



Syed S.H. Rizvi, professor, Cornell University, is being honored for his pioneering contributions to supercritical fluids, extrusion, and membrane separation processes to enhance food quality, nutrition, and sustainability.

Rizvi is a professor of food processing engineering in the department of food science at Cornell University. In this role, he teaches undergraduate and graduate courses in engineering and processing aspects of food

related biomaterials and international developments. He also conducts research in physical, chemical, and engineering aspects of foods and related biomaterials.

Rizvi's creative use of engineering principles to develop novel food manufacturing processes has resulted in higher quality food, new economic opportunities, and improvements in the efficiency and sustainability of manufacturing processes. He is recognized as a pioneer in introducing the concepts of supercritical fluid food extrusion, separation of whey protein prior to cheese making, generation of nanoscale liposomes without the use of organic solvents, cryogenic freezing of liquids to create important and novel food products of utility, among many others. His record of scholarly achievements and excellence in teaching along with his contributions to food science and engineering have earned him worldwide recognitions and has raised the profile of food processing within US policy. Rizvi has created novel processes developed from the integrated application of engineering principles and practices which extended the bounds of knowledge for making better quality food products.

Rizvi is a 41-year member of ASABE. Rizvi has also maintained memberships with the American Institute of Chemical Engineers, American Chemical Society, American Dairy Science Association, Institute of Food Technologists, Dairy Technology Society of India, Gamma Sigma Delta, Phi Tau Sigma, and Sigma Xi. Rizvi is a fellow of the International Academy of Food Science and Technology, the Cornell Atkinson Center for Sustainability, Institute of Food Technologists, and he was selected as a Jefferson Science Fellow by the National Academy of Sciences and served as a Senior Science Adviser at the U.S. Department of State in Washington DC in 2007-2008.

Rizvi is author or coauthor of more than 200 peer-reviewed papers. He coauthored or edited eight books and holds nine US patents. He also serves on the editorial boards of several journals. Throughout his career, Rizvi has received numerous awards including the International Association for Engineering and Food (IAEF) Lifetime Achievement Award (2019), the ASABE International Food Engineering award (2021) and the Career Accomplishment award from the College of Agriculture and Life Sciences at Cornell University (2021).