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 coordinated and participated in two Breeder-Hatchery Management Seminars at Pearl, Aug. 14, and at Collins, Aug. 15; Dr. Zhang and Mr. Moon attended the seminar at Collins as well.
- Dr. Tabler visited a Peco breeder farm at Noxapater, August 16.
- Mrs. Wells held an orientation session for transfer students, August 17.

Welcome to…
- Sabin Poudel, new MS grad student from Nepal with Dr. Zhai.
- Dr. Anuraj Theradiyl Sukumar, who joined the department as Research Assistant Professor, August 16.
- Little Mr. Asher Reed Starkey, son of Mrs. Laikyn and Devin Starkey, born August 17 at 12:15pm. Mom and baby are doing well!
Cumulative List of Scientific and Extension Publications, 2018

New at end of 2017:


- **Abstracts of the following presentations at the International Poultry Scientific Forum, Atlanta, GA, Jan 29-30 are available at:**
  
  
  o **Undergraduate Student Presentations at IPSF, Atlanta, GA, Jan 29**
    
    - **Tiffani Allen**, Aaron Kiess, Christopher McDaniel Broiler hatchability following in ovo injection of Lactobacillus animalis or Bacillus licheniformis
    
    - **Chrysta Beck**, Kelley Wamsley, Christopher McDaniel, Aaron Kiess 21 day broiler performance after in ovo injection of individual or multiple probiotic bacteria

  o **Graduate Student Presentations at IPSF, Atlanta, GA, Jan 29**
    
    - **Reshma Ramachandran**, Christopher McDaniel Live pigeon pox virus increases parthenogenesis of in vitro cultured Chinese painted quail eggs
    
    - **Reshma Ramachandran**, Midian Nascimento dos Santos, Christopher McDaniel Live pigeon pox virus vaccination increases parthenogen size in virgin Chinese painted quail (Coturnix chinensis)
    
    - **Andrew Brown**, Omar Gutierrez, **Mark Lemons**, Staci Loop, **Kelley Wamsley** Effects of energy density and enzyme inclusion strategy on 0-60 d Ross x Ross 708 male broiler performance, foot pad dermatitis, woody breast severity, and breast yield.
    
    - **Courtney Ennis**, **Kelley Wamsley** Growth performance and amino acid digestibility coefficients of broilers fed vegetaarian versus conventional diets reared in a research and commercial setting during a 62 day grow-out
      
      - **Note**: Courtney received an Award of Excellence for scientific content and quality of presentation for her poster presentation.

    - **Rosana Hirai**, Leonel Mejia, Cesar Coto, Justina Caldas, Christopher McDaniel, **Kelley Wamsley** Determining the digestible lysine requirement of Cobb MV Â– Cobb 500 male broilers during the first fourteen days of age
    
    - **Rosana Hirai**, Leonel Mejia, Cesar Coto, Justina Caldas, Christopher McDaniel, **Kelley Wamsley** The impact of feeding varying starter digestible lysine levels to Cobb MV Â– Cobb 500 male broilers on growth performance and processing yields
    
    - **Saman Fatemi**, **Katie Collins Elliott**, Abiodun Bello, Oluwaseun Durojaye, Haijun Zhang, Bradley Turner, **E. David Peebles** Effects of in ovo-injected vitamin D3 sources on eggshell temperature and the early post-hatch performance of Ross 708 broilers
    
    - **Seyed Fatemi**, Haijun Zhang, **Katie Elliott**, Oluwaseun Durojaye,
E. David Peebles Effects of in ovo injection of L-ascorbic acid on early growth performance and systemic antioxidant capacity in broiler chickens

- Abdulmohsen Alqhtani*, Tomi Obe, Christopher McDaniel, Aaron Kiess Identifying new antimicrobials that may improve broiler litter quality

- Bo Zhang*, Kacey O'Donnell, Xi Wang, Wei Zhai Effects of antibiotics and probiotic additives on the intestinal morphology of d 28 male broilers

- Kacey O'Donnell*, Wei Zhai Effects of Eimeria challenges and dietary additives on mortality and growth performance of broilers
  - Note: Kacey received an Award of Excellence for scientific content and quality of presentation for her oral presentation

- Claudia Castaneda*, Dana Dittoe, Kelley Wamsley, Christopher McDaniel, Alfred Blanch, Dorthe Sandvang, Aaron Kiess Discovering the optimal concentration of Gallipro Hatch® that enhances broiler hatchability and live performance

- Dana Dittoe*, Claudia Castaneda, Kelley Wamsley, Chris McDaniel, Alfred Blanch, Dorthe Sandvang, Aaron Kiess Changes to the gastrointestinal tract and yolk sac of broilers previously in ovo injected with different concentrations of Gallipro Hatch®

- Faculty Presentations at IPSF, Atlanta, GA, Jan 29
  - Katie Elliott, Scott Branton, Jeffrey Evans, Spencer Leigh, Elizabeth Kim, Hammed Olanrewaju, Gregory Pharr, Sharon Heins-Miller, Donald McIntyre, Hillary Pavlidis, Edgar Peebles* Production and humoral immune effects of dietary Original XPC in layer pullets challenged with Mycoplasma gallisepticum

- E. Peebles*, Hammed Olanrewaju, Scott Branton, Jeffrey Evans, Spencer Leigh, Elizabeth Kim, Gregory Pharr, Katie Elliott Blood variables of commercial egg-laying pullets following a field-strain Mycoplasma gallisepticum challenge


**Oral Presentations, Undergraduate:**

• (#31): **M. Fulton, A. Brown, C. McDaniel** and **P. Adhikari**, “Effect of house type and strain on hen-day egg production, egg quality and tibial bone breaking strength in commercial egg-laying hens in the late phase of production.”

• (#162): **J. Sousa, C. Castaneda**, O Gutierrez, **C. McDaniel** and **A. Kiess**, “In vitro evaluation of six commercially available Bacillus based probiotic supplements and their effects on an antibiotic resistant strain of Clostridium bifermentens.”

**Oral Presentations, Graduate/Faculty:**


  
  o **Note:** This presentation received a Graduate Student Award of Excellence for scientific merit and quality of presentation


**Poster Presentations, Undergraduate:**


• (#409P): **EH Lovelace, B. Zhang** and **Wei Zhai**, “Effects of dietary amino acid reduction on the meat yield of six strains of broilers.” **Presented by B. Zhang**


**Poster Presentation, Graduate:**


• (#479P): **R. Hirai**, L. Mejia, C. Coto, J. Caldas, **C. McDaniel** and **K. Wamsley**, “The impact of varying starter digestible lysine and energy levels on male Cobb MV x Cobb 500 broiler 42 day growth performance and processing parameters.”