

Mr. Mathurkumar Shambhubhai Bhakhar
Assistant Professor, Department of Chemical Engineering,
G. H. PATEL COLLEGE OF ENGINEERING & TECHNOLOGY
VALLABH VIDYANAGAR - 388 120, ANAND, GUJARAT, INDIA
Phone No: +91 - 2692 231651
E-mail: m_mbhakhar@yahoo.co.in

CURRICULUM VITAE

* Personal Details *

Name [in full] : Bhakhar Mathurkumar Shambhubhai
Date of Birth : March 09, 1974
Place of Birth : At/Post: Ankolawadi (Gir) – 362 140,
Ta: Talala, Dist: Junagadh, Gujarat, India.
Sex and Marital Status : Male, Married
Present Occupation : Assistant Professor
Department of Chemical Engineering,
G H Patel College of Engineering &
Technology, Vallabh Vidyanagar - 388 120,
Anand, Gujarat, INDIA.
Languages Known : Fluent in English, Hindi, and Gujarati

* Contact Details *

Mailing Address : B - 22, GCET College Quarters,
Nr. GCET College of Engineering,
Bakrol Road, Vallabh Vidyanagar - 388 120
Anand, Gujarat, INDIA
Phone No: +91 - 2692 232004 (pp)
E-mail: m_mbhakhar@yahoo.co.in
Permanent Address: : At / Post – Ankolawadi (Gir) - 362 140
TA: Talala, Dist: Junagadh, Gujarat, INDIA.

* Academic Qualifications *

Exam Passed	Examining Body/ University	Month & Year of Passing	Marks/Out of	Grade or Class
10 th Science	G.S.E.B. (Gandhinagar)	March - 1990	466/700	First
12 th Science	G.H.S.E.B. (Gandhinagar)	March - 1992	547/800	First
B.E. Chem. Engg.	Gujarat University D.D.I.T. (Nadiad)	April - 1997	1288/2000	First
M.E. Chem. Engg.	Gujarat University D.D.I.T. (Nadiad)	February - 2000	1058/1500	Distinction
Ph. D. Chem. Engg.	M S University Baroda	Continue	*****	*****

* Experience *

From 1st September - 1998 to 1st July - 2007 as a Lecturer and 1st
July - 2007 to present as a Assistant Professor

Name and Address of Organization	G. H. Patel College of Engg. & Technology, Bakrol Road, Vallabh Vidyanagar - 388 120, Anand, Gujarat (INDIA) affiliated to Sardar Patel University and recognized by AICTE.
Designation	Assistant Professor, recognized as undergraduate teacher for Department of Chemical Engineering by Sardar Patel University, Vallabh Vidyanagar.
Duration	Almost Eight Years (From 1 st September 1998 to till date).
Activities of Organization	Running undergraduate level programs (Bachelor of Engineering) for various disciplines like Chemical, Mechanical, Electronics, Electrical, Information Technology, and Computer engineering etc.

<p>Job Profile</p>	<ul style="list-style-type: none"> → Teaching of various subjects of Chemical Engineering (practical & theory) at undergraduate level such as Introduction to Chemical Engineering, Process Calculations, Fluid Flow Operations, Mechanical Operations, Mass Transfer Operations, Process Equipment Design and Drawing (Tutorial), Chemical Engineering Thermodynamics, Chemical Reaction Engineering (including Catalytic, Non - Catalytic Reaction and Reactor Design), and Novel Separation Techniques etc. → Guiding final year students of B.E. Chemical for Seminar and Project in different areas of chemical engineering. → Teaching of various subjects at postgraduate level (Industrial Biotechnology, Department of Bioscience, S P University) such as Chemical Engineering Thermodynamic & Biotechnology and Transport Processes. → Involved in theory and practical examination at undergraduate as well as postgraduate level of the various Colleges and Departments. → As a counselor for the students of third year Chemical Engineering for their personal educational problems and providing moral support for critical thinking and solution. → Actively involved in co-curricular and extra curricular activities, industrial visits and training for students to well known industrial organizations. → Working as boy's hostel superintendent since last five years.
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* TITLE OF RESEARCH PROPOSAL *

Currently, I involved with research project entitled as "Kinetic Studies of the Extraction of Heavy Metals from Aqueous Liquid Stream into Emulsion Liquid Membrane (ELM)".

* RESEARCH PAPER *

(1) M. S. Bhakhar and N. S. Jayakumar, "An Experimental Investigation of Hydrolysis of Acetic Anhydride in a Spiral Tube Coil Reactor", Chemical Product Finder, the Journal of Materials and Equipment for the Process Industries, Vol. 23, No. 4, PP. 58 - 61, September 2004.

(2) M. S. Bhakhar and N. S. Jayakumar, "Mixing in Spiral Tube Coil Reactor; an Experimental Investigation", Chemical Engineering World, Vol. 40, No. 3, pp. 94 - 100, March 2005.

(3) M. S. Bhakhar and S. Ramamoorthy, "Characteristics of Fluidized Beds" Chemical Engineering World, Vol. 40, No. 1, pp. 43 - 48, January 2006.

(4) M. S. Bhakhar and K. Nath, "Removal of Copper (II) from Aqueous Liquid Stream by Adsorption onto Activated Fly ash: an Experimental Investigation" Chemical Engineering World, Vol. 41, No. 8, pp. 73 - 76, August 2006.

(5) M. S. Bhakhar, B. R. Sengupta and R. A. Sengupta, "Effect of Process Parameters on Removal of Copper (II) Under Ammoniacal condition From Aqueous Liquid Streams into Emulsion Liquid Membrane (Under Second Review, Hydrometallurgy, Published by Elsevier)

(6) M. S. Bhakhar, B. R. Sengupta and R. A. Sengupta, "Emulsion Swelling Behavior during Extraction of Cadmium using Emulsion Liquid Membranes. (Communicated for Publication to 'Chemical Engineering Journal' Published by Elsevier).

* PAPER PRESENTED *

(1) M. S. Bhakhar, "The Determination of Parameters for Removal of Industrial Color Waste by Acid Treated China Clay", Indian Chemical Engineering Congress - 2001.

(2) M. S. Bhakhar, "A Production of Furfural from Biomass Using Rice Hulls as a Row Material", Indian Chemical Engineering Congress - 2002.

(3) M.S. Bhakhar, "Microbial Production of Dextran in Batch Fermenter", Indian Chemical Engineering Congress - 2002

* SEMINAR ATTENDED *

(1) One Day National Seminar on "WTO - Opportunity or Threat to Technical Education in the Context of Excellence & Quality Assurance", Friday, 25th April 2003 at B & B Institute of Technology, Vallabh Vidyanagar - 388 120, Gujarat.

(2) Two Day National Symposium on "Advances in Polymer Science & Technology" APST - 2007, held during 16 - 17 March, 2007 at Hotel Welcom, RC Dutt Road, Vadodara.

* Industrial Training as a Part of Undergraduate Study *

(1) Attended in-plant training at DIAMINES AND CHEMICAL LIMITED, BARODA, Gujarat, India regularly during the period from 23 - 12 - 96 to 22 - 02 - 97.

(2) Attended in-plant training at GUJARAT REFINERY, BARODA, Gujarat, India regularly during the period from 24 -02- 97 to 26-04 - 97.

* LIST OF PROJECT GUIDED AT UNDERGRADUATE LEVEL *

(1) Production of Ammonia (Introduction, Literature Survey, Material and Energy Balance, Design of Equipments, Plant Location and Layout, Cost Estimation, Detail of Effluent treatment Plant).

- (2) Manufacturing of Glycerin.
- (3) Design of Packed Bed Absorption Tower.
- (4) Study of Distillation Control and Simulation.
- (5) Boilers: Performance Evaluation Efficiency and Enhancement technique.
- (6) Removal of Phenol from Waste Water by Liquid-Liquid Extraction Using Benzene – Toluene – Xylene (BTX) as a solvent.
- (7) Microbial Decolorization of Textile Dyes Waste (Reactive Violet – 5) A Bioreactor Approach.

* LIST OF SEMINAR GUIDED AT UNDERGRADUATE LEVEL *

- (1) Artificial Neural Network and Its Applications in Chemical Industries, Electronic Nose: A case Study.
- (2) Pump: Startup, Operation and Trouble Shooting.
- (3) Surface Area and Pore Size Distribution Measurement Techniques: An overview.
- (4) Membrane Technology: A gas Separation Process.
- (5) Latest trends and Innovations in Field of Chemical Engineering.
- (6) New Development in Pipeline Corrosion Control.
- (7) Fluidized Catalyst Cracking.