
 - **Edgar Peebles**, Tiago Oliveira, Antonio Bertechini, Elizabeth Kim, Opeyemi Olojede, **Sharon Womack**, Patrick Gerard, "Effects of post-hatch holding time before placement on broiler body temperature during grow-out."

USDA-ARS Poultry Research Unit Publications: