



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** held composting mortality workshops for Tyson and Koch growers at Magee, Feb. 15 (accompanied by Dr. Yang Zhao, ABE) and 16 (accompanied by **Abdul Alqtani**, PhD graduate student with **Dr. Kiess**).
- **Drs. Wamsley** and **Beck**, and **Jonathan Moon**, met with representatives of Mouat Engineering and SchutteBuffalo Equipment to discuss feed mill options, Feb 16.
- **Dr. Tabler** met with members of the MS Farm Bureau Federation, MPA, Corn Board, and Wayne Farms to discuss corn supplies in Mississippi, Feb 17
- **Mrs. Wells** participated in the Jones County Career Days in Laurel, Feb. 17

Condolences to...

- * **Dr. Aaron** and Erin **Kiess**, on the death of his aunt in West Virginia, Feb. 7.

Running Cumulative List of Scientific and Extension Publications, 2016

- **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: