

CURRICULUM VITAE

1. Name: HARISH PADH, Ph.D.

Designation: **Vice Chancellor**

Sardar Patel University, Vallabh Vidyanagar, Gujarat

Advisor

NIPER - Ahmedabad

2. Education

No.	Institution	Degree	Year Awarded
1.	Gujarat University, Ahmedabad	Graduate	1971
2.	M. S. University, Baroda	Post-graduate	1973
3.	Univ. of Delhi, Delhi	Ph.D.	1978

3. Teaching/Research/Administrative Experience in various institutions

2010 - onwards Sardar Patel University, Vallabh Vidyanagar, Gujarat

- **Vice Chancellor**

2010 - onwards NIPER-Ahmedabad

- **Advisor**

2007-2010 **Project Director**, NIPER-Ahmedabad

1999-2010 B. V. Patel PERD Centre, Ahmedabad

- **Director**

2006 May-Oct. University of North Carolina, Chapel Hill, North Carolina, USA

- **Visiting faculty** (on Sabbatical) at School of Pharmacy

1996-2001 M. S. University of Baroda, Vadodara, India

-Professor

1993-95 Northwestern University, Center for Biotechnology, Evanston, IL. USA

-Assistant Director and Associate Professor

1987-93 University of Chicago, Department of Biochemistry & Molecular Biology.

-Assistant Professor-Research, Jan 1987-Sep 1992.

-Associate Professor-Research, Oct 1992-Apr 1993.

1981-86 Temple University Health Sciences Center, Philadelphia,

-Research Associate, Jan 1981-Dec 1983.

-Research Assistant Professor, Jan 1984-Dec 1986.

1979-80 St. Jude Children's Research Hospital, Memphis, TN

-Leon Journey Fellow.

1977-78 S. P. University, Department of Biosciences, Vallabh Vidyanager, India.

-Lecturer.

ADVISOR:

NIPER-Ahmedabad and PERD Centre

Government of Gujarat, on pharmaceuticals and biotechnology matters

Developed proposal and undertook feasibility for **Gujarat Biotech Park** at Savli

Developed proposal and designing **National Centre for Medical Device** for **NIPER**
Gandhinagar

Developed, designed and ran National Institute for Pharmaceutical Education &
Research (**NIPER**) at Ahmedabad, and developing Campus for the same at
Gandhinagar.

Ex- board of advisors for **SICART, GIRDA, ACTON Biotech, Vasu Pharma,**

Ex- senate member of North Gujarat University (3 years)

Member of the Board of **Gujarat Venture Finance Ltd.** (BT), Ahmedabad

Gujarat State Biotech Mission (**GSBTM**) Member of Executive Committee,

Governing Body as well as **Gujarat State Biotech Council**

Steering Committee for NIPERs, Dept. of Pharmaceuticals, Govt. of India (2007-10)

Ex-Member of several committees (**NBA, AICTE, DCGI** etc)

MEMBERSHIP:

Ex-Member: AICTE Western Regional Committee

Member: Indian Pharmacopoeia Working Group

Member: Editorial Board, **Indian Journal of Pharmaceutical Sciences** and **Indian Drugs**

Life Member: Society of Biological Chemistry, India

Life Member: Indian Society for Cell Biology.

Life Member: Indian Society for Biomedical Engineering.

Life member: Gujarat Science Academy: American Society for Cell Biology

Member: American Society for Biochemistry & Molecular Biology

Member: DBT, GOI appointed expert member on IBS committees of several pharma companies.

RECENT WORKSHOP/SYMPOSIA ORGANIZED:

Organized many symposia including three international symposia in last few years.

1. February 10-12, 2011, President, **Indo-Australian International Conference on "Biomaterial, tissue engineering and nanotechnology"**. Vallabh Vidyanagar.
2. February 26 – 27, 2008, **Symposium Secretary**, for Eighth International Symposium on **Advances in Technology & Business Potential of New Drug Delivery Systems**
3. November 25 -29, 2005, **Conference Secretary**, for 1st Indo-Japanese International Conference **on Advances in Pharmaceutical Research and Technology**
4. February 11-12, 2005, **Coordinator** for the two-day seminar on Drug Discovery, Development and Delivery in 21st Century: Academic-Industry Synergy
5. December 18, 2004, **Coordinator** for the seminar on **Global positioning of pharma sector: Challenges and opportunities for India**, at B. V. Patel PERD Centre, Ahmedabad
6. October 11-12, 2003, **Coordinator** for workshop on **Challenges in the development of novel therapeutics**, at B. V. Patel PERD Centre, Ahmedabad
7. January 31, 2003, **Chief-Coordinator** for **Presymposium workshop on Site Specific Drug Delivery**, at SciTech Centre, Jogeshwari, Mumbai.
8. From January 29-31, 2003, **Chief-Coordinator** for **Presymposium short course on Drug Discovery**, at SciTech Centre, Jogeshwari, Mumbai.
9. From February 1-3, 2003, **Chief-Coordinator** for **V International Symposium on Innovations in Pharmaceutical Sciences & Technology**, at ITC Grand Maratha Sheraton, Mumbai.
10. February 9, 2002 onwards. **Eight days certificate course on GMP and Quality Assurance** at B. V. Patel PERD Centre, Ahmedabad
11. July 2-8, 2001. Seven day course on **Analytical Instrumentation in Pharmaceutical Sciences** at B. V. Patel PERD Centre, Ahmedabad.
12. April 7-8, 2001. National Seminar on **Herbal Medicines: Present Status and Future Prospects** at B. V. Patel PERD Centre, Ahmedabad.
13. From February 4-6, 2000, **Convener** for **IV International Symposium on Innovations in Pharmaceutical Sciences & Technology**, at B. V. Patel PERD Centre, Ahmedabad.

14. From October 31-November 1, 1998, **Recent Advances in Biochemical Sciences**. The M. S. Univ. of Baroda, Vadodara.
15. On April 21, 1997, Organized a panel discussion on: **Today the Sheeep, Tomorrow the Shepherd: Possibility of Human Cloning**. The M. S. Univ. of Baroda, Vadodara.
16. On December 14, 1996, Organized and chaired seminar on : **Biotechnology in Diagnostics: Past, Present and Future**. The M. S. Univ. of Baroda, Vadodara.
17. On July 21, 1995, Organized and chaired the symposium on **Biotechnology: Policy and Trends**, at Northwestern University, Chicago, USA
18. On July 21, 1994, Organized and chaired the biotechnology symposium on **Technology Transfer** at Northwestern University, Chicago, USA.

RECENT MEETINGS ATTENDED:

Number of conferences/symposia attended in past few years:

Few examples:

1. Padh, H. Member of delegation of Vice-Chancellors from India. Leadership in Higher Education Program jointly organized by Yale University, USA and UGC, India. From September 25-October 8, 2011 at Yale University, New Haven, Connecticut, USA.
2. Padh, H. Attended international conference "Going Global in Education" organized by British Council at Hong Kong, March 10-12, 2011
3. Padh, H., Participated in International Conference on "Induced Pluripotent Stem Cells", November 5-8, 2010, organized by INSERM at NICE, France.
4. Padh H. Invited speaker at Indo-French Workshop on Pharmacogenomic, JIPMER, Pondichery, November 30 - 2 Dec., 2009
5. Padh H. Invited speaker at International workshop on Nanotechnology – Present Status and Future Prospects in Developing Countries, Kashan, Iran, May 18 – 12, 2009.
6. Padh H. Invited speaker at 1st CDRI-NIPER (RBL) symposium on Medicinal Chemistry and Pharmaceuticals Sciences, CDRI, Lucknow, May 25, 2009.
7. Padh H. Invited speaker at International Symposium on Ethics, Culture and Population Genomics, Indian Society of Human Genetics, New Delhi, May 18, 2009.
8. Padh H. Invited speaker at Deloitte-Imprints Symposium on Business of Biotechnology, organized by All India Biotech Association, October 21, 2008.
9. Padh H. Invited speaker at University Institute of Pharmaceutical Sciences, Punjab University, Chandigarh, July 16, 2008.
10. Padh H. Invited speaker at Indo-French International Conference on Pharmacogenetics, at Kochi, Kerala, India, December 11 -14, 2007.

11. Padh H. Participated in Dicty 2006, at New Mexico, USA, September 17 - 22, 2006.
12. Padh H. Participated in the Study Mission to Japan on Knowledge Management Benchmarking - 17 - 21 April, 2006
13. Padh H. (2005). Visited and delivered lectures in a series of six seminars at Gonoshasthaya Kendra People's Health Centre, Dhaka, Bangladesh
14. Padh H. (2005). Delivered B. V. Patel Memorial Lecture, at Indian Pharmaceutical Congress at Hyderabad on Pharmacogenetics: Genetic variation and drug response in Indian population.
15. Padh H. (2005). Participated in the conference on Therapeutic Applications of Computational Biology at Cambridge, UK, from 4 - 6, September, 2005.
16. Padh H. (2004). Participated in the AAPS workshop on Clinical Biomarkers in Drug Development: Efficacy Assessment, Balotimore, USA
17. Padh H. (2003). Participated in the ESF LESC exploratory workshop on "SNPs analysis, tools and application" at Madrid, Spain, from 28 - 29, November, 2003.
18. Padh H. (2003). Participated in the Workshop on "Working with the human genome sequencce" at London, from 19-21, May, 2003.
19. Padh H. (2003) Participated in the conference on "ESF Functional Genomics and Disease" at Prague, Czech Republic, from 14 - 17 May 2003.
20. Padh, H. (2003). Attended and presented poster in the CDB symposium on "The origin and formation of multicellular systems", at Kobe, Japan, from 24-26, March, 2003.
21. Padh, H. (2003) Attended and presented paper on "Biotechnology: Avenues for Developing Countries" during Asia Pharma Expo-2003 at Dhaka, Bangladesh, from February 22-24, 2003.
22. Padh, H. (2003) Attended and presented paper during Development Biology Conference at Kobe, Japan, organized by RIKEN Centre for Development Biology, from March 24-26, 2003. Presented paper on "Membrane dynamics during development of *Dictyostelium*".
23. Padh, H. (2002) Attended and presented paper during seminar on R & D Management at Seoul, Korea, organized by Asia Productivity Organization, from March 25-30, 2002. Presented paper on "Development of Indian Pharma sector: R & D issues".
24. Padh, H. (2001) Attended and presented paper during workshop on R & D Management in India at IIM, Kolkatta. Presented paper on "R & D management issues in Biotechnology and Healthcare Sectors".
25. Padh, H. (1997) Attended and presented invited paper during European Res Conf on "*Membrane Dynamics in Endocytosis: Molecular Mechanisms*", held at Barcelona, Spain, from September 13-18, 1997.
26. Padh, H. (1997) Attended and presented invited paper during Atelier #92, organized by INSERM, France on "*Analysis of Intracellular Membrane Transport*", held at Paris, France, from October 7-10, 1997.

Number of research papers and reviews published: over **140**

Number of additional abstracts and presentations: over **200**

List of Publications

□ **Book**

Padh H., Aduda B.O. and de Alwis A. P. Editors. **Nanotechnology : Present Status and Future Prospects in Developing Countries.** ISBN : 9788170357070. 2011, NAM S&T Center, New Delhi. Daya Publishing House.

□ **Research Publications**

In three sections: (Impact Factors for few publications listed as **IF**)

- **Pharmaceuticals Sciences**
- **Cell, Molecular Biology and Biotechnology Related**
- **General**

List of Publications – *Related to Pharmaceutical Sciences*

1. Shep Dhaneshwar, Ojha Ashwini, Patel Sweta, Nivsarkar Manish, Jaiswal Vijaya and Padh Harish. Bioequivalence and Pharmacokinetic Evaluation of Two Formulations of Fenofibrate 145 mg in Healthy Indian Subjects **Journal of Pharmaceutical and Biomedical Sciences** Vol. 07 (7), 1-5.
2. Astha Varma, Harish Padh, and Neeta Shrivastava Ecogeographical Phytochemistry of *Adhatoda vasica* Nees in Relation to Quantitative Variations of Alkaloids. **Journal of Planar Chromatography** 24 (2011) 5, 406–411 [**IF 1.3**]
3. D. N. Azmanov, S Dimitrova, L. Florez, S. Cherninkova, D. Draganov, B. Morar, R. Saat, M. Juan, J. I Arostegui, S. Ganguly, H. Soodyall, S. Chakrabarti, **Harish Padh**, M. A Lo´pez-Nevot, V. Chernodrinska, B. Anguelov, P. Majumder, L. Angelova, R. Kaneva, D. A. Mackey, I. Tournev and L. Kalaydjieva. LTBP2 and CYP1B1 mutations and associated ocular phenotypes in the Roma/Gypsy founder population. **European Journal of Human Genetics** 19, 326–333, 2011 [**IF 3.6**]
4. Shep, D., Ojha, A., Patel, S., Nivsarkar, M, Jaiswal, V and Padh H. Comparative bioavailability study of a new formulation of injection of 75 mg. Diclofenac Sodium in 1 ml. with the conventional injection of 75 mg. Diclofenac Sodium given in 3 ml. volume. **Current Clinical Pharmacology**, 6(1), 26 – 29, 2011. [**IF 2.8**]
5. Desai, P., Shrivastava, N., and Harish Padh. Production of heterologous proteins in plants: Strategies for optimal expression. **Biotechnology Advances** 28, 427-435, 2010. [**IF 8.25**]
6. Shep, D., Ojha, A., Patel, S., Nivsarkar, M, Jaiswal, V and Padh H. Pharmacokinetic profile of a new formulation of injection diclofenace in Indian volunteers with BMI> 25. **J. Pain Research**, 3, 235 – 240, 2010.
7. Shep, D., Ojha, A., Patel, S., Nivsarkar, M, Jaiswal, V and Padh H. Bioequivalence and Pharmacokinetic evaluation of two formulations of paracetamol ER 650 mg: A single dose randomized two period crossover comparison in healthy Indian adult

- volunteers. **International Journal of Current Pharmaceutical Research**, 2(4), 28 – 31, 2010.
8. Mahajan SG, Banerjee A, Chauhan BF, Padh H, Nivsarkar M, Mehta AA. Inhibitory effect of n-butanol fraction of *Moringa oleifera* Lam. seeds on ovalbumin-induced airway inflammation in a guinea pig model of asthma. *Int. J. Toxicol.* 28(6):519-27 2009. [IF 1.267]
 9. Hitesh Vaidya, Mandapati Rajani, Vasudevan Sudarsanam, Harish Padh, Ramesh Goyal. Swertiamarin: A lead from *Enicostemma littorale* Blume for anti-hyperlipidaemic effect. *European Journal of Pharmacology*, 617, 108 – 112, 2009. [IF 2.787]
 10. Ashwini Ojha, Rajeshwari Rathod and Harish Padh. Simultaneous HPLC-UV determination of rhein and aceclofenac in human plasma. *Journal of Chromatography B*, 877, 1145 – 1148, 2009. [IF 2.5]
 11. Ashwini Ojha, Dhaneshwar Shep, Manish Nivsarkar, sweta Patel, Vijayajaiswal and Harish Padh. Pharmacokinetic profile of a new formulation of injection diclofenac designed for intradeltoid use. *Expert Opinion on Pharmacotherapy*, Vol.10 (4) 517 – 522, 2009. [IF 2.077]
 12. Aryamitra Banerjee, arish Padh and Manish Nivsarkar. Role of the calcium channel in blastocyst implantation: A novel contraceptive target. **Journal of Basic & Clinical Physiology & Pharmacology**, Vol. 20 (1) 43 – 53, 2009. [IF 0.54]
 13. Manish Nivsarkar, Aryamitra Banerjee, Harish Padh. Cyclooxygenase inhibitors: a novel direction for Alzheimer's management. *Pharmacological Report*, 60, 692 – 698, 2008. [IF 2.167]
 14. Rajeshwari Rathod, L. Poorna Chandra Prasad, Shubha Rani, Manish Nivsarkar, Harish Padh. Estimation of Carvedilol in human plasma by using HPLC-fluorescence detector and its application to pharmacokinetic study. **Journal of Chromatography B**, 857, 219-223, 2007. [IF 2.5]
 15. Chaula Patel, Minal Patel, Shubha Rani, Manish Nivsarkar, Harish Padh. A new high performance liquid chromatographic method for quantification of atomoxetine in human plasma and its application for pharmacokinetic study. **Journal of Chromatography B**, 850, 356 - 360, 2007. [IF 2.5]
 16. Prashanth Kumar, Neelam S. Chauhan, Harish Padh, M. Rajani. Search for antibacterial and antifungal agents from selected Indian medicinal plants. **Journal of Ethnopharmacology**, 107, 182 - 188, 2006. [IF 2.26]
 17. Ajay. D Pillai, Shubha Rani, Parendu. D Rathod, Franklin. P Xavier, Harish Padh, Vasudevan Sudarsanam and Kamala. K Vasu. Tetra substituted thiophenes as anti-inflammatory agents: Exploitation of analogue-based drug design. **Bioorganic & Medicinal Chemistry**, 13, 6685-6692, 2005. [IF 3.075]
 18. Bhupendrasinh Chauhan, Shubha Rani, Swati Guttikar, Anjali Zope, Nimisha Jadon, Harish Padh. Analytical method development and validation of mianserin hydrochloride and its metabolite in human plasma by LC-MS. **Journal of Chromatography B**, 823, 69-74, 2005. [IF 2.5]
 19. Ajay. D Pillai, Shubha Rani, Parendu. D Rathod, Franklin. P Xavier, Kamala. K Vasu, Harish Padh and Vasudevan Sudarsanam. *Q.S.A.R Studies on Some Thiophene Analogs as Anti-inflammatory Agents: Enhancement of Activity by Electronic Parameters and its Utilization for Chemical Lead Optimization*. **Bioorganic & Medicinal Chemistry**, 13, 1275-1283, 2005. [IF 3.075]

20. Milind Bagul, H. Srinivasa, Harish Padh and M. Rajani. A rapid densitometric method for simultaneous quantification of gallic acid and ellagic acid in herbal raw materials using HPTLC. **J. Sep. Sci.**, 28, 581-584, 2005. [IF 2.746]
21. Patel M., Cherian B., Padh H., and Nivsarkar Manish. Olanzapine induced thrombocytopenia in Spargue-Daley rats. **Drug Chemical and Toxicology** 27(4), 379 - 387, 2004. [IF 1.409]
22. Shubha Rani, Swati Guttikar, Rajeshwari Rathod, Bapu Cherian, Manish Nivsarkar and Harish Padh. Determination of oral Meloxicam pharmacokinetic parameters in Asian Indians: Comparison with a German population. **Saudi Pharmaceutical Journal**, 12 (4), 144 - 149, 2004.
23. B. Pathak, K. Niranjan, H. Padh, M. Rajani. TLC densitometric method for the quantification of Eugenol and Gallic acid in Clove. **Chromatographia**, 60, 241 - 244, 2004. [IF 1.312]
24. Srinivasa, Milind S. Bagul, Harish Padh, Rajani M. A rapid densitometric method for the quantification of luteolin in medicinal plants using HPTLC. **Chromatographia**, 60, 131-134, 2004. [IF 1.312]
25. Ajay D. Pillai, Parendu D. Rathod, P.X Franklin., Harish Padh, Kamala K. Vasu, and V. Sudarsanam. Design, synthesis, and SAR studies of some 5-aliphatic oximino esters of thiophene as potential anti-inflammatory leads: Comparative biological activity profile of aliphatic oximes vs aromatic oximes. **Biochemical and Biophysical Research Communications**, 317, 1067-1074, 2004. [IF 2.648]
26. Ajay D. Pillai, P. D. Rathod, P. X. Franklin, M. Patel, M. Nivsarkar, K. K. Vasu, Harish Padh, and V. Sudarsanam. Novel drug designing approach for dual inhibitors as anti-inflammatory agents: implication of pyridine template. **Biochem Biophys Res Commun**. 301(1):183-186, 2003. [IF 2.648]
27. Rajani M., Saxena N., Ravishankara MN., and Padh H. Evaluation of antimicrobial activity of *Ammoniacum gum* from *Dorema ammoniacum* D. Don. **Pharmaceutical Biology**. 40(7):534-541, 2002. [IF 0.488]
28. Ravishankara M.N., Neeta Shrivastava, Harish Padh and Rajani M. Evaluation of antioxidant properties of root bark of *Hemidesmus indicus*. **Phytomedicine**. 9(2):153 - 161, 2002. [IF 2.330]
29. Ravishankara M.N., Neeta Shrivastava, Harish Padh and Rajani M. Evaluation of antioxidant properties of root bark of *Hemidesmus indicus*. **Phytomedicine**. 9(2):153 - 161, 2002. [IF 2.330]
30. Ravishankara M.N., Neeta Shrivastava, Harish Padh and Rajani M. HPTLC method for the estimation of alkaloids from *Cinchona officinalis* stem bark and its formulations. **Planta Medica** 67(3), 294-296, 2001. [IF 1.960]
31. Ravishankara M.N., Neeta Shrivastava, Padh H. and Rajani M. Sensitive high performance thin layer chromatography method for the estimation of diospyrin, antitumor inhibitory agent from stem bark of *Diospyrus montana* Roxb. **Journal of Chromatography B**. 744:257 - 262, 2000. [IF 2.5]
32. Padh, H. and Venkitasubramanian, T. A. Use of enzymes as medicines. **J. Health Sciences: Arogya** 1: 101-105, 1975. [IF 0.654]
33. P. X. Franklin, S.Yerande, H. M. Thakar, G. S. Inamdar, R. S. Giri, H. Padh, V. Sudarsanam and Kamala K. Vasu. Synthesis, antiinflammatory and HIV-1 integrase inhibitory activities of 1, 2-Bis[5-thiazolyl] ethane-1, 2-dione derivatives. **Indian J. Pharm. Sci.**, 71 (3), 259 – 263, 2009.

34. AsthaVarma, Harish Padh and Neeta Shrivastava. Andrographolide: A New Plant-Derived Antineoplastic Entity on Horizon. eCAM 2009, doi:10.1093/ecam/nep135.
35. Aryamitra Banerjee, Harish Padh and Manish Nivsarkar. Role of the calcium channel in blastocyst implantation: A novel contraceptive target. **Journal of Basic & Clinical Physiology & Pharmacology**, Vol. 20 (1) 43 – 53, 2009.
36. Shubha Rani, Gurmeet Singh, Aryamitra Banerjee, Manish Nivsarkar and Harish Padh. Single and Multiple dose toxicokinetics of Rofecoxib in Sprague Dawley Rats : Implication of drug accumulation and sex differences. **Adv. Pharmacol Toxicol.** 9 (1), 1 – 7, 2008.
37. Shubha Rani, Aryamitra Banerjee, Manish Nivsarkar, Gurmeet Singh, Minal Patel and Harish Padh. Serial and sparse sampling approaches in single and multiple dose toxicokinetic studies: A comparison. **Int. J. Pharmacol. Biol. Sci.** 2 (1) 71 – 78, 2008.
38. Ojha Ashwini, Guttikar Swati, Vayeda Chintan, Padh Harish. Determination of Pitavastatin from human plasma using High Performance Liquid Chromatography with Fluorescence Detection. **Chinese Journal of Chromatography**, 25 (5), 715-718, 2007.
39. Ashwini Ojha, Rajeshwari Rathod, Chaula Patel, Harish Padh. LC-MS Determination of Gabapentin from Human Plasma. **Journal of Chromatographia**, 2007. [IF 1.1]
40. Neelam Chauhan, Shubha Rani, H. Padh. Pharmacogenetics: Genetic Basis for Rational Drug Therapy. **Indian Journal of Pharmaceutical Sciences**, 69(2), 180 - 189, 2007. [IF 0.72]
41. Anti-hyperlipidemic effect of Carica Papaya in sprague dawley rats. Aryamitra Banerjee, Rakesh Vaghasiya, Neeta Shri vastava, Harish Padh and Manish Nivsarkar. **Nig. J. Nat. Prod. And Med.** 10, 69 - 72, 2006.
42. Shubha Rani and Harish Padh. Inter-Individual Variation in Pharmacokinetics of Proton Pump Inhibitors in Healthy Indian Males. **Indian Journal of Pharmaceutical Sciences**, 68(6), 754 - 759, 2006.
43. Shubha Rani, Monica Verma, Shivaprakash and Harish Padh. Formulations dependent variability in the pharmacokinetics: A case study with Metformin. **W. J. Med. Sci.**, 1(1), 9 - 13, 2006.
44. Shubha Rani, Swati Guttikar, Anjali Zope, Rajeshwari Rathod, Manish Nivsarkar and Harish Padh. Zafirlukast pharmacokinetics in healthy Indian male subjects: Possibility of interethnic variability. **Indian J. Allergy Asthma Immunol.** 19(2), 69 -73, 2006.
45. Chauhan B., Rani S., Nivsarkar M. and Padh H. A new liquid-liquid extraction method for determination of Montelukast in small volume human plasma samples using HPLC with Fluorescence Detector. **Ind. J. Pharma. Sci.**, 68(4), 517 - 520, 2006.
46. Manish Nivsarkar, Aryamitra Banerjee, Deval Shah, Jaimic Trivedi, Manoj Patel, Bapu Cherian and Harish Padh. Reduction in aluminum induced oxidative stress by Meloxicam in rat brain. **Iranian Biomedical Journal**, 10(3), 151-155, 2006.
47. Shubha Rani, M. Nivsarkar, Rajeshwari Rathod, Swati Guttikar and H. Padh. Bioequivalence of Fenofibrate tablet formulations in healthy Indian male subjects. **Indian J. Pharm. Sci.**, 67(3) 297 - 301, 2005.
48. A. Banerjee, N. Shrivastava, A. Kothari, H. Padh and M. Nivsarkar. Antiulcer activity of methanol extract of *Eclipta alba*. **Indian J. of Pharm. Sci.**, 67(2) 165 -168, 2005.
49. Nivsarkar Manish, Patel M., Padh H., Cherian B. And Shrivastava N. Blastocyst implantation failure in mice due to “non receptive endometrium” endometrial alterations by *Hibiscus rosa sinnensis* leaf extract. **Contraception** 71 (3), 227-230, 2005. [IF 2.37]

50. Cherian B., Rathod R., Guttikar S., Nivsarkar M., Shubha Rani and Padh H. A rapid, selective and sensitive method for extraction and analysis of Celecoxib in human plasma. **Indian Drugs**, 41(4): 221 - 225, 2004.
51. Shubha Rani and Harish Padh. Evaluation of truncated area under the curve and truncated area under the curve with limited blood samples in bioequivalence studies. **Indian J. Pharm. Sci.**, 65(4): 371 - 377, 2003.
52. Prashanthkumar V., Ravishankara M.N., Bagul M., Padh H., Rajani M. High performance thin layer chromatographic method for the estimation of rutin from medicinal plants. **Journal of Planar Chromatography - Modern TLC**, 16, 386-389, 2003. [IF 1.15]
53. Padh H. Pharmacokinetics:Chemical v/s protein therapeutics. **Indian Drugs**. 40(8):437 - 449, 2003.
54. Milind S. Bagul, Ravishankara M.N., Harish Padh and Rajani M. Phytochemical evaluation and free radical scavenging properties of rhizome of *Bergenia ciliata* (Haw) sternb. Forma *ligulata* Yeo. **J. Natural Remedies**. 3: 83-87, 2003.
55. Ravishankara M.N., Neeta Shrivastava, Harish Padh and Rajani M. Antioxidant activity of *Cinchona officinalis* stem bark extracts. **Oriental Pharmacy and Experimental Medicine**, 3(4), 205-211, 2003.
56. Nivsarkar M., Rathod P., Vasu K., Zope A., Sudarsanam V., Bapu C. And Padh H. Altered glucose tolerance by a Guanidinothiorea compound in Sprague Dawley Rats: Possible mechanism(s) for Hyperglycemia. **Indian Drugs**, 41(5): 294 - 297, 2004.
57. Niranjana K, Ravishankara M.N., Harish Padh and Rajani M. A new spectrophotometric method for the estimation of total alkaloids in the stem bark and seed of *Holarrhena antidysenterica* (Linn.) Wall and in the Ayurvedic formulation *Kutajarishta*. **Journal of Natural Remedies**. 2(2): 2002.
58. Shubha Rani, Guttikar Swati, Zope Anjali, Cherian Bapu, Nivsarkar Manish and Padh Harish. Pharmacokinetics of olanzapine in Asian Indians and comparison with other populations: Possibility of population diversity. **Indian Drugs**. 39(11):583 -588, 2002.
59. Ravishankara M.N., Neeta Shrivastava., Harish Padh and Rajani M. A simple spectrophotometric method for the estimation of total alkaloids from seed of *Lupinus albus* L. **Indian Drugs**. 39(9):494 - 496, 2002.
60. Nivsarkar M., Mukherjee M., Patel M., Padh H and Bapu C. *Launaea nudicaulis* leaf juice exhibits antiinflammatory action on acute and chronic inflammation models in rats. **Indian Drugs**. 39(5):290 - 292, 2002.
61. Rajani M, Ravishankara M.N., Neeta Shrivastava and Harish Padh. HPTLC aided phytochemical fingerprinting analysis as a tool for evaluation of herbal drugs. A case study of Ushaq (Ammoniacum gum). **J. Planar Chromatogr**. 14(1), 34-41, 2001. [IF 1.15]
62. Nivsarkar M., P. De, K.B. Patel, A. Katwa, H. Padh and C. Bapu. Subacute toxicity of COX-2 anti-inflammatory agent in mice. **Advances in Pharmacology and Toxicology**. 2(2) 29-34, 2001.
63. Manish Nivsarkar and Harish Padh. Pulse of Indian Pharmaceutical Sector - Issues and opportunities. Indian Pharma Industry: Issues and Options, **Saket Publications**. pp 37-53, 2001
64. Ravishankara M.N., Neeta Shrivastava, Harish Padh and Rajani M. Simultaneous determination of four alkaloids of *Cinchona officinalis* from the stem bark and formulations containing Cinchona by HPLC methods. **Indian Drugs** 38(5):248 - 253, 2001.

65. Ravishankara M.N., Neeta Shrivastava, Mahendru N., Harish Padh and Rajani M. Simple colourimetric method for the estimation of alkaloids from *Cinchona officinalis* stem bark and its formulations. **Indian J. Pharm. Sci.** 63(1):76 - 78, 2001.
66. Bapu, P. De, K.B. Patel, A. Katewa, M. Nivsarkar and H. Padh. Sub-acute toxicity of COX-2 anti-inflammatory agent in rat. **Ind. J. Toxicol.** 8(2) 163-168, 2001.
67. Shubha Rani and Harish Padh. Sparse sampling approach in rodent preclinical pharmacokinetic studies to reduce the use of animals. **Ind. J. Pharmacol.**, 33(3), 192, 2001.
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List of Publications – Cell, Molecular Biology and Biotechnology

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List of Publications – General

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112. Harish Padh and Rajani M. Integration of healthcare systems - Getting best of both the worlds. **Saket Industrial Digest**. 18 - 21, 2001.
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Prof. Harish Padh

SUPPORTED RECENT R & D PROJECTS BEING PURSUED/CARRIED OUT

Industry sponsored projects

Completed more than 100 industry sponsored projects in last five years

Source of Support: Various Indian pharma/herbal companies

Project/Proposal Title: Bioequivalence/toxicology and various other types

Period Covered: April/2005 to June/2010 (Five years)

Source of Support: Department of Pharmaceuticals, Government of India

No.52/137/2008-NIPER

Project/Proposal Title: Creation of Incubator Facilities at NIPER - Ahmedabad

Award: Rs.250 lacs for Two years

Period Covered: May, 2009 –

Source of Support: Industries Commissioner, Government of Gujarat

No.IC/Salt/R&D/09-10/2565

Project/Proposal Title: Centre of Excellence for Quality Assurance of Drugs

Award: Rs.119.40 lacs for Two years

Period Covered: June, 2009 –

Source of Support: Industries Commissioner, Government of Gujarat

No.IC/Salt/R&D/09-10/2574

Project/Proposal Title: Innovative Product Development Platform for SMEs

Award: Rs.73.80 lacs for Two years

Period Covered: June, 2009 –

Source of Support: Industries Commissioner, Government of Gujarat

No.IC/Salt/R&D/09-10/2568

Project/Proposal Title: Pharma Biotech Incubator Facility

Award: Rs.84 lacs for Two years

Period Covered: June, 2009 –

Source of Support: Industries Commissioner, Government of Gujarat

No.IC/Salt/R&D/09-10/2562

Project/Proposal Title: Biotech Pharma Link Unit for Converting Biological Therapeutics
into Dosage Forms for SMEs

Award: Rs.87 lacs for Two years

Period Covered: June, 2009 –

Source of Support: Department of Pharmaceuticals, Government of India

From 2009-2012

Project/Proposal Title: Development of novel drug delivery system for treatment of Tuberculosis.

Award: Rs. 100 lacs for Three years

Period Covered: June, 2009 –

Source of Support: DBT

No. BT/PR9905/NNT/28/64/2007

Project/Proposal Title: Drug Delivery and Drug Targeting using Nanoparticles

Award: Rs.56.74/- lacs for three years

Period Covered: December, 2007 –

Source of Support: DBT

No. BT/PR5540/Med/12/235/2004

Project/Proposal Title: Genetic variation in drug response in Indian population: Correlation
between Genotype and Phenotype

Award: Rs. 27.54/- lacs for three years

Period Covered: January, 2007 -

Source of Support: Industries Commissioner, Government of Gujarat

No. IC/PCIA/SSI/R & D/ BVP-PERD-3153/424

Project/Proposal Title: To establish Clinical Trials and Data Management for Healthcare
Industries

Award: Rs. 57,00,000/-

Period Covered: March, 2007 – February 2009

Source of Support: Department of Science & Technology, Government of India

Project/Proposal Title: Synthesis and evaluation of Novel Cephalosporins as antibacterial agents

Award: Rs. 83,85,000 for three years (Yr 2006-2009)

Location: PERD Centre

Source of Support: Industries Commissioner, Government of Gujarat

Project/Proposal Title: To set up Drug Discovery Unit at PERD

Award: Rs. 1,16,00,000/- for one year

Period Covered: April 2000 to March 2001

Location: PERD Centre

Source of Support: UNIDO, Switzerland

Project/Proposal Title: Pharma cluster in Ahmedabad - diagnostics for intervention

Award: Rs. 2,50,000/- for six months

Period Covered: April/2000 to September/2000

Source of Support: DBT No.

Project/Proposal Title: Phytochemical evaluation and micropropagation of medicinal plants

Award: Rs. 18,20,000/- for three years

Period Covered: April/02 to Mar/05

Source of Support: DST No. SP/SO/B05/97

Project/Proposal Title: Processing of LDL and cardiovascular diseases

Award: Rs. 17,02,315/- for three years

Period Covered: Sept/99 to Aug/02

Source of Support: CSIR No. 38(0973)/99/EMR-II

Project/Proposal Title: Gene Expression in Dictyostelium

Award: Rs. 5,98,000/- for three years

Period Covered: Oct/99 to Sept/02

Source of Support: Industries Commissioner, Government of Gujarat

Project/Proposal Title: Gujarat Biotech Park: Feasibility Study

Award: Rs. 2,00,000/- for six months

Period Covered: July 2000 to January 2001

Location: PERD Centre

Source of Support: Industries Commissioner, Government of Gujarat

Project/Proposal Title: To set up Biotechnology Centre at PERD

Award: Rs. 1,17,00,000/- for one year

Period Covered: April 2000 to March 2001

Location: PERD Centre

Source of Support: NDDDB, Anand

Project/Proposal Title: Developing Eukaryotic Expression System

Award: \$ 6,00,000/-- for two years

Period Covered: September 1998 to Aug. 2000

Location: M. S. University

Source of Support: National Science Foundation (NSF) No. MCB-9113366

Project/Proposal Title: Endocytosis in Dictyostelium: Role of Acidosomes as an Early Endocytic Compartment

Award: \$ 2,25,000.00 for three years

Period Covered: 9/1/92 to 12/31/95

Location: Northwestern University

Source of Support: National Institutes of Health (NIH) grant No. DK42086

Project/Proposal Title: Endocytosis in Dictyostelium

Annual Award: \$ 20,000.00

Period Covered: 9/1/91 to 8/31/92

Location: University of Chicago

Source of Support: Cystic Fibrosis Foundation /University of Chicago

Project/Proposal Title: Chloride channel in acidosomes of *Dictyostelium*

Annual Award: \$ 20,000.00

Period Covered: 9/1/89 to 8/31/91

Location: University of Chicago

Source of Support: National Institutes of Health (NIH) grant No. DE 05766

Project/Proposal Title: Vitamin C deficiency in diabetic gingivitis

Annual Award: \$ 2,00,000.00

Period Covered: 1/1/83 to 12/31/86

Location: Temple University, Philadelphia

Source of Support: National Institutes of Health (NIH) grant No. RR-5339.

Project/Proposal Title: Vitamin C transport in fibroblast

Annual Award: \$ 3,000.00

Period Covered: 1/1/84 to 12/31/84

Location: Temple University, Philadelphia
