

CURRICULUM VITAE

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DATE OF BIRTH : 16th August 1975
LANGUAGES : English, Hindi, Gujarati

EDUCATIONAL QUALIFICATION

EXAM	SCHOOL/COLLEGE	MONTH & YEAR OF PASSING	SPECIALIZATION STREAM	CLASS
Ph.D.	V.P.SCIENCE COLLEGE	APRIL-2002	INDUSTRIAL CHEMISTRY	-
M.Sc.	V.P.SCIENCE COLLEGE	APRIL-1997	INDUSTRIAL CHEMISTRY	FIRST
B.Sc.	V.P.SCIENCE COLLEGE	APRIL-1995	INDUSTRIAL CHEMISTRY	SECOND
H.S.C.	R.P.T.P SCIENCE COLLEGE	MARCH-1992	SCIENCE	SECOND
S.S.C.	S.S. HIGH SCHOOL	MARCH-1990	SCIENCE	FIRST.D

Ph. D THESIS

- Synthesis, Characterization and Degradation of polymeric blends

RESEARCH GUIDE

- Two research scholars have been registered for Ph. D., one in July 2011 and other in August 2012.

RESEARCH PROJECT

- Development of e-content for undergraduate science and engineering students in the area of Chemical Process Industries funded by MHRD, New Delhi, 2012 (7,00,000/- Rs)
- Development of e-content for undergraduate science and engineering students in the area of Heavy and fine chemicals funded by NPTEL, IIT Madras, 2012 (7,00,000/- Rs)
- “Synthesis, characterization of Polymeric drug carrier using Guar gum and modified guar gum” funded by UGC, New Delhi for the year 2009-2011. (2,00,000/- Rs)

PUBLICATIONS

1. Blends of low-density polyethylene and poly vinyl acetate, 59, JSIR, (2000) P.225
2. Blends of low-density polyethylene and poly vinyl acetate, 59, JSIR, (2000) P.225
3. Optimization of reaction parameter to prepare 2-HEMA-g- Na-PCMS using CAN as an initiator, 49, IJPM (2001) P. 147.
4. Environmentally degradable blends of LDPE and partially carboxymethylated starch (Na PCMS), 50, IJPM, (2001) P. 207.
5. Synthesis and characterization of LDPE-g-MA and PVAc blends XLVII (2), popu. Plast. Packg. (2002), P. 65.
6. Biodegradation of 2-HEMA-g-Na-PCMS graft copolymer, XLVII (4), Popu. Plast. Packg. (2002), P.75.
7. Synthesis and characterization of sodium salt of partially carboxymethylated starch, 51,IJPM, (2002), P.1081
8. Optimization of reaction parameter to prepare 2-HPMA-g-NaPCMS using Can as an initiator, 52, IJPM, (2003) P.565
9. Synthesis, characterization and biodegradation of LDPE and PCMS blends, 54, IJPM, (2005) P.985.
10. Biodegradable composition based on LDPE, 54, IJPM, (2005) P.993
- 11.2- HEMA -g-Na-PCMS - A Novel Polymeric Matrix utilized for Controlled Release of Paracetamol, 58(9), IJPM, (2009) P. 482

12. Synthesis, Characterization and Optimization of Water Soluble Chitosan Derivatives, 58(10), IJPM, (2009) P. 509
13. Controlled release of Carbamazepine from Carboxymethyl chitosan-rafted-2-Hydroxyethylmethacrylate matrix tablets, 115(6), JAPS (2010) P. 3442

CONFERENCE/SEMINARS

1. Presented paper, in Gujarat Science Congress held at Palitana, Organized by Bhavnagar University (1998).
2. Presented paper in National Symposium of Polymers held at V. V. Nagar, Organized by S. P. University (2001).
3. Attended "First All Gujarat Research Students meet", Baroda, Organized by M. S. University (1999).
4. Attended "15th Gujarat Science Congress", Baroda, Organized by Gujarat Science Academy and Faculty of Science. (2000).
5. Attended a seminar on "STN skill update and Patent information: Key to IPR decisions", Ahmedabad, Organized by American Chemical Society (2003).
6. Attended a seminar on "How to Search STN and Scifinder?" Mumbai organized by American Chemical Society (2003)
7. Organized Training session of "How to Search Chemical Literature on Scifinder?" in Dishman Pharma. & Chem. Ltd. Naroda. Ahmedabad (March 2004)
8. Attended "Basic seminar on searching on STN" Mumbai. Organized by American Chemical Society (March 2004).
9. Attended "State level seminar on current trends in environmental science" Organized by Natubahi V. Patel college of pure and applied science, V. V. Nagar, S.P. University, Gujarat, (2008)
10. Presented paper in "National level seminar on Research in chemistry at the crossing edge of other sciences (RC²EOS – 09)" Organized by Chemical science department, Natubahi V. Patel college of pure and applied science, V. V. Nagar, S.P. University, Gujarat, (2009)
11. Attended "Nano- technology workshop" organized by Material science department, S. P. University, V. V. Nagar, Gujarat (2010)

12. Attended “National workshop on frontiers in chemistry” organized by department of chemistry, Sardar Patel University, V. V. Nagar (Feb. 2012)
13. Attended workshop on NPTEL organized by IIT madras at Christ college, Rajkot (June 2012)

AUDITS

- Have been audited numbers of chemical companies as a specialist auditor of ISO: 9001(2000)
- Have faced several audits of ISO: 9001(2000), ISO: 14000 & ISO: 18000
- Have faced several internal audits and audits from other companies.

EXPERIENCE:

Name of College	Designation	Period
Natubhai V. Patel College of Pure and Applied Sciences	Lecturer & Research Guide	June 2008 to till the date

Responsibilities:

- Reports to Head Chemical science Dept./Principal
- Conduct theory and practical classes
- Internal and University examination’s related responsibility
- Councilor of S. Y. B. Sc. (Industrial chemistry) students
- Guest lecturer at V. P. & R.P.T.P. Science college
- Research guide in Industrial chemistry, chemistry and pharmaceutical chemistry
- Coordinator and SME for NPTEL project
- Ex-officio of music, dance and theater portfolio

Name of Company	Designation	Period
Harsiddhi Resin Industries, Sojitra	Technical Partner	November 2005 - June 2008

Responsibilities:

- Development of new products, Modification and/or quality improvement in Product and Process
- Identification of statutory and regulatory requirements of new products
- Participate directly in design, development and inspection of technical /projects in the theoretical or applied scientific work of the organization
- Consultation and negotiation with customers regarding specification proposals or present scientific research reports and finding
- Assign, co-ordinate and review the technical work of the company
- Assigning need based training to employees
- Recruits personnel in require areas

Name of Company	Designation	Period
Dishman Pharmaceuticals and Chemicals Ltd. Ahmedabad	Head of the Scientific Department	August 2003 – October 2005

Responsibilities :

- Reporting to CEO/M.D.
- Develop new products, Modification and/or improvement in Product and Process
- Responsibilities for smooth conduct of Scientific department
- STN/Scifinder Search
- Imparting need based training to department's staff
- Prepare and Sign MSDS
- Establish and Implements objectives for QMS, EMS and OHSAS
- To set and Achieve departmental objectives
- To perform other responsibilities assigned by CEO

Name of Company	Designation	Period
Shivam Chemicals, Jogan	Manager	August 2002 – August 2003

Responsibilities:

- Reports to Managing Director.
- Set and achieve organizational objectives
- Develop new products, Modification and/or improvement in Product and/or Process
- Analysis of the existing and new products
- Arranging need based training to company employees

Name of College	Designation	Period
Smt. B.C.J. Science College, Khambhat	Lecturer	June 1997 – June 1998

Responsibilities:

- Reports to Head Chemistry Dept./Principal

TRAINING & PROJECT WORK :

- In-plant training at Deepak Nitrite Ltd. Nandesari for six weeks, 1996.
- Project entitled "Stability Study of Immobilized Urease Enzyme".

M.SC. DISSERTATION PROJECTS:

- Control drug release binder based on guar gum
- Bio-conversion of glycerol and its application for resin manufacture
- Graft co-polymerization of Guar gum derivatives.

SKILLS:

- Sound knowledge of process development

- Working as specialist auditor for ISO9001:2000
- STN/Scifinder Search
- Chemical abstract and internet search for finding scientific literature
- Working knowledge of GC,HPLC,NMR and IR
- Sound knowledge of MS Office, ISIS draw, Chemoffice, Chems sketch and Chemwin etc.

REFERENCE

Dr. V. K. Sinha,
Sr. Lecturer, Industrial Chemistry Department
V. P. & R.P.T.P. Science College,
Vallabh Vidyanagar
Phone : (02692) 237755