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Educational Qualifications

- M.Sc. Chemistry, S.P.University, Anand, India, year 1982
- Ph.D. Gujarat University, Ahmedabad, year 1988
- Dissertation study of quinazoline as potential diuretic, hypoglycemic and local anaesthetic drugs.
- Post Doctoral Fellowship, Department of Chemistry, University of Tennessee, Knoxville, U.S.A 1989-1990
- Worked on study of Phosphorous Polymeric resins and their use as a catalyst in organic reactions.

Experience

1983 June to 1988 August

- Graduate study, Gujarat University. Worked on wide range of reactions while achieving targeted Heterocyclic Molecules. Studied structure / activity relationships for enhanced diuretic, hypoglycemic and local anaesthetic activity of quinazoline based moieties
- Exposed to testing of drugs and formulation according to IP, BP and USP Standards.

1989 February to 1989 July

- Chemist, Nachmann Laboratories inc., Davis, California, USA.
- EPA- Testing Hazardous Wastes analysis using Gas Chromatography and Atomic Absorption

1989 September to 1990 April

- Post doctoral fellowship
- Worked on study of Phosphorous Polymeric resins and their use as a catalyst in organic reactions.

1992 September to 1993 August

- Lecturer, Gogate Joglekar College, Ratnagiri, Mumbai University
- Taught Inorganic Chemistry for FY, SY and TY B.Sc.

1993 September to 2005 November

- Lecturer AISSMS College of Engineering
- 22 years approved teacher of University of Pune

2005 December to 2010 September

- Assistant Professor in Chemistry AISSMS College of Engineering
2010 October till date

- Professor in Chemistry AISSMS College of Engineering

- Subjects being taught at Engineering College, Chemistry-I/ Chemistry-II.

Workshop Organized / Attended

Organized three Entrepreneurship Awareness Programme for students, to expose our students to entrepreneurship a career choice
13 January 2004, 28 March 2004 in collaboration with MITCON 17 July 2004

- Coordinated one day Seminar on (24 July 2004) "Changing Mind Set through innovative Projects for selection of BE projects under the aegis of institute of Engineers, Pune-5.
- Hosted two week state level short Term Training Program organized by NITTTR, Bhopal supported by DTE Maharashtra State, Mumbai on "Teaching Methodologies on Engineering Mathematics from 6 December 2004 to 17 December 2004.
- Coordinated one day State Level Conference "Towards Quality Engineering Education on 12 February 2005.
- Attended one day Workshop (5 March 2004) on Asia Pasific Business e-coach learning at central park Hotel, organized by Science and Technology park, University of Pune.
- Attended two days Workshop on "Quality Enhancement in Professional Education and accreditation in collaboration with University of Pune. 16 - 17 March 2005.
- Represented College at one day Workshop on "Apprenticeship Training - Challenges ahead" organized by Board of apprenticeship training (WR) Mumbai at Dr Babasaheb Ambedkar Technological University, Lonere, 3 May 2007.
- Represented College at Association of the Managements of Un-Aided Engineering Colleges (Maharashtra) meeting on 27 July 2008 at Sakhar Sankul.
- Represented College at one day Workshop on "Awareness, Prevention and Action against Trafficking of Humans" organized by Symbiosis Centre for Management and Human Resource Development (SCMHRD), 18 August 2008.
- Hosted and organized 1st meet of FST on 16 September 2005.
- Hosted and organized 2nd meet of FST on 19 January 2006.
- Hosted and organized 3rd meet of FST on 16 October 2006.
- Hosted and organized 4th meet of FST on 27 September 2007.
- Hosted and organized 5th meet of FST on 27 August 2008.
- Hosted and organized Wipro's Mission 10X Workshop on 25 August to 29 August 2008.

Refresher Courses Completed (**14 Weeks**)

- Total Quality Management (TQM) in Engineering Education at AISSMS COE, Pune (15 May- 27 May 2000).
- Applications of Computers in Chemical Sciences and Engineering, Sant Longowal institute of Engineering and Technology (28 May- 8 June 2001).
- Human Resource Development in class room at Hotel Management Institute of Catering and Technology (3 December - 31 December 2003).
- Faculty Development Programme at Entrepreneurship Development Institute of India at Ahmedabad from 22 December - 2 January 2004.
- Recent Trends in Analytical instrumentation at College of Engineering Pune (COEP) 12 June – 23 June 2006.
- Soft skills Training Program at Infosys Technology Pune from 17 to 22 December, 2006.
- Workshop on knowledge Discovery in life Sciences Modeling of Small Molecules to Macromolecules at Bioinformatics Centre University of Pune from 11- 17 December 2007.

List of Paper Published:

1. "Synthesis of New Anti-tuberculosis Drugs", 16th Tetrahedral Symposium at Berlin, 16 -19 June 2015
2. "Synthesis of New Anti-tuberculosis Drugs", Innovation 2014 Regional Research Conference for Chemistry, Life sciences and Engineering on, 29-30 April 2014.
3. "Synthesis of New Anti-Tuberculosis Drugs", "Innovation 2013" Regional Research Conference for Engineering Teachers on 18th April 2013.
4. "Challenges in Combating Extensively Drug Resistance Tuberculosis and synthesis of New Anti-Tuberculosis Drug" Chemcom 2013 66th annual session of Indian Institute of Chemical Engineerings and Joint INDO North American Symposium , Dec 27-30, 2013.
5. "Challenges in combating Extensively Drug Resistance Tuberculosis." Prakalp 2013 , A National level paper presentation hosted by MIT Academy of Engineering on 6th and 7th September 2013.
6. "Targeting and Synthesizing new anti-tuberculosis Agents for use as Drug", International Journal of Chemistry and Chemical Engineering, Vol 3, Number 3, 2013, ISSN- 2248-9924.
7. "Master Plan 2025 of Pune Municipal Corporation for Sewage Treatment and Disposal", Journal of the IPHE, India, Vol 2009-10, No 2.
8. "Magnetic Ion Exchange Process for dissolved organic Carbon Removal from Raw Water", Journal of the IPHE, India, Vol 2008-09, No 1.

List of Books Published:

- 1) Industrial Chemistry, Nirali Publication
- 2) Text Book of Physical Chemistry, Nirali Publication
- 3) A Textbook of Inorganic and Organic Chemistry, Nirali Publication
- 4) Applied Science I, Technova Publication.

Members of Professional Bodies

- Life Member of Indian Society of Technical Education (ISTE)
- Life Member of Indian Science Congress (ISC)
- Trustee and Joint Secretary of Engineering Education Foundation (NGO)