



Syed S.H. Rizvi

Syed S.H. Rizvi is the 2021 recipient of the International Food Engineering award for his distinguished contributions of major engineering significance to develop novel processes for the delivery of better-quality food.

Rizvi is an international professor of food process engineering at Cornell University in Ithaca, New York. He is interested in engineering and processing aspects of food science and value addition for global markets. At Cornell, he conducts research focused on the physical, chemical, and engineering aspects of food and related biomaterials, as well as international development in the value-chain. He also teaches courses in engineering and processing aspects of food and related biomaterials and international developments.

Rizvi has a record of multi-faceted and pioneering achievements with keen commitments and lifelong contributions to the profession of food ranging from process engineering to international development and with excellence in each area. In particular, his 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 and cryogenic freezing of liquids and their relation to many important and novel properties of foods.

In 2007, Rizvi was the first food processing and engineering faculty selected for the prestigious Jefferson Science Fellows program at the US Department of State. Charged with participating in the formulation and implementation of US foreign policy, he served as a Senior Science Adviser to the Office of Agriculture, Biotechnology and Trade Policy in the Bureau of Economic, Energy and Business Affairs. He led discussions and meetings on food and agro-processing's role in economic development and food security, with a focus on developing countries.

Rizvi's work has received many awards and honors and earned him the Lifetime Achievement Award from the International Association for Engineering and Food. He is a Fellow of the Institute of Food Technologists and the International Academy of Food Science and Technology.

Rizvi has published more than 200 refereed scientific papers, eight books and holds nine patents. He is member of several professional societies including the American Association of Engineering Societies, American Chemical Society, American Dairy Science Association, and American Institute of Chemical Engineers.