

# Selected Outreach Activities- Ravishankar Team- UArizona

## City High School Students Tour 2018- Tucson, AZ

Dr. Ravishankar and her team gave a tour of her labs and demonstrated the food safety projects in her lab to a group of students from City High School for their Food Science class on Nov. 9, 2018. They also presented their experience in food science and food safety as a career and why they selected this career.

## Southern Arizona Research, Science and Engineering Foundation (SARSEF)- Future Innovator's Night 2019- Tucson AZ

Dr. Ravishankar and her team hosted the University of Arizona- Food Safety Booth at the SARSEF- Future Innovator's Night on March 8, 2019, held in the Tucson Convention Center, in which they explained the importance of food safety and microbiology, prevention of cross-contamination and use of natural sanitizers for washing fresh produce to thousands of children and their parents visiting the SARSEF posters and exhibits.



## Cactus – Institute of Food Technologist Suppliers Night 2019- Phoenix, AZ

Food safety team members from Dr. Ravishankar's lab exhibited the different antimicrobials and projects in the lab to around 15 food science professionals at the Cactus-IFT Suppliers' Night Food Safety Booth held in Phoenix on the 9th of April, 2019. This event was organized by the Cactus Institute of Food Technologists section, with a goal to represent all areas of the food industry and to promote all aspects of food technology.

## USDA Ag Discovery Camp Students Tour 2018-2022- Tucson, AZ

Dr. Ravishankar and members from her lab demonstrated the food safety aspects of various projects to high school students and their mentors from across the United States and its territories as a part of the USDA-Ag Discovery Camp. This event was organized by the USDA-APHIS and UA-Yuma Campus, mainly focused on agriculture related research, and helping students understand the importance of agriculture and safe food production in our lives.

## SaferFoodCats Camp Students Tour 2019, 2021, 2022- Tucson, AZ

Dr. Ravishankar and members of her lab demonstrated the ongoing food safety work in her lab to a group of high school students from local schools when they visited/toured her lab as a part of the SaferFoodCats Summer Camp. This event was focused on helping students understand the importance of food safety.



### **Presentations at the 2019 Annual Food Safety Conference- Tucson, AZ**

Park, R., Rao A., Porchas, M., Patil, B., Brierley, P. and Ravishankar, S. "Understanding the Cross-Contamination of Melons via Environmental Matrices Simulating Field Conditions". Poster presented at the Annual Food Safety Conference. Tucson, AZ, October 17, 2019.

Wei, Q., Rowlands, D., Torres, M., Porchas, M., Fang, T., Patil, B., Brierley, P. and Ravishankar, S. "Attachment Strength of Foodborne Pathogens on Different Melon Varieties from Various Regions in the United States". Poster presented at the Annual Food Safety Conference. Tucson, AZ, October 17, 2019.

Rao, A., Park, R. Porchas, M., Patil, B., Brierley, P. and Ravishankar, S. "Microbial Quality During Storage, Prevalence of Foodborne Pathogens and *Salmonella* Colonization Based on Variances in Netting Densities of Melons Grown in Different Regions of the United States". Poster presented at the Annual Food Safety Conference. Tucson, AZ, October 17, 2019.



### **Presentations at the 2020 Annual Food Safety Conference- Tucson, AZ**

Rossete, J., Rao, A., Porchas, M., Patil, B., Brierley, P. and Ravishankar, S. Determination of the Shelf-Life and Keeping Quality of Melons Grown in Different Regions with Respect to Background Microflora, Prevalence of Foodborne Pathogens and Variances in Netting Densities. Poster presented at the Annual Food Safety Conference, Tucson, AZ, October 21, 2020.

Zhu, L., Wei, Q., Brierley, P., Porchas, M., Patil, B. and Ravishankar S. Plant-based Antimicrobials Inactivate *Salmonella enterica* and *Listeria monocytogenes* on Melon Rinds. Oral presentation at the Annual Food Safety Conference, Tucson, AZ, October 21, 2020.

### **Presentations at the 2021 Annual Food Safety Conference- Tucson, AZ**

Park, R., Rao, A., Rowlands, D., Wei, Q., Brierley, P., Porchas, M., Patil, B. and Ravishankar S. Why We Peel Melons: A Peek into the Prevalence of Foodborne Pathogens Among Field-Grown Melons in Arizona. Oral presentation at the Annual Food Safety Conference, Tucson, AZ, October 21, 2021.

Alshahrani, S., Getchell, K., Raygoza, K., Bains, K., Murell, V., Brierley, P., Porchas, M., Patil, B. and Ravishankar, S. A Comparison of Initial Background Microbiota on Surface of Melons Grown in Different Regions of the United States. Poster presented at the Annual Food Safety Conference, Tucson, AZ, October 20, 2021.

Rowlands, D., Raygoza, K., Brierley, P., Porchas M., Patil, B. and Ravishankar, S. Attachment Strength of *Salmonella enterica* serovar Newport and *Listeria monocytogenes* on Melon Hybrids Grown in Five Different Regions of the United States. Poster presented at the Annual Food Safety Conference, Tucson, AZ, October 20, 2021.

**Presentations at the 2020 South West Ag Summit- Yuma, AZ**

Park, R., Rao A., Porchas, M., Patil, B., Brierley, P. and Ravishankar, S. “Understanding the Cross-Contamination of Melons via Environmental Matrices Simulating Field Conditions”. Poster presented by Richard Park at the SW Ag Summit. Yuma, AZ, February 27, 2020.

Wei, Q., Rowlands, D., Torres, M., Porchas, M., Fang, T., Patil, B., Brierley, P. and Ravishankar, S. “Attachment Strength of Foodborne Pathogens on Different Melon Varieties from Various Regions in the United States”. Poster presented by David Rowlands at the SW Ag Summit. Yuma, AZ, February 27, 2020.

Rao, A., Park, R. Porchas, M., Patil, B., Brierley, P. and Ravishankar, S. “Microbial Quality During Storage, Prevalence of Foodborne Pathogens and *Salmonella* Colonization Based on Variances in Netting Densities of Melons Grown in Different Regions of the United States”. Poster presented by Sadhana Ravishankar at the SW Ag Summit. Yuma, AZ, February 27, 2020.



**Presentations at the 2022 South West Ag Summit- Yuma, AZ**

Alshahrani, S., Getchell, K., Raygoza, K., Bains, K., Murrell V., Brierley, P., Porchas, M., Patil, B. and Ravishankar S. 2022. A Comparison of Initial Background Microbiota on the Surface of Melons Grown in Different Regions in the United States. Poster presented at the Southwest Agriculture Summit 2022 Student Poster Session, Yuma, AZ, February 23, 2022

Rowlands, D., Raygoza, K., Brierley, P., Porchas M., Patil, B. and Ravishankar, S. Attachment Strength of *Salmonella enterica* serovar Newport and *Listeria monocytogenes* on Melon Hybrids Grown in Five Different Regions of the United States. Poster presented at the Annual Food Safety Conference, Tucson, AZ, October 20, 2021.



