

BIO-DATA OF SMITA GUPTA

- 1. Name:** Dr. Smita Gupta
2. Date of Birth: 03rd January, 1981
3. Designation: Assistant professor
4. Highest Qualifications: Ph.D.
5. Degree Obtained:



University	Degree	Year	Field of Specialization
Institute of Engineering & Technology, C.S.J.M. University, Kanpur, U.P.	B. Tech.	2003	Chemical Engineering
H.B.T.I., Kanpur, U.P. Technical University, U.P.	M. Tech.	2006	Bio-chemical Engineering (Chemical Technology)
S.V.N.I.T SURAT	Ph.D.	2014	Chemical Engineering

6. Employment Record:

University	Designation	Period
S.V.N.I.T SURAT	Assistant professor	9 th April 2009 TO TILL DATE
Institute of Technology, Nirma University, Ahmedabad, Gujrat	Lecturer	31 st May 2008 TO 31 st March 2009

7. Consultancy and Sponsored research activities: NA

8. Publications: (Total No.)

- i. Papers published in International Journal: **(Annexure -i)**
(Total No. 4)
- ii. Papers published in National Journal: **(Annexure -ii)**
(Total No.: Nil)
- iii. Papers published/presented in International Conference/Seminar: **(Annexure -iii)**
(Total No.: 1)
- iv. Papers published/presented in National Conference/Seminar: **(Annexure -iv)**
(Total No.: 1)

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

1. Participated in a short-term course on “Sustainable Water and Waste management Techniques”, conducted by Civil Engineering Department, SVNIT, Surat, from 27th – 31st July, 2009.
2. Participated in Short-Term Course “Pedagogy & Research Methodology for newly recruited faculty members.” One week from 3-8 August, 2009 SVNIT, Surat.
3. Participated in a short-term course on “Advanced Instrumental Methods of Analysis” at Department of Chemical Engg., SVNIT, Surat during 24th - 28th August 2009.
4. Participated in a short-term course on “Treatment and Disposal of Wastewaters:”, conducted by Chemical Engineering Department and Civil Engineering Department, SVNIT, Surat, from 5th – 9th October, 2009.
5. Participated in three day workshop on “ Nanotechnology Applications for Sustainable Development” organized by Chemical Engineering Department, SVNIT, Surat, from 19th – 21th April, 2013.
6. Participated in a short-term course on “Sustainable waste management techniques”, conducted by Civil Engineering Department, SVNIT, Surat, from 3th – 7th June, 2013.
7. Attended the Faculty Development Programme on “Research Methodology” organised by SVNIT, Surat, during 10th-14th June, 2013.
8. Participated in a short-term course on “Advances on wastewater treatment and energy generation”, conducted by Chemical Engineering Department, SVNIT, Surat, from 30th Sept.-4th Oct. 2013.
9. Participated in a short-term course on “Recent trends in nanomaterial synthesis, characterization and applications”, conducted by Chemical Engineering Department, SVNIT, Surat, from 14th – 18th October 2013.
10. Participated in a short-term course on “Nanoscale integration, Fabrication and characterization”, conducted by Electronics Engineering Department, SVNIT, Surat, from 21-25 October 2013.
11. Participated in a short-term course on “Green chemistry and engineering: Towards a sustainable future”, conducted by Chemical Engineering Department, SVNIT, Surat, from 18-22nd November 2013.
12. Participated in a one-day workshop on “Comsol Multiphysics Modeling ”, conducted by Chemical Engineering Department, SVNIT, Surat, on 6th December 2013.
13. Participated in a short-term course on “राजभाषा नियम एवं सॉफ्टवेयर प्रशिक्षण”, conducted by SVNIT, Surat, from 9-13th June 2014.

14. Participated in a short-term course on “Advances in waste management techniques”, conducted by Civil Engineering Department, SVNIT, Surat, from 23-27nd June 2014.

10. Other Information:

Area of Interest: Liquid membranes, waste water treatment, bio-chemical engineering.

Event Organized: 3

Sr. No.	Name of Organizing member	Name of Programme	Dates of Programme
1	Dr. M. Chakraborty & Mrs. Smita Gupta	TEQIP -II sponsored One Day workshop on “ Six-Sigma & Statistical Analytical Tools” delivered by Mr Anup Ku. Das (General Manager, RIL, Hazira)	22 nd March 2013
2	Dr. M. Chakraborty & Mrs. Smita Gupta	TEQIP -II sponsored an expert lecture on “ Process Engineering and Design” delivered by Prof S. B. Thakore (L.D. College of Engineering, Ahemedabad)	16 th April 2013
3	Dr. M. Chakraborty & Mrs. Smita Gupta	TEQIP-II sponsored One Day workshop on “ How to face an Interview and Group Discussion” by Mr. Somnath Roy Choudhury (General Manager, RIL, Hazira)	9 th September 2013

1. **Administrative Responsibilities:** Convocation duty 2013.
2. **Book Chapter published in 2013-- Book Chapter** - Smita Gupta, Mousumi Chakraborty and Z.V.P. Murthy, (2013) MEMBRANE SEPARATIONS | Liquid Membranes: An Overview. In: Reedijk, J. (Ed.) Elsevier Reference Module in Chemistry, Molecular Sciences and Chemical Engineering. Waltham, MA: Elsevier. 29-Nov-13 doi: 10.1016/B978-0-12-409547-2.05832-7.

Awards Received

- **Qualify Gate** (Chemical Engineering) in 2004 with 87.52 Percentile.

Annexure-i

(i) Papers published in International Journal: 4

1. Smita Gupta, Mousumi Chakraborty, and Z.V.P. Murthy, Response surface modelling and optimization of mercury extraction through emulsion liquid membrane, *Separation Science and Technology*, Vol.46(No.15) (2011) 2332-2340. (Taylor & Francis Group Publication, USA).

2. Smita Gupta, Mousumi Chakraborty, and Z.V.P. Murthy, Optimization of process parameters for mercury extraction through pseudo-emulsion hollow fiber strip dispersion system, *Separation and Purification Technology*, Vol.114 (2013) 43–52. DOI: 10.1016/j.seppur.2013.04.020 (Elsevier Scientific Publication, USA)

3. Smita Gupta, Mousumi Chakraborty* and **Z.V.P. Murthy***, Removal of Mercury by Emulsion Liquid Membranes: Studies on Emulsion Stability and Scale Up, *Journal of Dispersion Science and Technology*, Vol.34 (No.12) (2013) 1733-1741. DOI: 10.1080/01932691.2013.767205 (Taylor & Francis Group Publication, USA) (Impact Factor: 0.600/2012)

4. Smita Gupta, Mousumi Chakraborty, and Z.V.P. Murthy, Performance study of hollow fiber supported liquid membrane system for the separation of bisphenol A from aqueous solution, *Journal of Industrial and Engineering Chemistry*, Vol. 20 (2014) 2138–2145. DOI: 10.1016/j.jiec.2013.09.043 (Elsevier Scientific Publication, USA)

Annexure: -ii

(ii) Papers published in National Journal: Nil

(Annexure -iii)

(iii) Papers published/presented in International Conference/Seminar: 1

Smita Gupta, Mousumi Chakraborty and Z.V.P. Murthy, Influence of Ionic Liquid on the Transport of Bisphenol A from Aqueous Solution through Hollow Fiber Supported Liquid Membrane. Presented at International Conference For Ionic Liquids 2013 (**ICIL 2013**), University of Malaya Kuala Lumpur, Langkawi island, Malaysia, December 2013.

(Annexure- iv)

(iv) Papers published/presented in National Conference/Seminar: 1

1. **Smita Gupta** and Rita Kar, Hyper thermostable laccase from sub optimally grown *Bacillus* cells with dye decolorization property. Presented at “NUCONE-2008” Organized by Nirma University, **Ahmedabad, Gujrat**, India, November 27-29, 2008.