

Resume

Professor Balakrishnan Pitchumani has been a leading expert in the field of powder technology and solids processing for the past 40 years. He received his doctorate from IIT-Madras. He started his career at IIT Roorkee (then University of Roorkee) and then as faculty in the Department of Chemical Engineering, IIT Delhi for more than 35 years. During his tenure at IIT Delhi, Prof. Pitchumani created a research program in powder technology spanning grinding and Comminution, dust collection, powder flow and silo design and particle characterization. His research contribution includes 150 publications in peer reviewed journals and forging industrial partnerships with numerous cement, mineral processing and pharmaceutical companies and successfully worked on 100 industrial projects. As a citizen, he has contributed to the development and optimization of major government projects related to defense and railways. He developed uniflow cyclone for engine filter for armor personnel carrier and diesel railway locomotive and now for trucks. He has served on the advisory boards of Environment Ministry and Indian Standards Institute.

He has conducted short courses at powder show Chicago and American Filtration Society, Atlanta USA and Teltek Norway on Comminution, cyclone and fabric filter and powder characterisation. He also conducted industrial short course at IIT Delhi and in plant short course for cement and pharmaceutical industries. He was in the editorial board member international journal of bulk solids and particle and particle characterization.

He retired from IIT Delhi in 2010 as professor of chemical engineering and as Emeritus Professor at chemical engineering department IIT Delhi in 2017. Dr. Pitchumani continues his application of powder research where he serves as consulting expert and advisor to many to industries. He was honored with life time achievement award by Nuremberg message powder technology group at the international congress on powder and bulk solids ,2012.