Greetings!

The Interdepartmental Food Science Graduate Program is pleased to publish its first newsletter highlighting the scholarship and academic success of graduate students, postdoctoral scientists and the faculty members in the program. Our goal is to publish the newsletter quarterly. We welcome everyone’s contribution towards the continued success of this newsletter. In the first issue, we included articles with complete journal citation information from January 1, 2017 - November 10, 2017. If any information is missing from this issue, it is truly unintentional and will be included in the next issue. Please continue to send information to Mitzi Barnett for future issues.

Sincerely,

Prof. Arun Bhunia
Chair, Interdepartmental Food Science Graduate Program
Peer-reviewed Publications


**Book Chapters**


Presentations


12. **Hayes, AMR, Martinez MM and Hamaker BR.** Investigating the slow digesting property of pearl millet couscous. Cereals17, AACCI Annual Meeting, San Diego, CA, USA. October 8, 2017. (Oral presentation)


Graduated Students with Thesis/Dissertation Titles

Spring 2017

1. Tawfiq Alsulami-MS (Bhunia): Rapid detection and differentiation of Staphylococcus spp. in food samples using optical scattering technology
2. Matthew Bailey-PhD (Singh): Prevalence and antimicrobial resistance of Salmonella and Campylobacter in a poultry facility that processes antibiotic-free broilers using organic and conventional methods
3. Felicia Hall-MS (Liceaga): Functional properties enzymatically hydrolyzed whole crickets (Gryllodes sigillatus)
4. Jonathan Kershaw-PhD (Kim): Piceatannol involvement in mechanisms of cancer cachexia, obesity, and other metabolic disorders
5. Ryan Murphy-PhD (Jones): Production, interfacial behavior, modification and functionality of whey protein microgels
6. Estefania Novoa Rama-MS (Singh): Influence of commercial laying hen housing systems on the prevalence and antimicrobial resistance of Campylobacter from laying hens and eggs
7. Tianming Yao-MS (Janaswamy): Iota-carrageenan and starch matrices as the suitable delivery systems of curcumin and resveratrol

Summer 2017

8. Jay Gilbert-PhD (Jones): Protein Fibrils: Improved stability, nanomechanical analysis, and biomedical applications
9. Kacie Ho-PhD (San Martin): Microwave-assisted extraction of tomato peels and physicochemical stability, in vitro bioaccessibility, and cellular uptake of lycopene-loaded emulsions
10. Marcela Martinez-MS (Bhunia): Light-scattering sensor for detection and identification of indicator bacteria Enterobacteriaceae family for process verification and hygiene monitoring
11. Jordan Oshiro-MS (Kim): Non thesis MS
12. Ajita Sundarram-MS (Oliver): Efficacy of commercial phage based treatment as a control strategy against Listeria spp. in vivo and effect of host characteristics on its lytic capacity in vitro
13. Ying Xie-PhD (Yao): Octenylsuccinate hydroxypropyl phytoglycogen, a potent and non-specific solubilizer for poorly water-soluble active pharmaceutical ingredients
Fall 2017

15. **Ingrid Aragon Gallegos-PhD (San Martin):** Impact of processing of biofortified cassava and peach palm fruits on provitamin A carotenoid recovery and bioaccessibility
16. **Aminata Diatta-MS (Hamaker):** Using corn zein to improve the quality of gluten-free bread
17. **Fang Fang-PhD (Campanella):** Shear-induced ordering of amylopectin dispersion affected by hydrocolloids
18. **Yahya Ismail-MS (Mauer):** Investigating the degradation of amorphous vitamin C in polymeric model systems
19. **Kathryn Johnson-MS (Mauer):** Investigating the effect of controlled relative humidity storage on amylopectin retrogradation in amorphous starch, starch:gluten, and wheat flour models

**Graduate Student/Post Doctorate Achievements/Awards**

1. **Xingjian Bai (Bhunia):** PRF Award
2. **Jose Bonilla Oliva (Kokini):**
   (i) Krannert Applied Management Principles Program
   (ii) 3rd place, Best Student Research Paper Competition
3. **Gabriela Calzada (Liceaga):** Knox Fellowship
4. **James Chapa (Mishra):** Doctoral Fellowship
5. **Fang Fang (Campanella/Hamaker):** 1st place/Megazyme Award, Carbohydrate Division Poster Competition, AACCI Annual Meeting
6. **Kelly Higgins (Mattes):** College of Agriculture Spotlight
7. **Andrew “Drew” Hirsch (Jones):** Finalist, AACC International Student Association Product Development Competition
8. **Kacie Ho (San Martin):** Teaching Academy Graduate Teaching Award
9. **Rachel Jackson (Hamaker):** Ross Fellowship
10. **Simran Kaur (San Martin):** Bilsland Fellowship
11. **Halak Mehta (Mishra):** Lynn Fellowship
12. **Elizabeth Pletsch (Hamaker):** Finalist, Nutrition Division poster competition.
13. **Leigh R. Schmidt (Hamaker):** 1st place, Protein Division poster competition
14. **Shyam Suwal (Huang):** Postdoc Travel Grant Award Spring 2017
15. **Hazal Turasan (Kokini):** College of Agriculture Pathmaker Award
16. **Adrienne Voelker (Mauer):** Food Science Teaching Award
17. **Lei “Shelly” Xu (Tao):**
   (i) Chinese American Food Society Outstanding Student Award
   (ii) Chinese American Food Society Student Committee Chair, Oct. 2017-present
   (iii) Student Representative of United States, IFT Non-thermal Processing Division, 2017-present
18. **Yizhe Zhang (Huang):** Ross Fellowship

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