Global Challenges: Building Healthy Food Systems
Thursday, October 4, 2018
Adele H. Stamp Student Union
University of Maryland, College Park

7:30 – 8:30 a.m.  Registration

8:30 – 8:45 a.m.  Welcome
Craig Beyrouty, Dean, College of Agriculture and Natural Resources
Mary Ann Rankin, Senior Vice President and Provost, UMD
Dan Glickman, Vice President, Congressional Program, Aspen Institute
and former U.S. Secretary of Agriculture

8:45 – 9:45 a.m.  Keynote Address
Dr. Gebisa Ejeta
World Food Prize Laureate

10 – 11:15 a.m.  Session 1
Global Perspectives: Nutritional Security
Asma Lateef
The Urgency of Accelerating Progress Against Maternal and Child
Malnutrition

Dan Gilligan
Evidence on strategies to improve diets and nutrition for the poor

Nadine Sahyoun
Food and Nutrition Security of Older Adults

Session 2
Production through Protection
Nidhi Rawat
Overcoming the Fungal Foes of Wheat

Kate Everts
Oomycete Diseases of Vegetable Crops: Global Challenges and Local
Solutions

Nathaniel Tablante
Protecting Poultry Flocks from Disease to Keep Them Healthy and
Productive

Shannon Dill
Protecting the Farm through Business Management
Session 3  
**Innovative Solutions for Food Systems**  
Eric Brown  
*Facing the Giants: How Microbiology is Standing Up to the Many Challenges of a 21st Century Food Supply*

Yiping Qi  
*Precision Breeding for Crop Improvement by Genome Editing*

Bryan Butler  
*Evaluating the Potential for Hops Production in Maryland as a New Commercial Enterprise by Developing a Partnership with Industry*

Manan Sharma  
*Zero-valent Iron Filtration: A Potential Method to Improve Irrigation Water Quality on Small-scale Farms*

11:30 a.m. – 12:45 p.m.  
**Session 4**  
**Food, Families and Communities**  
Isabel Walls  
*Effect of Environmental Factors on Food Safety*

Mira Mehta  
*Strengthening the Foundation: A Green and Sustainable Household Level Strategy for Ensuring Food Security and Preventing Chronic Disease*

Taryn Devereux  
*The Role of Women in Building Ethiopia’s Food Security: Lessons from an International Extension Project*

Jennifer Dixon Cravens  
*Healthy Food Systems: The Impact on Food Insecurity, Malnutrition, and Chronic Diseases*

**Session 5**  
**Global Perspectives: Food Security**  
Peter Balint-Kurti  
*Use and Deployment of Plant Disease Resistance*

Monica Das Gupta  
*Population and Food Security*

Vijay Tiwari  
*Ensuring Global Food Security: A Wheat Perspective*
Session 6
Getting Ready: The Food Safety Modernization Act
Samir Assar
FSMA: How Partnerships Are Key to Successful Implementation

Clare Narrod
International Food Safety Capacity Building Efforts in Meeting the Goals of FSMA

Chris Walsh
Produce Safety: Educating Farmers to Meet Buyer Requirements and Federal Law

Rohan Tikekar
A Hybrid Food Safety Training Program for Growers Who Grow and Process Produce into Value Added Products

12:45 – 2:30 p.m.  Lunch and Poster Session

2:30 – 3:45 p.m.  Session 7
Combatting Food Insecurity
Ray Weil
Sulphur: The Forgotten Nutrient in the Soil - Protein Nexus

Allison Tjaden
Fighting Food Insecurity at UMD - Assessment and Action?

Neith Little
Urban Agriculture: What Is It and How Does It Fit Into Combating Food Insecurity?

Hee-Jung Song
Food Waste at College Dining Halls and Its Potential Implications in Food Insecurity

Session 8
Water for Food and Agriculture
Amy Sapkota
Recycled Water, Food Crop Irrigation and Public Health: Moving the Science Forward to Achieve Sustainable Water Reuse in a Changing Climate

Masoud Negahban-Azar
Why Data Matters in Agricultural Water Reuse?

Rachel Rosenberg Goldstein
Farmer Perspectives on Water Availability and Water Reuse
Salina Parveen
*Current Perspectives on Vibrios in the Chesapeake Bay and the Maryland Coastal Bays*

**Session 9**

**Global Perspectives: Food Safety**

Robert Buchanan
*Academia, the Third Side of the International Food Safety Triangle*

Heather Tate
*One Health, One World: Combatting Antimicrobial Resistance in Foodborne Bacteria*

Abani Pradhan
*Risk Assessment and Predictive Microbiology for Improved Food Safety*

3:45 – 5 p.m.   Concluding Session and Social