

## **Brief Bio sketch of Prof. Valsaraj**

Professor Kalliat T Valsaraj presently holds the dual titles of the Charles and Hilda Roddey Distinguished Professor in Chemical Engineering and Ike East Professorship in Chemical Engineering at Louisiana State University in Baton Rouge, Louisiana. He is a Fellow of the *American Association for the Advancement of Science* (AAAS), the *American Institute of Chemical Engineers* (AIChE), the *Royal Society of Chemistry* (RSC) and the *National Academy of Inventors* (NAI). He received an M.Sc. in Chemistry from the Indian Institute of Technology, Madras in 1980 and a Ph.D. in Chemistry (with Chemical Engineering as Minor) from Vanderbilt University in 1983. He served as the Department Chair of the Cain Department of Chemical Engineering at LSU from 2005 to 2011, as Associate Vice Chancellor for Research and Economic Development at LSU between 2011 and 2013 and, as the Vice President for Research and Economic Development at LSU from 2013 till 2019.

His research area is in environmental chemical engineering. He has broad research experience in wastewater treatment, atmospheric chemistry and, modeling the fate and transport of contaminants in all three environmental media (air, water and soil/sediment). He has mentored 15 Ph.D., 22 MS students at LSU and several postdoctoral students in addition to hosting a number of visiting professors in his laboratory.

His present research is concerned with the transformations of pollutants on atmospheric aerosols (fog, rain, ice and snow), mercury sequestration in sediments and, studies on chemical dispersant design for sub-sea oil/gas spill. He is the author of 1 textbook (with three editions), 214 peer-reviewed journal articles, 27 book chapters and 2 U.S. patents. He has made over 280 national and international presentations, invited seminars and plenary lectures on his research. His research has been supported by the NSF, EPA, DOE, DOD, USGS and several private industries.