

# Global Agriculture Innovation Forum



## Innovations to Ensure Food Safety and Quality

July 13, 2021, 9:00-10:30 a.m. EDT,  
USA (UTC-4)

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### Moderator

**Dr. Haley Oliver**, Professor and USAID Feed the Future Food Safety Innovation Lab Director, Purdue University. Dr. Oliver's research focuses on foodborne pathogens in retail food systems. As Director of the Food Safety Innovation Lab, she develops and oversees USAID's food safety research portfolio in Senegal, Kenya, Bangladesh, Cambodia, Tanzania and Nepal.



### Innovations in Water Treatment for Produce Safety

**Dr. Faith Critzer**, Associate Professor & Produce Safety Extension Specialist, Washington State University. Dr. Critzer's extension program is focused on providing science-based recommendations and training to farms and packing houses so they can develop robust food safety programs. In her research, she seeks to fill knowledge gaps tied to bacterial foodborne pathogens in the preharvest and postharvest environment.



### Can We Test Produce to Safety?

**Dr. Matthew Jon Stasiewicz**, Assistant Professor of Applied Food Safety, University of Illinois. Dr. Stasiewicz applies new tools in genomics and data science to food safety microbiology. He develops methods to identify when bacterial pathogens persist in food-associated environments and to clean corn that has been contaminated with toxins produced by fungi. His work takes global strides toward building risk-based food safety systems.



### Commercial Manufacturing of Shelf- stable Food Products

**Dr. Dharmendra Mishra**, Assistant Professor, Purdue University. Dr. Mishra joined Purdue after 7+ years of professional experience in global food companies as a process engineer and process authority. He works with food manufacturers, small businesses, entrepreneurs, and regulators to manufacture shelf-stable food products without pathogenic and spoilage risks. Dr. Mishra also serves as a process authority, bridging gaps between manufacturers of shelf-stable products and regulatory agencies.



## **Innovative Spaces in Familiar Places: The Role of Fresh Food Markets in Food Safety in Cambodia**

**Dr. Jessie Vipham**, Assistant Professor, Kansas State University. Dr. Vipham's research focuses on improving the global understanding of food safety and foodborne disease and their impact on public health, particularly for vulnerable populations, and seeks to provide adoptable and applicable solutions for reducing foodborne pathogen contamination in various food value-chains around the world. She has been involved in food safety and food security research in Central America, South America, Africa and Southeast Asia.

### **Forum themes**

- Farms and Farmers of the Future - **March 2 - 30, 2021**
- Innovations in Genetic Improvement of Agricultural Systems - **May 11 - June 8, 2021**
- Innovations in Post-Harvest Management – **July 13 - 27, 2021**
- Innovations in Information & Communication Technologies - **August 31-Sept. 14, 2021**
- Innovations in Entrepreneurship, Especially Among Youth – **October 5 - 19, 2021**
- Innovations in Scaling – **November 16 - December 7, 2021**

### **About the Global Agriculture Innovation Forum:**

The Global Agriculture Innovation Forum is a joint undertaking between USDA's Foreign Agricultural Service and Purdue University's Office of International Programs in Agriculture. The Forum will be valuable to entrepreneurs, producers, value-chain operators, service providers, and researchers, as well as donor agencies and implementing partners and will consist of a series of virtual events held throughout 2021. All events are free, but registration is required. Registration provides post-event access to all presentations as well as access to additional curated material on the topic.

[globalaginnovationforum.org](http://globalaginnovationforum.org)

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