

**Name** : Dr. Jayvadan K Patel  
**Designation** : Professor of Pharmaceutics and Principal  
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**Contact No.** : 9099063132, 9825565796  
**Date of Birth** : 4th August, 1974  
**Qualification** : M.Pharm., Ph.D., LLB., FICS  
**Date of Joining** : 30/09/2008  
**Teaching** : 19 years and 6 months  
**Experience Industrial** : 6 months  
**Other** : 13 years (Research)  
**PhD Students guided** : 30  
**M. Pharm Students guided** : 83  
**No. of Publications** : National: 66 and International: 88



**Details of best Publications (Title, Name of Journal, Date of Publication)**

1. Studies on anti-bacterial activity of galaga officinalis. *J. of Ethanopharmacology*. 2001; 77(1): 111-112. (**Impact Factor: 2.23**)
2. Nanorobot: A versatile tool in nanomedicine. *Journal of Drug Targeting*. 2006; 14(2): 63-67. (**Impact Factor: 3.024**)
3. Chitosan mediated targeted drug delivery system: a review. *J Pharm Pharmaceut Sci*. 2010; 13(3): 536-557. (**Impact Factor: 2.12**)
4. Central composite design for the formulation and optimization of a multi-unit potential colonic drug delivery system of budesonide for ulcerative colitis. *Die Pharmazie*. 2011; 66: 124-129. (**Impact Factor: 1.429**)
5. Formulation and evaluation of mucoadhesive glipizide films. *Acta Pharma*. 2011; 61(2): 203-216. (*Impact Factor: 1.312*)
6. Preparation and characterization of amoxicillin mucoadhesive microparticles using solution-enhanced dispersion by supercritical CO<sub>2</sub>. *Journal of Microencapsulation*. 2012; 29(4): 398-408. (**Impact Factor: 1.90**).
7. Investigating the Effect of CoCl<sub>2</sub> Administration on Diabetic Nephropathy and Associated Aortic Dysfunction. *Kidney Blood Press Res*. 2012: 35(6); 694-697. (**Impact Factor: 1.464**)
8. Biodegradable anionic acrylic resin based hollow microspheres of moderately water soluble drug rosiglitazone maleate: preparation and in-vitro, in-vivo characterization. *Drug Development and Industrial Pharmacy*. 2012: 38 (12); 1460–1469 (**Impact Factor: 1.618**)
9. pH Sensitive Polyelectrolyte Complex of O-Carboxymethyl Chitosan and Poly (Acrylic Acid) Cross-Linked with Calcium for Sustained Delivery of Acid Susceptible Drugs. *International Journal of Pharmaceutics*. 2012: 436; 418-425. (**Impact Factor: 4.090**)
10. Formulation and characterization of mucoadhesive microparticle of

cinnarizine HCl using supercritical fluid technique. *Current drug delivery*. 2013; 10(3); 317-325. (**Impact Factor: 1.728**)

11. Solubility enhancement using poly methacrylate polymer based solid dispersion. *Powder Technology*. 2015; 270(A): 27-38. (**Impact Factor: 2.499**)
12. Micronization of simvastatin by the supercritical antisolvent technique: In vitro–In vivo evaluation. *Journal of Microencapsulation*. 2015; 32(2): 193–200. (**Impact Factor: 1.90**)

**Book/chapters** : 19

**Presentations** : National: **162** and International: **25**

1. Received a grant of Rs. 15,000 from Maan Pharma. Ltd., for formulation and optimization of Multivitamin preparation
2. Received a grant of Rs. 5,000 from Maan Pharma. Ltd., for preparation of Dossier's for product registration in Nigeria and Ukrain
3. Received a grant of Rs. 1, 35,500 from **Indimet Inc. New York, USA** for formulation and characterization of Hydrogel using pH sensitive polymers

**Research Projects**

4. Received a grant of Rs. 1, 05,000 from Themis Medicare Ltd, Mumbai for project on new drug delivery system/ sustained/ extended release formulation
5. Received a grant of Rs. 19, 40,000 from **SERB/DST** (Department of Science and Technology, New Delhi), for “Micronization and dissolution rate improvement of poorly soluble drugs by supercritical assisted atomization technique” under scheme of Fast Tract Young Scientist.
6. Received grant of Rs. 19, 50,000 under Research Promotion Scheme (RPS) from **AICTE** for “formulation and characterization of brain targeted nanoparticles for Parkinson’s disease”.
7. Received grant of Rs. 37, 75,000 from **DHR/ICMR** for Training programmes in the area of Quality control (QC) and Quality assurance (QA). (Co-PI).
8. Received Minor Research Project grant of Rs. 1, 00,000 from **GUJCOST/DST** for “Stability indicating RP-HPLC method for simultaneous estimation of olmesartan medoxomil and chlorthalidone in

pharmaceutical dosage.” (Co-PI)

9. Received Minor Research Project grant of Rs. 70,000 from **GUJCOST/DST** for “Development and Validation of Analytical methods for the, Simultaneous estimation of some novel antihypertensive Drugs in their combined dosage forms.” (Co-PI)

**Patents**

: 01 (no. 197676, Published on 10/06/2011)

**Awards**

- Very prestigious “**APTI Young Pharmacy Teacher Award-2014**” by Association of Pharmaceutical Teachers of India.
- **GSA-CHARUSAT Best PhD thesis award-2014**, Guide category.
- **Principal of the Year-2014**, Award by Research Scholar Hub.
- **Young Scientist Award-2014** by Association of Pharmacy Professionals.
- **Young Pharmacist Award-2013** by Indian Pharmacy Graduate’s Association.
- **Fast Track Young Scientists Award-2008, Rs. 19.40 Lac by SERB (DST)**, New Delhi (SR/FT/LS-070/2008, 05/10/2008)
- **Outstanding Young Indians-2010** award by JCI India
- **Rashtriya Vidya Saraswati Puraskar-2011**
- **Bharat Gaurav Award** by Society for International Friendship and Understanding, New Delhi-2010
- Winner of First Prize for paper presentation at 57<sup>th</sup> Indian Pharmaceutical Congress, Hyderabad-December 2005
- **Best Teacher-2008** award by JCI India
- Winner of First Prize as co-author of poster at the state level seminar on Pharma Vision-2020 held by B. S. Patel College of Pharmacy, September 6-7, 2008
- **Outstanding Young Person-2009** award by JCI International
- Fellow member of Indian Chemical Society. (F/6728-2007)
- Worked as a Scientific Service Committee member at 61<sup>st</sup> Indian Pharmaceutical Congress on 11-13<sup>th</sup> December-2009 at Nirma University
- **Emerald Rotarian award-2003** by Rotary International
- **Rotary Youth leadership award** in 1999

**Speaker at conferences**

: 37

**Visit Overseas**

: United Kingdom (2004), Singapore (2005), United State of America (2005), United State of America (2006), United State of America (2012), UAE (2013), Bank Kong (2013), Singapore (2013) and Malaysia (2013) for research paper presentation/speaker.

**Travel grant**

: Received travel grants of Rs. 3, 56,000 for research presentations at various Pharmaceutical conferences from AICTE/DST/ICMR/CSIR

**Total Citations**

: 3090; h-index-28; i10-index-82