The Interdepartmental Food Science Graduate Program is pleased with the continued support and contribution to the success of our graduate newsletter. Your contributions support the graduate committee’s mission to highlight the scholarship and academic success of graduate students, postdoctoral scientists and the faculty members in the Food Science program. Please continue to send articles with complete journal citation, book chapters, presentations and achievements/award information. 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**


5. **Kokini, J.L.** 2018. (Invited Speaker) "Phase transitions of starch and gluten polymers; Role of phase transitions in dough rheology and finished product texture" at AACC Rheology Division, Rheology and Texture of Cereal Foods. Purdue University, IN. March 13-15, 2018.

6. **Kokini, J.L.** 2018. (Invited Speaker) "Recent advances in nanotechnology for food applications". Department of Food Science and Human Nutrition, Graduate Seminars. University of Illinois at Urbana-Champaign. February 23, 2018.


**Graduated Students with Thesis/Dissertation Titles**

**Spring 2018**

1. **Irma Adyatni-MS (Xu):** Processing technology for improving the quality of tomato product and developing a value-added tomato processing derivative

2. **Matthew Allan-PhD (Mauer):** Food materials science: RH-temperature phase diagrams of deliquescent and/or hydrate forming crystals, effects of sweeteners on starch gelatinization, and the water activity of wines

3. **Ingrid Aragon Gallegos-PhD (San Martin):** Impact of processing of biofortified cassava and peach palm fruits on provitamin A carotenoid recovery and bioaccessibility
4. **Chuyan Chen-MS (Applegate):** Determining the potential for phase based detection of *Escheria coli* O157:H7 in ground beef samples during shipment

5. **Aminata Diatta-MS (Hamaker):** Using corn zein to improve the quality of gluten-free bread

6. **Cheikh Ndiaye-PhD (Hamaker):** Quality and nutritional impacts of extrusion on pearl millet and nutrient dense native blends

7. **Elizabeth Pletsch-PhD (Hamaker):** Controlling the gastric emptying rate of whole grain foods using physical properties and methods to slow starch digestion

8. **Celina To-MS (Bhunia):** A novel 3D-cell based assay to detect Shiga-toxin producing *Escherichia coli*

9. **Alyssa West-MS (Oliver):** Impact of disinfectant type, concentration, and contact time on bactericidal efficacy against healthcare-associated pathogens

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

1. **Pablo Torres Aguilar:** B.J. Liska Outstanding Teaching Assistant Award for the Spring 2018

2. **Jose Bonilla:** Second Place in Agriculture and Biological Engineering Industrial and Research Annual Symposium 2018, Walter Bushuk Graduate Research Award in Cereal Protein Chemistry 2018

3. **Collin Felten:** Third Place, American Society of Baking Product Development National Competition

4. **Rishi Drolia – ASM (American Society for Microbiology) Travel Award, 2018**

5. **Sarah Gafter:** Third Place, American Society of Baking Product Development National Competition

6. **Luis Maldonado:** B.J. Liska Outstanding Teaching Assistant Award, Department of Food Science 2018; Center for Instructional Excellence Teaching Academy Graduate Teaching Award 2018

7. **Anbuhkani Munjiandy:** PRF Research Grant; Third Place, American Society of Baking Product Development National Competition

8. **Xingyun Peng:** Bilsland Fellowship, 2018

9. **Yizhe Zhang:** Purdue Graduate Student Government (PGSG) Travel Grant, 2018

**Other Noteworthy Recognitions**

1. Congratulations to alumni **Dr. Rebecca Lipasek Jutkus (BS ’08, PhD ’12)** with The Hershey Company and **Dr. Andrew Neilson (PhD ’09)** with Virginia Tech for receiving the Purdue Food Science Early Career Award

2. Congratulations to **Dr. Haley Oliver** who has been named a Purdue Murphy Award recipient, Purdue’s highest teaching honor!