

MICHAEL FERNANDES

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ACADEMICIAN-CHEMICAL ENGINEERING & TECHNOLOGY

Research & Development ♦ Chemical Process Development & Design ♦ Administration ♦ Modelling, Simulation and optimization of Chemical Processes ♦ Thermodynamics and Fluid Phase Equilibria ♦ Biotechnology and Biochemical Engineering

PROFILE

- Accomplished academician offering over 30 years of experience across **Chemical Technology, Research & Development, Chemical Process Development & Design Administrative & Managerial Functions and Team Management**; currently spearheading as **Professor & Head** with **B.V. Raju Institute of Technology**.
- Dexterity in managing Research & Training as well as administration of Research Institute; conducted chemical **research in Process Modelling and Simulation**; utilizing leadership qualities, developed research teams, motivated, guided them and completed projects within targeted cost, time frames.
- **Innovative and Experimental attitude towards teaching methodologies including curriculum design and development of student-centered, congenial learning techniques** to instill enthusiasm towards learning in students.
- Innovative conceptualist with sharp eye for fresh approaches & details; **An academics oriented competent and highly organized individual**, committed to professional development and acquisition of continual knowledge.
- **Humble and proactive professional with a flair for connecting with learners and nurturing as well as fostering their development** with teaching methodology to their utmost potential.

Notable Accomplishments

- Received the “Best Student Union Carbide fellowship” in 1975
- Recognised and awarded with Best performance (2000-2001) while working as a member of Project Team, Organic Synthesis, New molecules and processes.
- As member of Project Team, “HFC 134a”, received Best performance award (2000-2001)
- Delivered keynote address in the Second Aspen plus India Users conference held at IIT, Bombay.

Career Chronology

- Professor and Head, Department of Chemical Engineering, BVRIT, Narsapur, Medak Dist, AP, India (Aug 2009 –till date)
- Professor, Department of Chemical Engineering, BVRIT, Narsapur, Medak Dist, AP, India (Sep 2006 –Aug 2009)
- Head, Chemical Engineering Division (Process Development) at IICT, Hyderabad (1 Apr 2000-30 June 2006)
- Project Coordinator, Biotechnology Incubation Centre project at IICT, Hyderabad (Mar 2004-Jun 2006)
- Member, Management Council of IICT (Jul 1991-Mar 1994)
- Executive member, Catalysis Society of India, Hyderabad (1997-1999)
- Member, IICT Library Committee (Apr1996-Mar1998)
- Convener, Technical committee for process equipments, World Bank project programme (Mar 1997-Dec 1997)
- Member, Board of Studies in Technology, Osmania University
- Recognized Guide for Ph. D, Osmania University.

EXECUTIVE SUMMARY

INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY

Jul 2006 - Onwards

Consultant

- Monitoring and supervising projects, and also recommending necessary changes.
- Establishing research facilities in Bio technology and instrumental in enhancing the reputation of the institution in academics and research field through novel and innovative research.
- Developing biotechnology R & D infrastructure and a group of dedicated chemical engineers through various projects.
- Identified economically relevant biotechnology development project obtained funding of 300 Million INR and executed a major biotechnology project.

BV RAJU INSTITUTE OF TECHNOLOGY

Sep 2006 - Onwards

Professor & Head

- Guiding and monitoring graduate research at master's level; collaborating with fellow teachers to design lesson plans and performed administrative tasks viz. recording attendance & providing individual assistance to the needy students;
- Shouldering responsibility of teaching undergraduate and graduate students; Identifying and mentoring students with potential and aptitude in research.
- Participating in promotional activities of the institution and also in symposia in the area of competence.
- Conducting the subject lectures regularly, keeping an eye on the understanding of the students and mentored & guided the students, help them overcome their difficulties through perseverance and patience.