



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!

Faculty and Staff Travel and Activities:

- The International Poultry Scientific Forum (IPSF) and International Poultry and Processing Expo (IPPEXPO) were held Jan 27-30 in Atlanta and Mississippi State Poultry Science was well represented.
 - **Highlights from the IPSF:**
 - **Drs. Wamsley and Zhai** chaired Nutrition sessions;
 - **Drs. Tabler and Farnell** and **Ms Wells** served as judges of student presentation competitions;
 - **Dr. Beck** served as Executive Secretary of the Southern Poultry Science Society for the IPSF;
 - The following gave oral or poster presentations (links to the abstracts appear in the list on the last page of the *Notes*):
 - **Bayo Sokale** (PhD student with **Dr. Peebles**)
 - **Cam Cardenas** (MS student with **Dr. Wamsley**)
 - **Priscila Santa Rosa** (MS student with **Dr. McDaniel**)
 - **Divek Nair** (MS student with **Dr. Sharma**)
 - **Xi Wang** (MS student with **Dr. Zhai**)
 - **Ben Sellers** (u.g. presentation; now MS student with **Dr. Wamsley**)
 - **Nayara Pelici** (u.g. intern with **Dr. Peebles**)
 - **Midian Nascimento** (u.g. intern with **Dr. Zhai**)
 - **Rosana Hirai** (u.g. intern with **Dr. Wamsley**)
 - **Dr. Anfang Liu** (visiting scientist with **Dr. Zhai**)
 - **Dr. Wei Zhai**
 - **Highlights from the IPPEXPO:**
 - **Ms Wells** and **Dr. Wamsley** served as advisors for the 14 undergrads who participated in the College Career Program;
 - **Drs. Tabler and Farnell** met with several companies to discuss Extension research plans; they attended the Extension Workshop, the USPEA Environmental Meeting, and the presentation of the USPEA Farm Family Environmental Excellence Award ceremony.
 - **Drs. Wamsley and Beck** met with Tim Lease of WLPort-Land to discuss feed mill strategies and **Dr. Wamsley** met with numerous companies to discuss research ideas.

Congratulations to:

- **Bayo Sokale**, (PhD student with **Dr. Peebles**), whose oral presentation was recognized with a Certificate of Excellence in the Physiology Session.

Condolences to:

- **Yvonne Wooten** and Philip Doss on the loss of Philip's father, Mr. James Harvey Doss, Jan. 29, in Maben.

Running Cumulative List of Scientific and Extension Publications, 2014

- **Tom Tabler**, F. Dustan Clark, Jonathan R. Moyle, Yi Liang, **Jessica Wells**, and **Morgan Farnell**, “Windrow Composting Broiler Litter between Flocks,” <http://msucares.com/pubs/publications/p2818.pdf>.
- C.L. Williams, **G.T. Tabler** and S.E. Watkins, 2013. Comparison of broiler flock daily water consumption and water-to-feed ratios for flocks grown in 1991, 2000-2001, and 2010-2011. J Appl Poultry Research, 22:934-941. <http://dx.doi.org/10.3382/japr.2013-00767>
- Abstracts from the 2014 IPSF: <http://www.ippexpo.org/ipsf/docs/2014%20IPSF%20Abstracts.pdf>
 - M6 Detection of parthenogenesis in mated quail hens and its impact on fertilization
Priscila Santa Rosa*, **Holly Parker**, **Aaron Kiess**, **Chris McDaniel**
 - M9 Physiological responses of broiler hatchlings to commercial in ovo coccidiosis vaccine administered on days 18.5 and 19.0 of incubation
Adebayo Sokale*, **E. David Peebles**, **Wei Zhai**, Timothy S. Cummings, Christopher J. Williams
 - M24 Apparent ileal amino acid digestibility (AIAAD) of various animal by-product blends (ABB) in broilers aged 21 and 42 d of age
Cameron Cardenas*, Elizabeth Kim, Bob Hill, **Kelley Wamsley**
 - M36 Effects of limestone particle size in pullet diets on hen performance, bone mineral density and keel bone deformities in aviaries or conventional cages
Pamela Eusebio-Balcazar*, **Mary Beck**, Sheila Purdum
 - M48 Antimicrobial activity of carvacrol against Salmonella on turkey breast cutlets packaged under modified atmosphere
Divek V. T. Nair*, **Chander Shekhar Sharma**
 - M66 Effects of diet type and nutrient density from day 8 to 21 on bone morphology, breaking strength, and mineral density in male broilers
Xi Wang*, **E. David Peebles**, Mark Bricka, **Wei Zhai**
 - T137 Effects of dietary lysine and methionine supplementation on growth performance and meat yield of male broilers
Wei Zhai*, **E. David Peebles**, Wes Schilling, Yves Mercier
 - P205 Effects of the in ovo injection of 25-hydroxylcholecalciferol on the yolk characteristics of embryonated broiler hatching eggs
Nayara Pelici*, **Wei Zhai**, **Sharon Womack**, **E. David Peebles**
 - P206 Effects of the in ovo injection of 25-hydroxylcholecalciferol on serum calcium and phosphorous concentrations in broiler embryos
Midian Nascimento*, **Wei Zhai**, **Sharon Womack**, **E. David Peebles**
 - P211 Effects of the raising model on semen quality and fertility of male Sichuan White Geese
Anfang Liu*, Mingjun Chen, Jing Zhang, Wang Xi, Jie Liu, Xia Qiu, Hongpeng Ma, Wei Zhai
 - P212 Effects of single nucleotide polymorphism of H-FABP gene on carcass traits in Sichuan White Geese
Anfang Liu*, Shukai Yuan, Jing Zhang, Jie Liu, Xia Qiu, Hongpeng Ma
 - P235 The effect of varying the inclusion of two different anticoccidials into a commercial diet on D0-49 Ross 708 bird performance
Rosana Hirai*, Timothy Cummings, **Kelley Wamsley**
 - P241 Dietary Alterations with Live Coccidiosis Vaccine (LCV) Response and D0-46 Ross 708 Broiler Performance
Robert Sellers*, **Wei Zhai**, Carla Price, Phil Stayer, **Tom Tabler**