



## 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 a representative of a sawmill to discuss selling shavings to poultry growers, Feb. 28
- **Dr. Tabler** visited a Peco breeder farm at Noxapater to discuss management strategies, March 1
- **Dr. Beck** attended the inaugural CALS Advisory Board dinner at Hunter Henry Alumni Center with members (Cal-Maine, Koch, BankPlus, Peco) of the Poultry Science Advisory Board and others from the CALS departments; and the advisory board breakfast in Bost Extension Building, March 2 and 3.
- **Poultry Science** hosted members of the Advisory Board at Hill Poultry Science for discussions and farm tour, March 3.

### ***Recent Publications:***

- **Sellers, R. B.**, Tillman, P. B., Moritz, J. S., **Wamsley, K. G.S.** (2017). The effects of strain and incremental improvements in feed form on d 28 to 42 male broiler performance. *The Journal of Applied Poultry Research*. <https://dx.doi.org/10.3382/japr/pfw062>

### ***Congratulations to...***

- **Dr. Christina** and **Dr. Chris McDaniel**, on the successful defense of her doctoral dissertation in Education, Feb. 22.

### ***Save the Date!***

#### ***Poultry Science Annual Crawfish Boil...March 24!***



#### **2017 MSU Poultry Science Crawfish Boil**

**Date:** Friday, March 24<sup>th</sup>

**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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### **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:***