

<b><u>BIO-DATA</u></b>	
<b>1. Name:</b>	<b>Dr. (Mrs.) Alka A. Mungray</b>
<b>2. Date of Birth:</b>	01 <sup>st</sup> June, 1981
<b>3. Designation:</b>	Assistant professor
<b>4. Highest Qualifications:</b>	Ph.D.

**5. Degree Obtained:**

University	Degree	Year	Field of Specialization
V.V.P. Engineering College, Saurashtra University, Rajkot, Gujrat	B. E.	2002	Chemical Engineering
Maharaja Sayajirao University, (M.S.U.), Baroda, Gujrat	M. E.	2004	Polymer Technology (Chemical Engineering)
Sardar Valabhbhai National Institute Technology (SVNIT), Surat-395007, Gujrat	Ph.D.	2009	Membrane separation technology and wastewater treatment

**6. Employment Record:**

University	Designation	Period
S.V.N.I.T SURAT	Assistant professor	13 <sup>th</sup> March 2009 TO TILL DATE

**7. Other related experience (research, industrial etc.): Nil**

Organization/Employer	Designation	Period

**8. Consultancy and Sponsored research activities: NA**

**9. Publications: (Total No.)**

- i. Papers published in International Journal: **(Annexure -i)**  
(Total No. 8, Accepted: 5, Communicated: 3)
- ii. Papers published in National Journal: **(Annexure -ii)**  
(Total No.: Nil)
- iii. Papers published/presented in International Conference/Seminar: **(Annexure -iii)**  
(Total No.: 3)
- iv. Papers published/presented in National Conference/Seminar: **(Annexure -iv)**  
(Total No.: 1)

**10. Workshops/Summer Schools/ Winter schools/Short term Courses attended:**

1. Participated in Short-Term Course “Pedagogy & Research Methodology for newly recruited faculty members.” One week from 3-8 May, 2009 SVNIT, Surat.
2. Participated in a short-term course on “Sustainable Water and Waste management Techniques”, conducted by Civil Engineering Department, SVNIT, Surat, from 27<sup>th</sup> – 31<sup>st</sup> July, 2009.
3. Participated in a short-term course on “Advanced Instrumental Methods of Analysis” at Department of Chemical Engg., SVNIT, Surat during 24<sup>th</sup> - 28<sup>th</sup> August 2009.
4. Participated in a short-term course on “Advanced in Condensed matter Physics:”, conducted by Applied Physics Department, SVNIT, Surat, from 31<sup>st</sup> – 4<sup>th</sup> September, 2009.
5. Participated in the 3<sup>rd</sup> INDO-GERMAN workshop on “Management of Water Supply and Wastewater System” at IIT Bombay during 19-20 November 2009.
6. Attended INDO-Australian workshop on “Recent Advances in Wastewater Treatment” at Institute of Chemical Technology, Matunga, Mumbai during 16-17 December 2009.
7. Participated in a short-term course on “Recent developments and future trends of nanotechnology in modern science”, conducted by Applied Chemistry Department, SVNIT, Surat, from 21<sup>st</sup> – 25<sup>th</sup> December, 2009.

**11. Other Information:**

**Ph.D. Supervisor:** Nil

**M.E./M.Tech. Dissertations Guided:** Guiding Two Students

(Mr. Shrirang V. Kulkarni (Guide) & Mr. Jayant Singh (Co-Guide))

**Memberships in professional bodies:** NA

**International Recognition:** Nil

**Event Organized:**

<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name of Programme</b>	<b>Dates of Programme</b>
1.	Dr. (Mrs.) Alka A. Mungray (Co-Coordinator)	STTP on Treatment and Disposal of Wastewaters	5 <sup>th</sup> -9 <sup>th</sup> October, 2009
2.	Dr. (Mrs.) Alka A. Mungray (Co-Coordinator)	STTP on Anaerobic Digestion of Wastewaters	22 <sup>th</sup> – 27 <sup>th</sup> February 2010

## **Administrative Responsibilities: Nil**

### **Awards Received**

- **Qualify Gate** (Chemical Engineering) in 2003.
- MHRD Scholarship, Ministry of human resources & development, from 2006.

- **Annexure-i**

**(i) Papers published in International Journal:**

1. **Alka G. Boricha** and Z.V.P. Murthy, Prediction of nanofiltration performance by using membrane transport models for the separation of nickel salts from aqueous solutions, *Chemical Product and Process Modeling*, Vol.3 (Issue 1) (2008) Article-15 (The Berkeley Electronic Press, USA).
2. **Alka G. Boricha** and Z.V.P. Murthy, Preparation and performance of *N,O*-carboxymethyl chitosan-polyether sulfone composite nanofiltration membrane in the separation of nickel ions from aqueous solutions, *Journal of Applied Polymer Science*, Vol. 110 (No.6) (2008) 3596-3605 (John Wiley & Sons, USA).
3. **Alka G. Boricha** and Z.V.P. Murthy, Preparation, characterization and performance of nanofiltration membranes for the treatment of electroplating industry effluent, *Separation and Purification Technology*, Vol.65 (No.3) (2009) 282-289 (Elsevier Scientific Publication, The Netherlands).
4. **Alka G. Boricha** and Z.V.P. Murthy, Acrylonitrile butadiene styrene/chitosan blend membranes: preparation, characterization and performance in the separation of metal ions, *Journal of Membrane Science*, Vol. 339 (No.1-2) (2009) 239-249 (Elsevier Scientific Publication, The Netherlands).
5. **Alka G. Boricha** and Z.V.P. Murthy, Preparation of *N,O*-carboxymethyl chitosan/cellulose acetate blend nanofiltration membrane and testing its performance in separating copper and chromium from a CETP wastewater, *Chemical Engineering Journal*. (Elsevier Scientific Publication, Switzerland).

(ii) **Papers communicated in International Journal:**

6. **Alka G. Boricha** and Z.V.P. Murthy, Dilute solution viscometry study on the miscibility of *N,O*-carboxymethyl chitosan-cellulose acetate blends, *Journal of Polymer Engineering* (Freund Publishing House, Israel).

7. **Alka G. Boricha** and Z.V.P. Murthy, Synthesis and characterization of nanofiltration membrane and its performance in separating metal ions, *Chemical Engineering and Processing: Process Intensification*. (Elsevier Scientific Publication, Switzerland).

8. **Alka G. Boricha** and Z.V.P. Murthy, Separation of mercury and chromium from aqueous solutions by nanofiltration: A comparative study with different membranes, *Desalination*

**Annexure: -ii**

(ii) **Papers published in National Journal: Nil**

**(Annexure -iii)**

(iii) **Papers published/presented in International Conference/Seminar:**

1. **Alka G. Boricha**, Latesh B. Chaudhari, and Z.V.P. Murthy, Synthesis of *N,O*-carboxymethyl chitosan (NOCC)-polyether sulfone (PES) composite nanofiltration membrane and effect of operating variables for the separation of nickel ion from aqueous wastewater. Presented at “Young Researchers’ Conference-2007” Organized by UICT, Mumbai and Dr. Babasaheb Ambedkar Technological University, **Loneri, Maharashtra**, India, March 29-31, 2007.

2. **Alka G. Boricha**, Z.V.P. Murthy, Latesh B. Chaudhari, “Adsorptive Treatment of Distillery Spentwash Using Non-Crosslinked and Crosslinked Chitosan Membranes”, Proceedings of the International Conference on Environmental Management: Scenario and Strategies to 2020” Ujjain Engineering College, **Ujjain, M.P.** India, 26<sup>th</sup> -27<sup>th</sup> December 2007,

3. **Alka G. Boricha** and Z.V.P.Murthy, Separation behavior of N,O carboxymethyl chitosan (NOCC)/cellulose acetate (CA) blend nanofiltration (NF) membrane for copper removal. Presented at ICCE 2009 conference at **Ubon Ratchathani, Thailand** from 21<sup>st</sup> - 23<sup>rd</sup> January 2010.

**(Annexure- iv)**

**(iv) Papers published/presented in National Conference/Seminar:**

1. **Alka G. Boricha** and Z.V.P. Murthy, Metals removal capability of chitosan from wastewaters: an overview. Presented at “Annual Conference of Indian Association for Environmental Management”, Ankleswar, Gujarat, India. 30<sup>th</sup> November 30–December 1, 2007.