

Research Project: **Development of low-cost filtration systems for waterborne viruses.**
Faculty Mentor: Dr. Esseili, College of Agricultural and Environmental Sciences: malak.esseili@uga.edu
Area of Expertise: Food virology, Food Safety, Microbial Ecology, Emerging viruses, Method development.
Student Background: Food Science, Microbiology, Virology, Molecular Biology, Environmental Microbiology.
Faculty Website: <https://site.caes.uga.edu/esseililab/>

Dr. Esseili is looking for REEU students with background and interest in food science, microbiology, virology, molecular biology and environmental microbiology to work on a summer project that will develop low-cost filtration systems for waterborne viruses. REEU students will work directly with Dr. Esseili and graduate students in the lab. Undergraduate students will also participate in weekly research meetings with graduate students and will be exposed to other areas of research in Dr. Esseili's laboratory including virus cultivation, virus method development, virus inactivation, etc. Dr. Esseili's lab is located on Griffin Campus as part of the internationally known Center of Food Safety. Students will have the opportunity to network with other researchers on campus for professional development.



Research Project: **Identification of Natural inhibitors for Foodborne viruses.**
Faculty Mentor: Dr. Esseili, College of Agricultural and Environmental Sciences: malak.esseili@uga.edu
Area of Expertise: Food virology, Food Safety, Microbial Ecology, Emerging viruses, Method development.
Student Background: Food Science, Microbiology, Virology, Molecular Biology, Environmental Microbiology.
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Dr. Esseili is looking for REEU students with background and interest in food science, microbiology, virology, molecular biology and environmental microbiology to work on a summer project that will focus on identifying natural carbohydrates as inhibitors for foodborne viruses. REEU students will work directly with Dr. Esseili and graduate students in the lab. Undergraduate students will also participate in weekly research meetings with graduate students and will be exposed to other areas of research in Dr. Esseili's laboratory including virus cultivation, virus method development, virus inactivation, etc. Dr. Esseili's lab is located on Griffin Campus as part of the internationally known Center of Food Safety. Students will have the opportunity to network with other researchers on campus for professional development.

