

## EMERITUS PROFESSOR OF EMINENCE

### PROF. J.B. JOSHI

*B.Chem.Eng., M.Chem.Eng., Ph.D. (Tech.)*

*FNA, FTWAS, FASc, FNAE, FMASc*

Emeritus Professor, Homi Bhabha National Institute;  
Adjunct Professor, Department of Chemical Engineering;  
Louisiana State University, USA and Curtin University, Australia  
Former Director, ICT Mumbai.



Professor Jyeshtharaj Bhalchandra Joshi is an outstanding chemical engineering professional who has developed novel processes, designs, products and implemented in large, medium and small-scale industry including design of more than 1000 reactors for commercial operation. He has developed efficient designs of cookers and stoves and held more than 300 workshops for promoting science awareness among school going students. As President of Marathi Vidnyan Parishad, he has been actively driving the task of improving scientific temper of the society through different activities. Professor Joshi has done truly outstanding work in the area of multiphase reactors which has been widely acclaimed. He has succeeded admirably in developing design procedures for multiphase sparged and mechanically agitated reactors, which form heart of the chemical process industry. He was Director of ICT (1999-2009). Professor Joshi has guided 91 Ph.D. and 60 Masters thesis. He has published more than 500 papers in international cited journals and more than 60 state of the art reviews/ monographs/ book chapters. He has more than 17000 citations and h-index of 64. He has been honoured with Padma Bhushan by the President of India. He has passion to interact with students and young professionals for mutual inspirations and service to society.

The list of prominent awards includes: Fellowship of TWAS, INSA, IASc, INAE, S.S. Bhatnagar Prize 1991 (CSIR), Young Scientist Award 1981 (INSA), Amar-Dye-Chem Award 1983 (IChE), Young Associate 1983 (IASc), Fellow Maharashtra Academy of Sciences, 1987, Herdillia Award 1989 (IChE), Maharashtra State National Award 1991 (ISTE), VASVIK Award 1992, Diamond Award 1994 (UDCT), Dr. K.G. Naik Gold Medal 1995 (MS University Baroda), Chemtech Foundation Award, Goyal Foundation Award 1998 (Kurukshetra U), Vishwakarma Medal 2000 (INSA), 2000; State Best Teacher Award 2004 (Maharashtra), Dr. Anji Reddy Innovator of the year Award 2005 (IChE), Diamond Award 2007 (IChE), J. C. Bose Fellow, 2008 (DST), Life Time Achievement Award (Indian Chemical Council), Sayed Husain Zaheer Medal 2008 (INSA), ICT Superstar 2012 (ICT Mumbai), Eminent Engineer Award 2018 (Engineering Council of India), Lakshya Distinguished Leadership Award 2018 (NITIE Mumbai).

## NATIONAL AND INTERNATIONAL AWARDS :

**Padma Bhushan** (Govt. of India, 2014),  
**Shantiswarup Bhatnagar Prize**  
(Engineering Sciences, 1991),  
**Eminent Engineer Award**  
(Engineering Council of India, 2018).

## SUBJECTS TAUGHT:

Fluid Mechanics, Multiphase Reactor Design

## RESEARCH INTERESTS:

Fluid Mechanics, Multiphase Reactor Design, Computational Fluid Dynamics, Atomic Energy, Solar Energy, Bio-Energy.

**Recognized Research Guide for:** Ph.D. (Tech.) in Chemical Engineering, Nuclear Engineering, Ph.D. (Science)

**Guided students:** Ph.D. 86 , Masters: 60  
Post Doctoral: 24

## Total Research Publications -

National : 25

International: 500

## Current Students:

PhD. 10

Masters: Nil

Post-Doctoral: 4

**Citations:** 11209 (according to Scopus)

**H-index:** 54 (according to Scopus)