Quarterly Newsletter

Vol. 4 Issue 1,
Spring 2021

A report on Scholarship and Academic Activities of Interdepartmental Food Science Graduate Program (IFSGP)

Graduate Chair: Dr. Arun K. Bhunia
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Co-Chair: Dr. Andrea Liceaga

Graduate Program Coordinator: Mitzi Barnett
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Graduate Student Representatives: Nicholas Gallina

Grad Committee Members:
Dr. Bruce Applegate, Dr. Carlos Corvalan, Dr. Bruce Hamaker, Dr. Owen Jones, Dr. Charles Santerre

Welcome new Food Science Spring 2021 graduate students!!

Juan Archila Godinez
M.S.
Feng Lab

Jack Burnett
Ph.D.
Oliver Lab

Monique Felix
M.S.
Lindemann Lab

Dahye Le
Ph.D.
Oh Lab

Megan Low
M.S.
Feng Lab
Peer-Reviewed Research Publications


Graduated Students with Thesis/Dissertation Titles

1. **Emmanuel Ayua-PhD (Hamaker)**: Studies on Extrusion Processing of Instant Porridge Flours for African Processor Optimization, Acceptance, Marketability for Consumers, and Improvement in *in vitro* Fecal Fiber Fermentation
2. **Xingjian Bai-PhD (Bhunia)**: Pathogenesis of Biofilm-Isolated *Listeria monocytogenes* and Biofilms Control using Food-Grade Natural Antimicrobials
3. **Jingfan Chen-PhD (Yao)**: Exploring Functional Carbohydrate Polymers: Their Interactions with Small-Molecule Fluorescent Probe (Molecular Rotor) and Active Compounds
4. **Enrico Federici-PhD (Jones)**: Physical and Chemical Treatment of Zein to Improve Gluten-Free Bread Quality
5. **Anna Hayes-PhD (Hamaker)**: *In vitro* and *in vivo* Investigations of Carbohydrates with Different Digestibilities for Improved Satiety and Metabolic Health
6. **Carine Nkemngong-PhD (Oliver)**: Optimizing Sanitation and Disinfection Practices: Clostridioïdes difficile Spores and Dry Surface Biofilms of Staphylococcus aureus and Pseudomonas *aeruginosa* As Models
7. **Arianna Romero Marica-MS (Lindemann)**: Effect of Glucan Chemical Structure on Gut Microbiota Composition and Function
8. **Luping Xu-MS (Bhunia)**: Mammalian Cell-based Biosensors for Foodborne Pathogen Detection

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Graduate Student/Post Doctorate Achievements/Awards

1. **Juan Archila** - Consumer Food Safety Education Virtual Conference Student Scholar, March 2021
2. **Food Science Graduate Student Association (FSGSA)** - College of Agriculture Unsung Diversity Hero Award, April 2021
3. **Sora Kim** - Emerging Leaders in Nutrition Science Abstract Recognition Award Program of the American Society for Nutrition Finalist, Spring 2021
4. **Dongqi Liu** – 2nd place in Beyond Boundary Cross-Disciplinary Poster Presentation Competition (Ph.D. cohort) in Indiana Branch of American Society for Microbiology Spring Meeting, 2021
5. **Hansel Mina Cordoba** - Consumer Food Safety Education Virtual Conference Student Scholar, March 2021
   - Phi Tau Sigma Student Achievement Scholarship, Spring 2021
7. **Travis Woodbury**- PMCA Student Outreach Program Scholarship to attend the Professional Manufacturing Confectioners Association, Spring 2021