



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.

- **Mrs. Wells** participated in MSU's Spring Preview Day, Feb. 18
- **Dr. Tabler** traveled to Peco Farms processing plant, Sebastopol, and to Cal-Maine Headquarters, with a delegation from China hosted by Dr. Yang Zhao, ABE, Feb. 18
- **Dr. Tabler** participated in the North Mississippi R&E Center Producer Advisory Council, Verona, Feb 21
- **Dr. Beck** participated in a DAFVM lunch meeting and farm tour with Congressman Michael Guest and staff, Feb. 21.
- **Dr. Beck** hosted the Poultry Science Processing Advisory Committee at Hill Poultry Science, Feb. 22, with **Dr. Tabler** and **Mr. Moon** also in attendance.
- ***Kudos to...***
 - **Dr. Reshma Ramachandran**, 2018 PhD graduate with **Dr. McDaniel**, whose published manuscript from her dissertation, "Parthenogenesis in birds: A review", was a top downloaded article in 2018 in the journal *Reproduction*.
<http://dx.doi.org/10.1530/REP-17-0728>
 - **Dana Dittoe**, 2018 MS graduate with **Dr. Kiess**, whose published manuscript from her thesis, "Windrowing poultry litter after a broiler house has been sprinkled with water," was a top-10 most-read articles in the *Journal of Applied Poultry Research* in 2018.
<https://doi.org/10.3382/japr/pfx034>
 - **Saman Fatemi**, PhD grad student with **Dr. Peebles**, who passed the preliminary examination, January 10.
- ***Important Milestone...*** Dual Degree Program in Poultry Science between MSU and Alcorn was signed Feb 21 by the respective presidents; **Mrs. Jessica Wells** worked out the details of the curriculum for the MSU component of the agreement.
<https://www.msstate.edu/newsroom/article/2019/02/msu-and-alcorn-partner-offer-poultry-science-dual-degree-program/>



Cumulative List of Scientific and Extension Publications, 2019

- ***Abstracts of Presentations at the IPSF, Atlanta, February 11-12, 2019; these can be accessed at www.ippexpo.org/ispf:***
 - **Chrysta Beck***, **Christopher McDaniel**, **Kelley Wamsley**, G. Pharr, **Aaron Kiess**, “In ovo injection of probiotic bacteria and its influence on the broiler immune system during a coccidia challenge”
 - **Abdulmohsen Alqhtani***, Scott Branton, Jeff Evans, **Katie Elliott**, **David Peebles**, “The effects of in ovo administration of 6/85 Mycoplasma gallisepticum vaccine on layer chicken embryo hatchability and early post-hatch performance “
 - **Andrew Brown***, Mark Lemons, **Christopher McDaniel**, Joseph Moritz, **Kelley Wamsley**, “Determining the average particle size (APS) consumed between two broiler strains (S) receiving diets varying in feed form (FF) and feed quality (FQ) and the subsequent impact on starter performance (0-6 and 0-18 d)”
 - **Courtney Ennis***, Mark Jackson, Omar Gutierrez, Staci Cantley, **Kelley Wamsley**, “Effects of superdosing phytase and use of carbohydrase enzymes in low energy diets on 56 day male broiler performance and processing”
 - **Milan Sharma***, Carlos Domenech, **Pratima Adhikari**, “Effect of feeding pronutrient (Alquernat Nebsui L) on hen day egg production, egg quality and small intestine histomorphology of laying hens. ‘
 - **Bo Zhang***, **Wei Zhai**, “Effects of riboflavin on growth performance, processing yield, and internal organ development of Ross 708 male broilers”
 - **Saman Fatemi***, **Katie Elliot**, Abiodun Bello, Bradley Turner, Haijun Zhang, **Edgar Peebles**, “Effects of the in ovo injection of vitamin D3 and 25-hydroxyvitamin D3 on immunity and small intestine morphology in broilers fed commercial or calcium and phosphorous-restricted diets”
 - **Rosana Hirai***, Leonel Mejia, Cesar Coto, Justina Caldas, **Christopher McDaniel**, **Kelley Wamsley**, “Impact of feeding varying grower digestible lysine and energy levels to female Cobb MV × Cobb 500 broilers on 42-day growth performance and processing yield”
 - **Katie Elliott***, Scott Branton, Jeffrey Evans, **Edgar Peebles**, “Early chick immunity after in ovo vaccination of F strain Mycoplasma gallisepticum and the influence of sex on the response to the vaccination”
 - **Josie Gamble***, **Claudia Castaneda**, **Kelley Wamsley**, **Christopher McDaniel**, **Aaron Kiess**, “In ovo injected Bacillus subtilis probiotic serotypes alter broiler hatchability and intestinal microflora”
 - **Lauren Lindsey***, **Katie Elliott**, **Sayed Fatemi**, **Peter Ishola**, Patrick Gerard, **Edgar Peebles**, “Incubational and embryonic temperature relationships in Ross 708 broiler hatching eggs”