

## Dr. Jigna Samir Shah



**NAME & DESIGNATION:** Dr. Jigna Samir Shah  
Professor, Department of Pharmacology,  
Shri Sarvajanik Pharmacy College,  
Mehsana – 384 001,  
Gujarat, India.

### EDUCATIONAL QUALIFICATION:

Degree/Course	Institute	Year	Result (%)	Remarks
Ph. D.	Hemchandracharya North Gujarat University, Patan	2007	--	--
M. Pharm	L.M. College of Pharmacy, Ahmedabad	1997	69.9	University Third
B. Pharm	L.M. College of Pharmacy, Ahmedabad	1995	65.5	Gold medal in Pharmacology subject
GATE	IIT, Powai	1995	94.55	Ranked 63 <sup>rd</sup> all over India
H. S. C	Gandhinagar	1991	75.15	Distinction

### PROFESSIONAL EXPERIENCE:

Sr.No	Name of the organization	Designation	Duration	Experience
1	A. R. College of Pharmacy, Vallabhvidyanagar	Lecturer	04-07-1997 to 26-09-1998	1 yr. 2 mon.
2	Shri Sarvajanik Pharmacy College, Mehsana	Lecturer	29-09-1998 to 31-03-2004	5 yrs. 6 mon.
3	Shri Sarvajanik Pharmacy College, Mehsana	Assistant Professor	01-04-2004 to 02-06-2009	5 yrs. 2 mon.
4	Shri Sarvajanik Pharmacy College, Mehsana	Professor	03-06-2009 to till date	2 yr. 6 mon.

### SUBJECTS TAUGHT:

#### At Undergraduate Level

Anatomy, Physiology and Health Education  
Clinical Pharmacy  
Hospital Pharmacy  
Pharmacology and Chemotherapy  
Pharmacology and Drug Bio Evaluation  
Advances in Pharmacology

#### At Postgraduate level

Clinical Pharmacy Practice  
Hospital and Clinical Pharmacy  
Applied Pharmacotherapeutics I & II  
Research Methodology  
Clinical and Regulatory Affairs  
Cellular & Molecular Pharmacology

## RESEARCH EXPERIENCE:

- Research experience for Ph. D work : 4 years
- Research experience other than Ph. D work : 7 years
- Total experience : 14.5 years

## POST GRADUATE TEACHING EXPERIENCE:

- Ph. D. Guide at Gujarat Technological University since June, 2011.
- Involved in post graduate teaching since August 2005.
- Ph. D. student under guidance: 1
- M. Pharm. Students guided: 09
- M. Pharm. Students under guidance: 05
- Guided more than 30 B. Pharm. Students for their elective project

## ACADEMIC EXCELLENCY:

1. Awarded gold medal by **Gujarat University** for securing highest marks in Pharmacology subject in Final B. Pharm. (Yr. 1995).
2. Awarded first prize for the paper "Memory enhancing herbal medicines in Indian market: A survey" in 17<sup>th</sup> Annual Conference(Gujarat Chapter) of **Indian Pharmacological Society** held at S. K. Patel College of Pharmaceutical education and research, Ganpat Vidhyanagar on 19<sup>th</sup> Jan, 2003.
3. Awarded third prize for the paper "Contraceptives-A fresh look, merits and demerits" in **GUJCOST** sponsored state level competition held at Shree S. K. Patel college of Pharmaceutical Education & Research, Ganpat Vidhyanagar during 17-18<sup>th</sup> October 2003.

## RESEARCH PROJECTS CARRIED OUT:

1. A comparative study of antacid and antiulcer activity of two marketed herbal products in north Gujarat region.
2. Comparison of pharmacological screening of CNS depressant action of fused ring heterocyclic adduct with fused ring aromatic with benzodiazepine as standard.
3. CNS Depressant studies of synthesized urea derivatives and their potentiation activity with diazepam.
4. Mechanism of action of antiulcer activity of "Lucer" against experimentally induced gastric ulcers in rats.
5. Pharmacological screening of CNS depressant action of marketed herbal preparation "Lull".
6. Prevalence of anaemia amongst pregnant women and its socio-demographic associates in a rural area of Mehsana district in India.
7. Premenstrual syndrome and use of complementary and alternative therapies.
8. Prevalence of overweight and obesity among school children in Mehsana district in India.

9. Investigation of Neuropsychopharmacological Effects of a Polyherbal Formulation (PHF) On Learning and Memory Process in Rats.

**AREA OF INTEREST:**

- Gastrointestinal pharmacology
- Cardiovascular pharmacology
- Psychopharmacology

**REVIEWER TO THE JOURNAL:**

- International Journal of Ayurveda Research
- Journal of Basic and Clinical Research
- Journal of Pharmacy and Pharmacotherapeutics

**RESEARCH PUBLICATIONS:**

1. "Essential drug concept and rational drug use", published in **Advances in Biological Science**, 3:2004;73-77.
2. "Retigabine: A novel anticonvulsant drug", published in **Indian Journal of Pharmacology**, 37(5):2005;340-341.
3. "Mechanism of action of antiulcer activity of Bark Extracts of Manilkara hexandra against experimentally induced gastric ulcers in rats." published in **Phcog.net**, 2(5): 2006;40-45.
4. "Glucagon Like Peptide-1: A New Therapeutic Target for diabetes mellitus", published in **Indian Journal of Pharmacology** 38(4):2006; 231-237.
5. "A comparative study of antacid and antiulcer activity of two marketed herbal products in north Gujarat region", published in **Indian Drugs**, 43(9):2006;763-765.
6. "Mechanism of action of antiulcer activity of Lucer against Experimentally induced gastric ulcers in rats", published in **Aanarta**, 11:2006:179-183.
7. "Cholesteryl Ester Transfer Protein: A Potential target for the Treatment of Coronary Artery Disease", published in **Indian Journal of Pharmaceutical Sciences**, 69(6): 2007;735-740.
8. "Comparative clinical evaluation of herbal formulation with multivitamin formulation for learning and memory enhancement", published in **Asian Journal of Pharmaceutical & Clinical Research**, 3(1):2010;69-75.
9. "Pharmacoepidemiological study of learning and memory enhancing medicines: a comparison between herbal and allopathic formulations", published in **Research Journal of Pharmacy and Therapeutics**, 3(1):2010;433-439.
10. "Diabetes and Management of Lipid level Following PCI in Acute coronary Syndrome Patients", published in **International Journal of Pharmaceutical Research**, 1(4):2009,13-20.
11. "Comparison of pharmacological screening of CNS depressant action of fused ring heterocyclic adduct with fused ring aromatic with benzodiazepine as standard", published in **International Journal of Drug Development and Research**, 2(1):2010,20-26 .
12. "Stopping of Clopidogrel after Stent Implantation Causes Death/Mi", published in **Research J. Pharmacology and Pharmacodynamics** ; 2(2):2010,117-125.

13. "Investigation of Neuropsychopharmacological Effects of a Polyherbal Formulation (PHF) On Learning and Memory Process in Rats." In **Journal of Young Pharmacists**, 2011;3(2):119-124.
14. "Usage trends for memory and vitality-enhancing medicines: A pharmacoepidemiological study involving pharmacists of the Gujarat region" published in **International Journal of Ayurveda Research** 1(3): 2010,138-143.
15. "Modulatory effect of telmisartan on anti-inflammatory effect of rosiglitazone in adjuvant arthritis model" published in **International Journal of Research in Pharmaceutical and Biomedical Sciences** 2011; 2(2): 554-566 (ISSN: 2229-3701).
16. "Therapeutic Applications Of Monoclonal Antibodies" in **Systemic Reviews in Pharmacy** 2011;2(1):37-42. (ISSN 0975-8453).
17. "Significance of Estrogen in Acute Coronary Syndrome" **Research J. Pharmacology and Pharmacodynamics**. 3(4): July – August, 2011, 210-214 (ISSN 0975-4407).
18. "A review on BDNF and Neuronal Plasticity" ahead print in **International Journal of Advances in Pharmaceutical Research**, 2011;2(7):348 -353; ISSN: 2230 – 7583.
19. "Prevalence, assessment and clinical outcome Disparities in cardiovascular disease: An impact of gender" published in **International Journal Of Research In Pharmacy And Chemistry** 2011, 1(4):839-847 (ISSN:22312781)
20. "P- glycoprotein- a unique transporter pump" published in **Research Journal of Pharmacology and Pharmacodynamics** 2011,3(5)310-314. ISSN 0975-4407
21. "Interlinking Between Altered Thyroid State and Development of Insulin Resistance: A Review" published in **Research J. Pharmacology and Pharmacodynamics**; 3(5): 2011; 234-240 ISSN 0975-4407
22. "Evaluation of CNS depressant activity of a poly herbal formulation" published in **Instasci Journal of Pharmaceutical Sciences** 2011, 1(1):43-46.
23. "Mechanism of action of anti-ulcer activity of Lucer against experimentally induced gastric ulcers in rats" ahead print in **AYU** ISSN: Print -0974-852

#### **RESEARCHPAPER PRESENTATIONS AT VARIOUS CONFERENCES:**

1. "Mechanism of action of a polyherbal formulation against experimentally induced gastric ulcers in rats" in XIII Annual Conference (Gujarat Chapter) of **Indian Pharmacological Society** held at K. B. Institute of Pharmaceutical education and research, Gandhinagar on 2<sup>nd</sup> March, 1997.
2. "Memory enhancing herbal medicines in Indian market: A survey" in 17<sup>th</sup> Annual Conference (Gujarat Chapter) of **Indian Pharmacological Society** held at S. K. Patel College of Pharmaceutical education and research, GanpatVidhyanagar on 19<sup>th</sup> Jan, 2003.(**Awarded first prize**)
3. "Contraceptives-A fresh look, merits and demerits" in **GUJCOST** sponsored state level competition held at Shree S. K. Patel college of Pharmaceutical Education & Research, GanpatVidhyanagar during 17-18<sup>th</sup>October 2003. (**Awarded third prize**)
4. "Cessation of smoking: role of pharmacist" in **GUJCOST** sponsored state level competition held at Shree S. K. Patel college of Pharmaceutical Education & Research, Ganpat Vidhyanagar during 17-18<sup>th</sup>October 2003.
5. "Quality evaluation of Market Samples of Diclofenac SR products in north Gujarat Region" in **GUJCOST** sponsored state level competition held at Shree S. K. Patel

college of Pharmaceutical Education & Research, Ganpat Vidhyanagar during 17-18<sup>th</sup> October 2003.

6. "Incorporation of Entrepreneurship development as a subject in pharmacy curriculum" in **International Conference of Indian Pharmacy graduates**, Annamalai during 8-9<sup>th</sup> November 2003.
7. "Essential drug concept: rational use of drugs" in **International Conference of Indian Pharmacy graduates**, Annamalai during 8-9<sup>th</sup> November 2003.
8. "Restructuring pharmacology practicals at undergraduate level in pharmacy education" in 55<sup>th</sup> **IPC**, Chennai during 19<sup>th</sup>-21<sup>st</sup> December, 2003.
9. "Antibacterial activity of Polyherbal formulation" in 18<sup>th</sup> Annual conference of **Indian Pharmacological Society**, Gujarat chapter at Anand Pharmacy College on 1<sup>st</sup> February 2004.
10. "Career planning After Graduation: A SWOT Analysis" in **International Convention of APTI** at Visakhapatnam during 2<sup>nd</sup>-3<sup>rd</sup> October 2004.
11. "Encouraging A Spirit of Enterprise: Need of the hour in India" in **International Convention of APTI** at Visakhapatnam during 2<sup>nd</sup>-3<sup>rd</sup> October 2004.
12. "Antacid and antiulcer herbal preparations in North Gujarat region: A Survey" in **International Convention of APTI** at Visakhapatnam during 2<sup>nd</sup>-3<sup>rd</sup> October 2004.
13. "Prevalence and Prescription Trends in cancer in Ahmedabad district" in **International Convention of APTI** at Visakhapatnam during 2<sup>nd</sup>-3<sup>rd</sup> October 2004.
14. "Changing trends in Pharmacoinformatics" in **International Convention of APTI** at Visakhapatnam during 2<sup>nd</sup>-3<sup>rd</sup> October 2004.
15. "The global strategy (GS) for infant and young child feeding: Role of pharmacist in health care system" in State level paper presentation competition by **GUJCOST** at Anand Pharmacy College, Anand on 23-24<sup>th</sup> December 2004.
16. "Role of pharmacist in self-care and self medication" in 56<sup>th</sup> **IPC** at Kolkata during December 2004.
17. "Prevalence and prescription trends in cancer in Ahmedabad district" in 9<sup>th</sup> Annual conference on **Bioactiveheterocycles and drug discovery paradigm** at Rajkot during 8-10<sup>th</sup> January 2005.
18. "Comparison of pharmacological screening of CNS depressant action of fused ring heterocyclic adduct with fused ring aromatic with benzodiazepine as standard" in 10<sup>th</sup> **APTI, National Convention** held at Nagpur during 17-18<sup>th</sup> October 2005.
19. "Mechanism of action of antiulcer activity of Lucer against Experimentally induced gastric ulcers in rats" in State level paper presentation competition by **GUJCOST** at KBIPER, Gandhinagar on December 2005.
20. "Comparative structure activity relationship studies of synthesized dipeptides of indanone acetic acid conjugated with mannich base on CNS depression" in Chemical Biology: Directing Biosynthesis held at Robinson College, **Cambridge, UK** during 11-13<sup>th</sup> September, 2006.
21. "CNS stimulation effect of semisynthetic adduct of caffeine with Schiff's base of pyrazolo-pyrimidine and pyrazolone nucleus" in 8th Annual Florida Heterocyclic IUPAC-Sponsored Conference Sponsored by: **International Union of Pure and Applied Chemistry at University of Florida, United States of America** during 11-14<sup>th</sup> March 2007.

22. "Comparative evaluation of regulatory requirement for generic solid oral dosage form in EU, USA, Brazil for common product development" in **61<sup>st</sup> Indian Pharmaceutical Congress** held at Nirma University, Ahmedabad during 11-13<sup>th</sup> December 2009.
23. "Prevalence of anaemia amongst pregnant women and its socio-demographic associates in a rural area of Mehsana district in India" in National Seminar On Drug Development And Evaluation: Pk-Pd Perspective at Institute of Pharmacy, Nirma University, Ahmedabad on 11<sup>th</sup> March 17, 2011.
24. "Prevalence of overweight and obesity among school children in Mehsana district in India" in National Seminar on Drug Development and Evaluation: Pk-Pd Perspective at Institute of Pharmacy, Nirma University, Ahmedabad on 11<sup>th</sup> March 17, 2011.
25. "Evaluation of CNS Depressant Activity Of A Marketed Poly Herbal Formulation (PHF)" in National Seminar On Drug Development And Evaluation: Pk-Pd Perspective at Institute of Pharmacy, Nirma University, Ahmedabad on 11<sup>th</sup> March 17, 2011.
26. "Premenstrual syndrome and use of complementary and alternative therapies" in National Seminar on Drug Development and Evaluation: Pk-Pd Perspective at Institute of Pharmacy, Nirma University, Ahmedabad on 11<sup>th</sup> March 17, 2011.
27. "Ticagrelor versus clopidogrel in acute coronary syndromes" in Indo American Pharmaceutical Regulatory symposium held at Institute of Pharmacy, Nirma University, Ahmedabad on 11-13<sup>th</sup> November, 2011.
28. "Correlation of overweight, obesity and life style factors among school children in Mehsana district in India" in Indo American Pharmaceutical Regulatory symposium held at Institute of Pharmacy, Nirma University, Ahmedabad on 11-13<sup>th</sup> November, 2011.
29. "Dengue Gene Uncovered" in Indo American Pharmaceutical Regulatory symposium held at Institute of Pharmacy, Nirma University, Ahmedabad on 11-13<sup>th</sup> November, 2011.

#### **CONFERENCES AND SEMINAR ATTENDED:**

1. Attended XIII Annual Conference (Gujarat Chapter) of Indian Pharmacological Society, K. B. Institute of Pharmaceutical education and research, Gandhinagar on 2<sup>nd</sup> March, 1997.
2. Attended International symposium on emerging trends in diabetes mellitus and Hypertension during 4<sup>th</sup>-6<sup>th</sup> Dec, 1997.
3. Attended XIV Annual Conference (Gujarat Chapter) of Indian Pharmacological Society, Pramukhswami Medical College, Karamsad on 22<sup>nd</sup> February, 1998.
4. Attended XV Annual Conference (Gujarat Chapter) of Indian Pharmacological Society, B. J. Medical College, Ahmedabad on 14<sup>th</sup> August, 1999.
5. Attended 17<sup>th</sup> annual conference of the Indian Pharmacological society, (Gujarat chapter) at Kherva on 19<sup>th</sup> January, 2003.
6. Attended 18<sup>th</sup> annual conference of the Indian Pharmacological society, (Gujarat chapter) at Anand on 1<sup>st</sup> February, 2004.
7. Attended Silvercon 2006 annual conference of Indian Pharmacological Society (Gujarat Chapter) at The Grand Bhagwati, Ahmedabad on 8<sup>th</sup> October, 2006.

8. Attended one day seminar on “Biotechnology in Gujarat” on 30<sup>th</sup> November 2006.
9. Attended one day work shop on Scientific Paper Writing at B. J. Medical College, Ahmedabad on 13<sup>rd</sup> January 2007.
10. Attended one-day workshop on “Accreditation Awareness” at MICA, Ahmedabad on 10<sup>th</sup> March, 2007.
11. Attended one day workshop on “Good Clinical Practice for pharmacologists” sponsored by ICMR, New Delhi at Shri Sarvajanik Pharmacy College, Mehsana on 28<sup>th</sup> April, 2007.
12. Attended one day workshop on “Patent awareness” sponsored by GUJCOST at Shri Sarvajanik Pharmacy College, Mehsana on 14<sup>th</sup> July, 2007.
13. Attended one month training programme of “Office Automation in the field of computer” at Shri Sarvajanik Pharmacy College, Mehsana, 20<sup>th</sup> July 2007.
14. Attended one day workshop on “Regulatory and Industrial Perspective on GMP and GLP in India vis a vis Developed countries” sponsored by CSIR, New Delhi at Shri Sarvajanik Pharmacy College, Mehsana on 11<sup>th</sup> February, 2010.
15. Attended one day workshop on “Role of CPCSEA in education and Research” sponsored by Ministry of Environment and Forests, Government of India, New Delhi at Nirma University Campus, Ahmedabad on 15<sup>th</sup> March, 2010.
16. Attended National Seminar On “Drug Development And Evaluation: Pk-Pd Perspective” at Institute of Pharmacy, Nirma University, Ahmedabad on 11<sup>th</sup> March, 2011.
17. Attended workshop organized by ASSOCHAM in association with DBT, GOI and CSIR on “Clinical Trials” at Hotel St. Lurn, Ahmedabad on 30<sup>th</sup> June, 2011.
18. Attended National workshop sponsored by AICTE on “Bioavailability and Bioequivalence studies” at SKPCPER, Ganpat University, Ganpatvidyanagar, Kherva, Mehsana on 26<sup>th</sup> -27<sup>th</sup> August, 2011.

#### **GUEST LECTURES DELIVERED:**

1. “Rational drug use” at one day workshop on “Good Clinical Practice for Pharmacologists” sponsored by ICMR, New Delhi at Shri Sarvajanik Pharmacy College, Mehsana on 28<sup>th</sup> April, 2007.
2. “Rational drug use” at National Pharmacy Week celebrations at various colleges of north gujarat and at Shri Sarvajanik Pharmacy College, Mehsana during November 2007.
3. “Self medication” workshop on “Regulatory and Industrial Perspective on GMP and GLP in India vis a vis Developed countries” sponsored by CSIR, New Delhi at Shri Sarvajanik Pharmacy College, Mehsana on 11<sup>th</sup> February, 2010.
4. “Documentation in Research” Lecture delivered as a part of Ph. D. course work at HNGU, Patan on 25<sup>th</sup> June, 2011.

**MEMBERSHIP:**

1. Lifetime member of LMCP ALUMNI Association & Research Society, No: LAARS/ LM/86
2. Lifetime member of The Indian Pharmaceutical Association (IPA), No: GUJ/ MEH/LM/0064.
3. Lifetime member of Indian Pharmacological Society (IPS), No: ML:122797.

**COCURRICULAR & EXTRACURRICULAR ACTIVITIES:**

1. Actively involved in planning, organization and conduct of Pre-GATE examinations for students of 3<sup>rd</sup> and 4<sup>th</sup> B. Pharm for GATE exam preparation at Shri Sarvajanik Pharmacy College, Mehsana.
2. Involved with keen interest in the college development activities like, examinations, cultural activities, helping in preparation of Standard Inspection Form & Mandatory Disclosure for AICTE and purchase of instruments at Shri Sarvajanik Pharmacy College, Mehsana during 2003 to 2007.
3. Actively involved in the preparation of Detailed Project Report for the proposal of M. Pharm course in the subject of Clinical Pharmacy at Shri Sarvajanik Pharmacy College, Mehsana during 2006-07.
4. Actively involved for the preparation of documents required for NBA (AICTE) accreditation at Shri Sarvajanik Pharmacy College, Mehsana, during 2007- 2008.
5. Actively engaged in cultural activities like Quiz competition, cultural event organization, annual day celebrations, debate competitions, sports week etc.
6. Coordinator of Placement Cell from 2004 to 2007. During these years actively involved in publication of college brochure and placement books, organizing campus interviews and seminars related to placement of the students.
7. Students' counselor for girls from 2004 to 2007.
8. Delivered guest lectures at one-day workshops and seminars.
9. Member, Board of Studies, Faculty of Pharmacy, CHARUSAT University, Changa since 2010.
10. Paper Setter and Examiner at following Universities:
  - Hemchandracharya North Gujarat University, Patan,
  - Ganpat University, Ganpat Vidyanagar, Kherva, Mehsana.
  - Gujarat Technological University, Gujarat
  - Nirma University, Ahmedabad.
11. Coordinator of Library and Drug Information and Health Centre, Shri Sarvajanik Pharmacy College, Mehsana.

**PERSONAL DETAILS:**

Date of Birth: July 6, 1974

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