

# Dr. Hitesh V. Chavda

**M. Pharm., Ph. D.**

Assistant Professor  
 Dept. of Pharmaceutics and Pharmaceutical Technology  
 Shri Sarvajanic Pharmacy College  
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**DON'T THINK ONLY, EXECUTE IT**

## PERSONAL STRENGTHS...

- Approaching life with excitement and energy; feeling alive and activated.
- Thinking of novel and productive ways to conceptualize and do things. Thinking things through and examining them from all sides; weighing all evidence fairly.
- Not shrinking from threat, challenge, difficulty, or pain; acting on convictions even if unpopular.

## PERSONAL PARTICULARS...

- Name : HITESH VINODBHAI CHAVDA
- Address : 07, Asharamjinagar Society, Somnath Road, Mehsana, Gujarat 384001
- Date of Birth : July 31, 1981
- Mobile No. : 9427472354
- E-mail : hitcvd@yahoo.com
- Marital status : Married
- Nationality : Indian
- Gender : Male
- Languages Known : Gujarati, English, and Hindi
- Hobbies : Research, Reading, Cricket, Movies and Music

## EDUCATIONAL QUALIFICATIONS...

Degree / Course	Institute / University	Year	Result (%) / Remarks
Ph. D.*	Hemchandracharya North Gujarat University (HNGU), Patan, Gujarat	January 2011	Awarded
M. Pharm	S. K. Patel College of Pharmaceutical Education and Research, Kherva, Gujarat	2005	60.67%
B. Pharm	Shri Sarvajanic Pharmacy College, Mehsana, Gujarat	2003	60.23%
GATE	IIT, Chennai	2003	69.11%
H.S.C.	GSHSEB, Gandhinagar, Gujarat	1999	53.23%
S.S.C.	GSEB, Gandhinagar, Gujarat	1997	82.43%

\* Ph D degree awarded, January 2011, in Pharmaceutical Sciences by HNGU, Patan, Gujarat for thesis entitled "Superporous Hydrogel Based Drug Delivery Systems" under the guidance of Prof. (Dr.) C. N. Patel, Principal, Shri Sarvajanik Pharmacy College, Mehsana, Gujarat.

## EXPERIENCE...

Designation	Institute / Company	Year	Experience	Description
Assistant Professor	Shri Sarvajanik Pharmacy College, HNGU and Gujarat Technological University, Mehsana, Gujarat	28/12/2005 to continue	6 year & 3 month	Subjects Taught *
Research Scholar	Shri Sarvajanik Pharmacy College, HNGU, Mehsana, Gujarat	15/06/2007 to 19/01/2011	3 year & 7 month	Superporous Hydrogel Based Drug Delivery Systems
Researcher	Shri Sarvajanik Pharmacy College, HNGU, Mehsana, Gujarat	15/06/2007 to continue	4 year & 10 month	NDDS

\*Subjects taught

UG level:

- Pharmaceutical Technology
- Dosage Form Design & Biopharmaceutics
- Pharmaceutics
- Dispensing Pharmacy
- Pharmaceutical Engineering
- Biological Pharmacy
- Microbiology & Biotechnology

PG level:

- Pharmaceutical Formulation, Development & Biopharmaceutics
- Novel Drug Delivery Systems
- Industrial Pharmacy
- Good Manufacturing and Good Laboratory Practice
- Regulatory Affairs and New Drug Application
- Global Regulatory Requirements
- Modern Analytical Techniques

## AREA OF RESEARCH INTEREST...

- Novel Drug Delivery Systems
- Superporous hydrogel based drug delivery systems and their applications
- Biodegradable Hydrogel Formulations

## REVIEWER, PUBLICATIONS, PRESENTATION DETAILS

- Ph D Co-guide for universities : 01
- Editor for Journals : 01 (National)
- Reviewer for Journals : 03 (International)
- Publications : 19 (06 International + 13 National)
  - Research Papers : 14 (03 International + 11 National)
  - Reviews : 05 (03 International + 02 National)
- Publications' Citations : 24
- Presentations : 06 (National)
- Conferences/Seminars Attended : 10 (National)
- Research Projects Completed : 10
- UG student guided : 20
- PG student guiding : 02

**PH D GUIDE FOR UNIVERSITIES (01)...**

1. Ph D CoGuide at Gujarat Technological University, Ahmedabad.

**EDITORIAL SERVICE FOR JOURNALS (01)...**

1. Instasci Journal of Pharmaceutical Sciences.

**REVIEWER SERVICE FOR JOURNALS (03)...**

1. Colloids and Surfaces B: Biointerfaces (Elsevier Journal, Impact Factor 2.780).
2. Materials Science and Engineering B (Elsevier Journal, Impact Factor 2.614).
3. Journal of Applied Polymer Science (Wiley Journal, Impact Factor 1.18).

**OTHER SERVICES (01)...**

1. Served as resource person, topic entitled "Superporous Hydrogel Preparation and Evaluation", at AICTE sponsored Two Week Staff Development Programme on "*Advances in Novel Drug Delivery Systems*" organized by Shri Sarvajanic Pharmacy College, Mehsana, Gujarat during 20/03/2012 to 02/04/2012.

**INTERNATIONAL / NATIONAL PUBLICATIONS (19)...****Main Author:**

1. Chavda HV\*, Patel MS, Patel CN. Preparation and in vitro evaluation of guar gum based triple-layer matrix tablet of diclofenac sodium. *Res Pharm Sci* **2012**; 7(1): 57-64.
2. Chavda HV\*, Patel CN. Pharmaceutical Formulations for Oral Transmucosal Drug Delivery. *News Tech* **2011**; 29:10-11.
3. Chavda HV\*, Patel CN, Modh KM, Panigrahi B. Preparation, Characterization and *In Vitro* Evaluation of Carbopol-based Superporous Hydrogel Composite. *Indian J Pharm Sci* **2011**; **Accepted** on 12/05/2011.
4. Chavda HV\*, Chaudhari TM, Patel CN. Antacids Incorporation in Immediate Release Tablets Failed to Improve the Stability of Omeprazole in Acidic Media. *J Pharm Negative Results* **2011**; 2(2):73-77.
5. Chavda HV\*, Patel CN. Stomach Specific Drug-Delivery System Based on Sodium Carboxymethylcellulose Superporous Hydrogel Composite: Preparation and *In Vitro* Evaluation. *Indian J Pharm Sci* **2011**; 73(1):30-37.
6. Chavda HV\*, Patel CN. Effect of Crosslinker Concentration on Characteristics of Superporous Hydrogel. *Int J Pharm Investigation* **2011**; 1(1):17-21. **[Cited by 1]**
7. Chavda HV\*, Patel CN. A newer formulation approach: superporous hydrogel composite-based bioadhesive drug-delivery system. *Asian J Pharm Sci* **2010**; 5(6): 239-250.
8. Chavda HV\*, Patel CN. Chitosan Superporous Hydrogel Composite-Based Floating Drug-Delivery System: A Newer Formulation Approach. *J Pharm Bioall Sci* **2010**; 2(2): 124-131. **[Cited by 4]**
9. Chavda HV\*, Patel CN, Prajapati ST, Patel CV. A Newer Formulation Approach Based on Superporous Hydrogel Particles for Gastroretentive Drug-Delivery System: Preparation and In Vitro Evaluation. *Inventi Impact: NDDS* **2010**; 1(1): Article ID: 2010nd70a (Published on Web 15/07/2010; www.inventi.in). **[Cited by 2]**
10. Chavda HV\*, Patel CN, Prajapati ST, Patel CV. A Newer Formulation Approach Based on Superporous Hydrogel Particles for Gastroretentive Drug-Delivery System: Preparation and In Vitro Evaluation. *Inventi Rapid: NDDS* **2010**; 1(1): Article ID: 2010nd70a (Published on Web 13/04/2010; www.inventi.in).
11. Chavda HV\*, Patel CN, Anand IS. Biopharmaceutics Classification System. *Syst Rev Pharm* **2010**; 1(1): 62-69. **[Cited by 3]**

12. Chavda HV\*, Patel CN. Preparation and Characterization of Swellable Polymer-based Superporous Hydrogel Composite of Poly (Acrylamide-co-Acrylic Acid). Trends Biomat Artif Organs **2010**; 24(2): 83-89. [Cited by 7]
13. Chavda HV\*, Patel CN. Effects of Solvent Treatments on Characteristics of Superporous Hydrogels. Ethiopian Pharm J **2009**; 27(1): 16-24.
14. Chavda HV\*, Patel CN, Karen HD. Preparation and Characterization of Chitosan-Based Superporous Hydrogel Composite. J Young Pharm **2009**; 1(3): 199-204. [Cited by 6]
15. Chavda HV\*, Patel CN. Aquaporins: Secret Highways for Water Transport. Pharm Reviews 6(2), Apr 11, **2008**.
16. Chavda HV\*, Patel CN, Patel AM, Patel BN. Supercritical Fluid: Green Solvent for Tomorrow. Pharm Reviews 5(3), May 16, **2007**.
17. Chavda HV\*. Dendrimers: Polymers of 21<sup>st</sup> Century. Pharm Reviews 5(1), Feb. 02, **2007**. [Cited by 1]  
**Co-author:**
18. Karen HD\*, Anand IS, Patel CN, Chavda HV, Patel JK. Formulation and evaluation of amphotericin-B as a lyophilized product. J Global Pharma Tech **2010**; 2(2): 75-78.
19. Parikh BN\*, Gothi GD, Patel TD, Chavda HV, Patel CN. Microsponge as Novel Topical Drug Delivery System. J Global Pharma Tech **2010**; 2(1): 17-29.

### PRESENTATIONS (06)...

1. Hingu SM, Karen HD, Chavda HV, Patel CN. Laser Technology in Pharmaceuticals. PP-CEU-UG-07. State Level Seminar "Pharma Vision 2020", Sept 24-25, 2011, Maliba Pharmacy College, Bardoli, Surat.
2. Sharma SH, Patel RM, Chavda HV, Karen HD, Patel CN. Three layer guar gum matrix tablets of Diclofenac Sodium. OP-PT-01. State Level Seminar "Pharma Vision 2020", Sept 18-19, 2010, Dharamaj Degree Pharmacy College, Dharmaj.
3. Patel RM, Chavda HV, Karen HD, Patel CN. Superporous hydrogel and its applications on Pharmacy. PP-PT-01. State Level Seminar "Pharma Vision 2020", Sept 18-19, 2010, Dharamaj Degree Pharmacy College, Dharmaj.
4. Limbachiya KS, Karen HD, Chavda HV, Anand IS, Patel CN. Restriction Fragment Length Polymorphism (RFLP) Technology. OP-PT-5. State Level Seminar "Pharma Vision 2020", Sept 12-13, 2009, S J Thakkar Pharmacy College, Rajkot.
5. Shah PK, Karen HD, Chavda HV, Anand IS, Patel CN. Chewing Gum: An Attractive Dosage Form. OP-PT-9. State Level Seminar "Pharma Vision 2020", Sept 12-13, 2009, S J Thakkar Pharmacy College, Rajkot.
6. Pandya HA, Patel MR, Chavda HV. NanoCrystals and SmartCrystals: Novel formulation Approaches for Poorly Water Soluble Drugs. PPPT 41. State Level Seminar "Pharma Vision 2020", Sept 12-13, 2009, S. J. Thakkar Pharmacy College, Rajkot.

### CONFERENCES/SEMINARS/WORKSHOP ATTENDED (10)...

1. AICTE sponsored One Week Staff Development Programme on "Applying management concepts in Teaching- A new perspective toward innovative Teaching" organized by K.B. Institute of Pharmaceutical Education and Research, Gandhinagar, Gujarat during 09/04/2012 to 14/04/2012.
2. AICTE sponsored Two Week Staff Development Programme on "Advances in Novel Drug Delivery Systems" organized by Shri Sarvajanic Pharmacy College, Mehsana, Gujarat during 20/03/2012 to 02/04/2012.
3. AICTE sponsored (Industry Institute Partnership Cell, IIPC) State Level Seminar on "Pharmaceutical Stress Testing" organized by Shri Sarvajanic Pharmacy College, Mehsana, on 23<sup>rd</sup> March 2012.

4. CSIR sponsored National Seminar on "Regulatory and Industrial Perspective on GMP and GLP in India *vis a vis* Developed Countries" organized by Shri Sarvajanik Pharmacy College, Mehsana, on 11<sup>th</sup> Feb 2010.
5. ICMR sponsored National Seminar on "Discovery and Development of New Chemical Entity and Product Development: Expanding Horizons of Pharmaceutical Industry" organized by Shri Sarvajanik Pharmacy College, Mehsana, on 28<sup>th</sup> February 2009
6. GUJCOST sponsored state level "Paper Presentation Competition for Pharmaceutical Sciences" organized by Shri Sarvajanik Pharmacy College, Mehsana, during 9-10<sup>th</sup> January, 2009.
7. PCI sponsored state level Orientation programme for pharmacy teachers on "Moulding Pharmaceutical Education in view of Current Developments in Pharmaceutical Sciences" organized by Shri Sarvajanik Pharmacy College, Mehsana, during 1-2<sup>nd</sup> February, 2008.
8. GUJCOST sponsored one-day Workshop on "Patent Awareness" organized by Shri Sarvajanik Pharmacy College, Mehsana, on 14<sup>th</sup> July, 2007.
9. ICMR sponsored one-day Workshop on "Good Clinical Practices for Pharmacologists" organized by Shri Sarvajanik Pharmacy College, Mehsana, on 28<sup>th</sup> April, 2007.
10. AICTE sponsored two-week Staff Development Programme on "Applications of Experimental Design, Statistical Analysis and Computer Graphics in Pharmaceutical Research" organized by S.K. Patel College of Pharmaceutical Education and Research, Ganpat University during 13 - 27<sup>th</sup> April, 2007.

#### **RESEARCH PROJECTS CARRIED OUT (10)...**

1. Chitosan Superporous Hydrogel Composite-Based Floating Drug-Delivery System, 2009.
2. Carbopol Superporous Hydrogel Composite-Based Bioadhesive Drug-Delivery System, 2009.
3. Stomach Specific Drug-Delivery System Based on Na-CMC Superporous Hydrogel Composite, 2009.
4. Role of Superporous Hydrogel Particles as a Swellable Polymer in Matrix Tablet Formulation, 2009.
5. Preparation and Characterization of Swellable Polymer-based Na-CMC Superporous Hydrogel Composite of Poly (Acrylamide-co-Acrylic Acid), 2008.
6. Preparation and Characterization of Chitosan-Based Superporous Hydrogel Composite, 2008.
7. Preparation and Characterization of Carbopol 934P-Based Superporous Hydrogel Composite, 2008.
8. Effect of Crosslinker Concentration on Characteristics of Superporous Hydrogel, 2008.
9. Effects of Solvent Treatments on Characteristics of Superporous Hydrogels, 2008.
10. Preparation and Characterization of Poly(Acrylamide-Co-Acrylic Acid) Superporous Hydrogel, 2008.

#### **GUIDE FOR STUDENTS' RESEARCH PROJECTS (11)...**

##### **Projects completed...**

1. Patel SK. Formulation and evaluation of Fast Dispersible Tablets of Aceclofenac, 2011.
2. Chaudhari TM. Formulation and Evaluation of Immediate Release Omeprazole Tablets, 2011.
3. Prajapati N, Joshi V. Solubility Enhancement of Cinnarizine and Flunarizine Using Various Solvent Systems, 2011.
4. Chaudhari SA. Solubility Enhancement of Valdecoxib Using Solid Dispersion Approach, 2010.
5. Patel MS. Three Layer Guar Gum Matrix Tablet of Diclofenac Sodium, 2010.
6. Patel JB. Solubility Enhancement of Flunarizine Using Solid Dispersion Approach, 2010.

7. Patel CV. Floating Tablet of Ranitidine HCl Containing Poly(Acrylamide-co-Acrylic Acid) Particles, 2010.
8. Patel DA. Synthesis and Characterization of New Super-absorbent Hydrogel Composites Based on Aqueous Carbopol Solution, 2009.
9. Chaudhari B. Effect of chitosan as a composite material on Superporous Hydrogel characteristics, 2009.

#### Projects going on...

10. Modhia Ishan. Preparation and evaluation of superporous hydrogel microparticles for intestinal delivery of Metoprolol succinate.
11. Patel Rupal. Role of superporous hydrogel particles as a superdisintegrant in fast disintegrating tablet formulation.

#### CO/EXTRA-CURRICULAR ACTIVITIES...

- GTU co-coordinator at Shri Sarvajanik Pharmacy College for 2010-11, 2011-12.
- The convener of the scientific publications and website maintenance committee at Shri Sarvajanik Pharmacy College. I have been involved in updating and maintaining the Website of Shri Sarvajanik Pharmacy College.
- The co-coordinator of Pharma-Exhibition 2009. The Pharma-Exhibition 2009 was a part of National Pharmacy Week celebration with the theme "Make Pharmacy Your Career" organized by SSPC and IPA Mehsana Branch on 30th and 31st December 2009. About 2600 students/general public became beneficiaries of Pharma-Exhibition 2009.
- I have delivered lectures for healthy nation and betterment of society under the banner of NPW at Mehsana territory.
- I have been involved in preparation and editing the SSPC e-Newsletter of Shri Sarvajanik Pharmacy College, Mehsana.
- I have been involved in the renovation of the infrastructure in Laboratory design, syllabus preparation, and preparation regarding NBA accreditation.
- I have been served as LOC member for Pharma-Champ since 2008.
- I am active in sports like Table Tennis, Badminton, Cricket, Carom and Chess.
- I have been served as LOC member, Scientific Committee, Pharma-Vision 2020 organized by Akhil Bhartiya Vidyarthi Parishad, Sept 24-25, 2011, Maliba Pharmacy College, Bardoli, Surat.

#### COMPUTER AND EDITING SKILLS...

- I have good command on computer related tasks.
- I have completed CCC (Certificate in Computer Concept) at BAOU.
- I can work with MS Office, MS-DOS, Internet, Windows 7/XP/Vista.
- I can install software, operating systems as well as some Hardware.
- I am involved in conceptualizing the Website of Shri Sarvajanik Pharmacy College, Mehsana with domain "www.sspcmsn.org".
- I have been involved in preparation and editing the SSPC e-Newsletter of Shri Sarvajanik Pharmacy College, Mehsana.

#### ORGANIZATIONAL CAPABILITIES...

1. Registered pharmacist (Registration No G-20633, Registration date: 04-11-2003) at Gujarat State Pharmacy Council, Gujarat, India.
2. Life member of Association of Pharmaceutical Teachers of India (APTI, GUJ/LM-165), Bangalore
3. Life member of SSPC Alumni Association, Shri Sarvajanik Pharmacy College, Mehsana, Gujarat

4. Life member of SKPCPER Alumni Association, Ganpat Vidyanagar, Mehsana, Gujarat

#### **REFERENCES...**

1. Dr. C. N. Patel, M. Pharm, Ph. D., Principal, Professor & Head, Dept. Pharmaceutical Chemistry, Shri Sarvajanik Pharmacy College, Mehsana, Gujarat (Contact: 9825607880, drcnpatel@sspcmsn.org).
2. Dr. D. M. Patel, M. Pharm, Ph. D., Professor & Head, Dept. of Pharmaceutics and Pharmaceutical Technology, Shri Sarvajanik Pharmacy College, Mehsana, Gujarat (Contact: 9426379406, drdmpatel@sspcmsn.org).
3. Dr. I. S. Anand, M. Sc, Ph. D., Professor & Head, Dept. of Pharmacology, Shri Sarvajanik Pharmacy College, Mehsana, Gujarat (Contact: 9426383239, drisanand@sspcmsn.org).

#### **DECLARATION**

I hereby declare that all the above information is true to the best of my knowledge.

**Dr. Hitesh V. Chavda**

**Date: 18/04/2012**

**Place: Mehsana, Gujarat**