

Post-doctoral associate position in development of virtual reality tools in food processing education

Position description: Department of Nutrition and Food Science at University of Maryland has an open postdoctoral associate position in the laboratory of Dr. Rohan Tikekar. The preferred start date of the position is August 1, 2021. This postdoctoral associate will primarily work on a project related to development and evaluation of novel online virtual environments and virtual reality tools to enhance instruction of food processing curricula. In addition, the post-doctoral associate will also undertake projects in the area of light and ultrasound assisted food processing methods, microbubble assisted produce washing treatments and other research projects based on mutual interests. The post-doctoral associate is also expected to assist Dr. Tikekar in mentoring undergraduate and graduate students, writing research grant proposals, and maintenance of safe laboratory environment. Interested candidates should send their CV to Dr. Rohan Tikekar at rtikekar@umd.edu.

About the laboratory: Dr. Tikekar's research focuses on novel food processing technologies for improved food safety and quality. Currently his laboratory has 5 PhD students and 2 Master's student. Our current research themes can be viewed [here](#).

Minimum qualifications: The candidate must have a PhD in Food Science/Food Engineering/Agricultural and Biological Engineering or other related fields. Experience with COMSOL and other numerical simulation software is required. Experience with virtual reality software is a plus. Experience or interest in teaching food engineering and processing related courses is desirable. Experience or interest in working with pathogenic and non-pathogenic microorganisms is desirable.