Biographical sketch

Dr. Deepti Salvi is an associate professor and associate department head at the Department of Food, Bioprocessing, and Nutritional Sciences at North Carolina State University. Dr. Salvi received her B. Tech. in Agricultural Engineering from Dr. B. S. Konkan Agricultural University, India, M. S. in Food Engineering and Bioprocess Technology from the Asian Institute of Technology, Thailand, and Ph.D. in Biological and Agricultural Engineering from Louisiana State University. After graduation, she worked as a post-doctoral researcher at the Audubon Sugar Research Institute, Louisiana State University, and then as an Assistant Research Professor in the Department of Food Science at Rutgers, the State University of New Jersey.

Dr. Salvi's research is focused on thermal and non-thermal food processing technologies such as cold atmospheric pressure plasma, high-pressure processing, microwave processing, extrusion, and ultraviolet light to ensure food safety and quality. Additionally, she is interested in investigating the role of the physical properties of food in controlling excessive caloric intake and enhancing nutrient absorption in the human gastrointestinal tract. Dr. Salvi's research also includes performing the numerical modeling of transport phenomena in biological and food engineering. Dr. Salvi's work was published in more than 45 peer-reviewed articles, 4 invited magazine articles, 7 book chapters, and one edited book. She has presented at several local and international conferences. Her lab currently receives research funding (over US $4.8 million) from the U.S. Department of Agriculture's National Institute of Food and Agriculture, Center for Advanced Processing and Packaging Studies, a National Science Foundation IUCRC Founded Center, American Egg Board, internal NCSU and various other external sources. She enjoys teaching undergraduate and graduate courses and mentoring graduate students and post-doctoral researchers. She has been awarded the prestigious Goodnight Early Career Innovator Award and Outstanding Postdoc Mentorship Award at North Carolina State University.