

2015 onwards

1. Anshu Srivastava, Gaurav Garg, Poojadevi Sharma, Nancy Shah, Sonal Sharma, Neeta Shrivastava, Genetic diversity in chemically diverse accessions of *Bacopa monnieri*. *Journal of Planer Chromatography-Modern TLC* (Accepted).
2. Drashya Sharma, Shivangi Patel, Harish Padh and Priti Desai. "Immunoinformatic identification of potential epitopes against Shigellosis", *International Journal of Peptide Research and Therapeutics*. Accepted for publication. IF. 0.9
3. BhruguYagnik, Harish Padh and Priti Desai. "Construction of a new shuttle vector for DNA delivery into mammalian cells using non-invasive *Lactococcuslactis*" *Microbes and Infection*. 2016 (18) 237-244. IF. 2.9
4. BhruguYagnik, Drashya Sharma, Maitry Dave, Shivangi Patel, Harish Padh and Priti Desai. Factors affecting inducible expression of outer membrane protein A (OmpA) of *Shigelladysenteriae* type-1 in *Lactococcuslactis* using Nisin Inducible Controlled Expression (NICE)". *Indian Journal of Microbiology*. Jan-Mar 2016 56(1): 80-87. IF. 0.9
5. Sonal Sharma, Neeta Shrivastava. Renaissance in phytomedicines – Promising implications of NGS technologies. *Planta* 2016. (DOI 10.1007/s00425-016-24928)
6. Sonal Sharma, Neeta Shrivastava. DNA based simultaneous identification of three *Terminalia* species targeting adulteration. *Pharmacognosy Magazine*. (In Press)
7. Sonal Sharma, Neeta Shrivastava. Internal transcribed spacer guided multiplex PCR for species identification of *Convolvulus prostratus* and *Evolvulus alsinoides* traded as "Shankhpushpi". *Acta Pharmaceutica Sinica B* 2016. (DOI 10.1016/j.apsb.2016.02.003)
8. Singh, D.P., Borse, SP. and Nivsarkar, M. (2016) Clinical importance of nonsteroidal anti-inflammatory drug enteropathy: the relevance of tumor necrosis factor as a promising target. *Translational Research* (Accepted). Impact factor 5.03.
9. Shaikh, M.V., Kala, M. And Nivsarkar, M. (2016) CD90 a potential cancer stem cell marker and a therapeutic target. *Cancer Biomarkers* (Accepted). Impact factor 1.72.
10. Zunjar, V., Dash, R.P., Jivrajani, M. Trivedi, B. and Nivsarkar, M (2016). Antithrombocytopenic activity of carpaine and alkaloidal extract of *Carica papaya* Linn. leaves in busulfan induced thrombocytopenic Wistar rats. *Journal of Ethnopharmacology*. 181, 20-25. Impact Factor 2.998.
11. Singh, D.P., Borse, SP. and Nivsarkar, M. (2016) A novel model for NSAID induced gastroenteropathy in rats. *Journal of Pharmacological and Toxicological Methods*. 78, 66-75. Impact factor 2.39.
12. Kala, M. and Nivsarkar, M. (2016) Role of cortisol and Superoxide dismutase in psychological stress induced anovulation. *General and Comparative Endocrinology* 225, 117-124. Impact factor 2.823.
13. Simultaneous quantification of rosuvastatin and fenofibric acid by HPLC-UV in rat plasma and its application to pharmacokinetic study. *Journal of Liquid Chromatography and Related Technologies*. Impact Factor: 0.953 (Accepted)

2015 to 2010

1. Bhrugu Yagnik · Shivangi Patel · Maitree Dave · Drashya Sharma · Harish Padh · Priti Desai. Factors Affecting Inducible Expression of Outer Membrane Protein A (OmpA) of *Shigella dysenteriae* Type-1 in *Lactococcus lactis* Using Nisin Inducible Controlled Expression (NICE). *Indian Journal of Microbiology* 10/2015; DOI:10.1007/s12088-015-0556-2.
2. Dash RP, Ellendula B, Agarwal M, Nivsarkar M. Increased intestinal P-glycoprotein expression and activity with progression of diabetes and its modulation by epigallocatechin-3-gallate: Evidence from pharmacokinetic studies. *Eur J Pharmacol.* 2015 Oct 10. pii: S0014-2999(15)30290-9. doi: 10.1016/j.ejphar.2015.10.009.
3. Almal SH, Padh H. Frequency distribution of autoimmunity associated FCGR3B gene copy number in Indian population. *Int J Immunogenet.* 2015 Feb;42(1):26-30. doi: 10.1111/iji.12165.
4. Gupta A, Padh H. Analysis of CCR5 and SDF-1 genetic variants and HIV infection in Indian population. *Int J Immunogenet.* 2015 Aug;42(4):270-8. doi: 10.1111/iji.12215.
5. Bind S.K, Jivrajani M, Anandjiwala S, Nivsarkar M. (2015) Anti-inflammatory, Anti-estrogenic and Anti-implantation Activity of *Bergia suffruticosa* (Delile) Fenzl. *Pharmacognosy Magazine.* 11(44, Sup. 3), S407-S413. Impact Factor 1.525.
6. Shaikh, M.V., Kala, M., Ravat, N and Nivsarkar, M. (2015) Abortifacient Potential of Methanolic Extract of *Anthocephalus Cadamba* Stem Bark in Mice, *Journal of Ethnopharmacology* 173, 313-317. Impact factor 2.998
7. Dash, R.P. and Nivsarkar, M. (2015) Intestinal P-Glycoprotein: Pharmacokinetic Implications and Approaches for Enhancement of Oral Bioavailability of its Substrates. *Journal of Pharm. Sci and Therapeutics* 1(1) 19-42.
8. Nivsarkar, M., Maroo, S.H., Patel, K.R. and Patel, D.D. (2015) Evaluation of Skin Penetration of Diclofenac from a Novel Topical Non Aqueous Solution: A Comparative Bioavailability Study. *Journal of Clinical and Diagnostic Research.* Vol. 9(12), 11-13.
9. Dash, R.P., Ellendula, B., Agarwal, M. and Manish Nivsarkar. (2015) Increased intestinal P-glycoprotein expression and activity with progression of diabetes and its modulation by epigallocatechin-3-gallate: Evidence from pharmacokinetic studies. *European Journal of Pharmacology.* 767, 67-76. Impact factor 2.532.
10. Sagar, SR., Agarwal, J., Pandya, DH., Dash, RP., Nivsarkar, M. and Vasu, KK. (2015) Design, synthesis and biological evaluation of novel pyrazolo-pyrimidinones as DPP-IV inhibitors in diabetes. *Bioorganic and Medicinal Chemistry Letters.* 25(20), 4428-4433. Impact factor 2.793.
11. Chudasama, A., Shah, B., Patel V., Nivsarkar, M., Vasu, KK., Shishoo, CJ. (2015) Development of self emulsifying drug delivery system of itraconazole for oral delivery: formulation and pharmacokinetic consideration. *Journal of Pharmaceutical Investigation.* DOI: 10.1007/s40005-015-0172-5.
12. Makwana, V., Jain, R., Patel, K., Nivsarkar, M. and Joshi, A. (2015) Solid Lipid Nanoparticles (SLN) of Efavirenz as lymph targeting delivery system: Elucidation of

- mechanism of uptake using chylomicron flow blocking approach. *International Journal of Pharmaceutics* 495, 439-446. Impact factor 3.65.
13. Mahapatra, A., Shah, P., Jivrajani, M. and Nivsarkar, M. (2015) Synthesis and Blastocyst Implantation Inhibition potential of Lupeol Derivatives in Female Mice. *Reports on Natural Products* 9(4) 561-566. Impact factor 1.278.
 14. Yadav, H., Kumar, M., Nivsarkar, M. and Anandjiwala, S (2014) Multiple Marker-Based Evaluation of *Kalanchoe pinnata*, *Bombax ceiba*, and *Morus alba* Leaves: Quantification of α -Amyrin, Lupeol, and β -Sitosterol Using High-Performance Thin-Layer Chromatography. *Journal of Planar Chromatography* 27(6), 438–443. Impact factor 0.955.
 15. Jivrajani, M.N., Ravat, N., Anandjiwala, S and Nivsarkar, M (2014) Anti-estrogenic and anti-inflammatory potential of n-hexane fraction of *Vitex negundo* Linn leaf extract-A probable mechanism for blastocyst implantation failure in *Mus musculus*. *International Scholarly Research Notices. Article ID 241946, 1-8*.
 16. Jivrajani, M., Vaseem, M.S., Shrivastava, N. and Nivsarkar, M. (2014) An improved and versatile immunosuppression protocol for the development of tumor xenograft in mice. *Anticancer Research. 34(12), 7177-7183*. Impact factor 1.826.
 17. Sinha, S., Raghunandan, P., Pradhan R., Shishoo, C.J., Nivsarkar, M., Padh, H., Samantaray, J.C., Kishore, K. and Pandey, R.M (2014) The Comparison of Conventional and Novel Fixed Dose Combination of Rifampicin and Isoniazid to Improve Bioavailability of Rifampicin for Treatment of Tuberculosis. *J. Mycobac. Dis.* 4, 157, DOI 10.4172/2161-1068.1000157. Impact factor 0.972.
 18. Chudasama, A.S., Patel V.V., Nivsarkar M., Vasu, K.K. and Shishoo, C.J. (2014) *In vivo* evaluation of self emulsifying drug delivery system for oral delivery of nevirapine. *Indian Journal of Pharmaceutical Sciences.* 76 (3), 218-224. Impact factor 0.479.
 19. Chudasama, A.S., Patel V.V., Nivsarkar, M., Vasu K.K. and Shishoo, C.J. (2014) Role of lipid based excipients and their composition on the bioavailability of antiretroviral self emulsifying formulation. *Drug Delivery (Posted online on March 7, 2014)* DOI: 10.3109/10717544.2014.891270. Impact factor 2.558.
 20. Kalavadia, S., Dash, R. P., Misra, M., and Nivsarkar, M. (2014) Design and *In vivo* Evaluation of Gastrointestinal Mucoadhesive Patch System (GMPS) Loaded with Chitosan Nanoparticles. *International Journal of Pharmaceutical Development and Technology.* 4(4), 258-266. Impact factor 2.716.
 21. Dash, R.P., and Nivsarkar, M. (2014) Simultaneous quantification of epigallocatechin-3-gallate and Atorvastatin by using HPLC-UV method and its application to pharmacokinetic studies in rats. *International Journal of Pharmaceutical Research and Analysis* 4(5), 292-298. Impact factor 1.79.
 22. Gilani, A Dash, R.P., Jivrajani, M., Thakur, S.K., Nivsarkar, M. (2014) Evaluation of GABAergic transmission modulation as a novel functional target for management of multiple sclerosis: Exploring inhibitory effect of GABA on glutamate mediated excitotoxicity. *Advances in Pharmaceutical Sciences* Article ID632376, 1-6.
 23. Patil, D., Dash, R. P., Thakur S.K, Pandya, A., Venkatesh P., Vasu, K. K., and Nivsarkar, M. (2014) Discovery and pharmacological evaluation of novel thiazolo-thiophene derivative,

- MCD-KV-10 as an A2A and A2B receptor ligand for management of asthma. *J of Enzyme Inhibition and Medicinal Chemistry* 30 (2), 229-239.
24. Pathak, R., Dash, R. P., Misra, M., and Nivsarkar, M. (2014) Development and evaluation of in situ gelling mucoadhesive microemulsion of nimodipine for intranasal delivery: an approach for brain targeting. *Acta Pharmaceutica Sinica B* 4(2), 151-160.
 25. Patel H, Rathod, R., Dash R. P., and Nivsarkar, M. (2014) Simultaneous quantification of rosuvastatin and fenofibric acid by HPLC-UV in rat plasma and its application to pharmacokinetic study. *Journal of Liquid Chromatography and Related Technologies* 37, 1673-1684. Impact Factor: 0.953.
 26. Sheetal Yadav · Poojadevi Sharma · Anshu Srivastava · Priti Desai · Neeta Shrivastava. Strain specific Agrobacterium-mediated genetic transformation of *Bacopa monnieri*. *Journal of genetic engineering and biotechnology*. 12/2014; DOI:10.1016/j.jgeb.2014.11.003.
 27. Duppala, V., Dash, R.P., Jivrajani, M.N., Thakur, S.K., Ravat, N.M. and Nivsarkar, M. (2013) Simultaneous Quantification of Glibenclamide, Simvastatin and Quercetin by using LC-UV method and its application to Pharmacokinetic study in Rats. *Chromatography Research International*. Article ID 768160, 1-6.
 28. Dash, R. P., Jivrajani, M., Ravat, N., Anandjiwala, S. and Nivsarkar, M. (2013) Anti-inflammatory activity of the leaves of *Bergia suffruticosa* investigated on acute and chronic inflammation models in rats. *Australian Journal of Herbal Medicine* 25 (4), 195-200.
 29. Parekh, K., Dash, R. P., Pandya, A, Vasu, K. K. and Nivsarkar M. (2013) Implication of novel bis-imidazopyridines for management of Alzheimer's disease and establishment of its role on protein phosphatase 2A activity in brain. *Journal of Pharmacy and Pharmacology* 65, 1785-1795. Impact Factor: 2.033.
 30. Thakur, S. K., Ravat, N. M., Jivrajani, M. N., Dash, R. P., Anandjiwala, S., Nivsarkar, M. (2013) Ulcer protective effect of hydroalcoholic extract of *Bergia suffruticosa* in rats. *Australian Journal of Herbal Medicine* 25(2) 74-78.
 31. Goyani, V., Rathod, R., Dash R. P., and Nivsarkar, M. (2013) Simultaneous Quantification of Aliskiren, Valsartan and Sitagliptin by using Fluorescence LC Method: Evidence of Pharmacokinetic Interaction in Rats. *Chromatographia* 76 (9-10), 515-521. Impact Factor: 1.198.
 32. Upadhyay, D., Dash R.P., Anandjiwala, S., and Nivsarkar, M. (2013) Comparative pharmacokinetic profiles of picroside I and II from kutkin, *Picrorhiza kurroa* extract and its formulation in rat. *Fitoterapia* 85, 76-83. Impact Factor: 1.848
 33. Patil, S., Nivsarkar, M and Anandjiwala, S. (2013) Isolation and TLC-densitometric quantification of Lysergol from the seeds of *Ipomoea muricata* (Linn.) Jacq. *ISRN Chromatography* Article ID: 134586, 1-6.
 34. Jivrajani, M., Shrivastava, N. and Nivsarkar, M. (2013) A combination approach for rapid and high yielding purification of bacterial minicells. *Journal of Microbiological Methods* 92, 340-343. Impact Factor: 2.086.
 35. Patil, S., Dash, R. P., Anandjiwala, S. and Nivsarkar, M. (2013) Pharmacokinetic study of berberine from *Rasont* and implication of lysergol for its bioavailability enhancement.

- Journal of Liquid Chromatography and Related Technologies* 36, 336-348. Impact Factor: 0.953.
36. Sakhrani NM, Padh H Organelle Targeting: Third Level of Drug Targeting. 2013, Vol.7, 585-595
 37. Goyani, V., Rathod, R., Dash R. P., and Nivsarkar, M. (2013) Simultaneous Quantification of Aliskiren, Valsartan and Sitagliptin by using Fluorescence LC Method: Evidence of Pharmacokinetic Interaction in Rats. *Chromatographia* (Published online 8th March). Hitesh Patel, RajeshwariRathod, Ranjeet Prasad Dash, Manish Nivsarkar. (2013)
 38. Singh B., Nadkarni J.R., Vishwakarma R.A., Bharate S.B., Anandjiwala, S. and Nivsarkar, M. (2012) The hydroalcoholic extract of *Cassia alata* (Linn.) leaves and its major compound rhein exhibits anti-allergic activity *via* mast cell stabilization and lipoxygenase inhibition. *Journal of Ethnopharmacology* 141 (1), 469-473. Impact Factor: 3.014.
 39. Shep, D., Ojha, R., Rathod, R., Patel S., Nivsarkar M., Maroo, S. and Padh, H (2012) Bioequivalence Study of two oral formulations of Metamizole 500 mg in healthy volunteers. *International Journal of Pharmaceutical Sciences and Research*. 3(6), 1749-1752.
 40. Ghadvi R., Mishra, G.J., Reddy, M.N. and Nivsarkar, M (2012) Antihypertensive efficacy of *Lippia nodiflora* – whole plant on uninephrectomized DOCA – salt hypertensive rats. *IOSR Journal of Pharmacy*, 2(6), 24-28. Impact factor 1.448.
 41. Patil, S., Dash, R.P., Anandjiwala, S. and Nivsarkar, M. (2012) Simultaneous quantification of berberine and lysergol by HPLC-UV: Evidence that lysergol enhances the oral bioavailability of berberine in rats. *Biomedical Chromatography* 26, 1170–1175. Impact Factor: 1.966.
 42. Yadav, H., Mungara, P., Jivrajani, M., Nivsarkar, M and Anandjiwala S. (2012) TLC-Densitometric Quantification of Negundoside, Ursolic Acid, Eugenol, Lupeol and β -sitosterol using HPTLC from Vitex negundo Leaves. *Journal of Liquid Chromatography and Related Technologies* 35 (11), 1565-1584. Impact Factor: 0.953.
 43. Gupta A and Padh H. The global distribution of CCR5 delta 32 polymorphism: role in HIV-1 protection. *BMC Infectious Diseases* 2012, 12 (Suppl 1):O16 doi:10.1186/1471-2334-12-S1-O16.
 44. Almal SH, Gupta A and Padh H. SDF-1 gene polymorphism and CCL3L1 gene copy number and susceptibility to HIV-1/AIDS among Indians. *BMC Infectious Diseases* 2012, 12(Suppl 1):P50 doi:10.1186/1471-2334-12-S1-P50.
 45. D Dhawan, H Panchal, S Shukla, H Padh Genetic variability & chemotoxicity of 5-fluorouracil & cisplatin in head & neck cancer patients: a preliminary study. *The Indian Journal of Medical Research* 137 (1), 125, 2012.
 46. Almal SH. and Padh H. Implications of gene copy number variation in health and diseases. *Journal of Human Genetics* 2012 January; 57 (1): 6-13.
 47. Shep Dhaneshwar, Ojha Ashwini, Patel Sweta, Nivsarkar Manish, Jaiswal Vijaya, Padh Harish. “Bioequivalence and Pharmacokinetic evaluation of two Formulations of Fenofibrate 145mg in Healthy Indian Subjects. *Journal of Pharmaceutical and Biomedical Sciences*. (JPBMS), 7(7):1-5 (2011).

48. Milee Agarwal, Neeta Shrivastava, Harish Padh. Development of sex linked AFLP markers in *Simmondsia chinensis* Plant Breeding. 2011, (130) 114-116.
49. 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*. 2011, 19, 326–333,
50. Pund S., Joshi, A., Vasu, K., Nivsarkar, M. and Shishoo, CJ (2011) Gastroretentive delivery of rifampicin: *in vitro* mucoadhesion and *in vivo* gamma scintigraphy. *International Journal of Pharmaceutics* 411(1-2), 106-112. Impact Factor: 3.607.
51. Patel, V., Chudasama, A., Nivsarkar, M., Vasu, K and Shishoo, CJS (2011) Push-Pull osmotic pump for zero order delivery of lithium carbonate: development and *in vitro* characterization. *Pharmaceutical Development and Technology* 17 (3), 375-382. Impact Factor: 1.395.
52. Banerjee, A., Vasu, K., Pancholi, H., Rajani, M. and Nivsarkar, M (2011) Detoxification of *Nerium indicum* roots based on Indian System of Medicine: Phytochemical and Toxicological Evaluation. *Acta Poloniae-Drug Research* 68(6), 905-911. Impact Factor 0.66.
53. Banerjee, A., Padh, H and Nivsarkar, M. (2011) Hormonal Crosstalk with calcium channel blocker during implantation *Systems Biology in Reproductive Medicine* Vol. 57(4), 186-189. Impact Factor: 1.524.
54. Shep, D., Ojha, A., Patel, S., Nivsarkar, M, Jaiswal, V and Padh, H (2011) Bioequivalence and pharmacokinetic evaluation of two formulations of fenofibrate 145 mg in healthy Indian subjects. *Journal of Pharmaceutical and Biomedical Research* 7(7) 1-5.
55. Joshi, A., Pund SV., Nivsarkar, MA., Vasu KK and Shishoo, CJ (2011) Exploring the potential of polacrillin potassium as a novel superdistintegrant in microcrystalline cellulose based pellets prepared by extrusion-spheronization. *Chronicles of Young Scientists* Vol. 2(2), 114-116.
56. Chudasama, A., Patel V., Nivsarkar, M., Vasu, K.K. and Shishoo, CJ (2011) A novel lipid based oral drug delivery system of Nevirapine. *International Journal of Pharmaceutical Technology and Research*. Vol. 3(2), 1159-1168.
57. Chudasama, A., Patel V., Nivsarkar, M., Vasu, K.K. and Shishoo, CJ (2011) Investigation of microemulsion system for transdermal delivery of itraconazole. *Journal of Advanced Pharmaceutical Technology and Research* Vol. 2(1), 30-38.
58. Shep, D., Ojha, A., Patel, S., Nivsarkar, M, Jaiswal, V and Padh, H (2011) 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. Impact Factor: 2.500.
59. Vyas, T., Dash, R.P., Anandjiwala, S., Nivsarkar, M. (2011) Formulation and pharmacokinetic evaluation of hard gelatin capsule encapsulating lyophilized *Vasa Swaras* for improved stability and oral bioavailability of vasicine. *Fitoterapia*. 82(3), 446-453. Impact Factor: 1.899.

2010 to 2005

1. Dhaneshwar Shep, Ashwini Ojha, Sweta Patel, Manish Nivsarkar, Vijaya Jaiswal, Harish Padh. "Pharmacokinetic profile of an intradeltoid diclofenac injection in obese Indian volunteers." *Journal of Pain Research*. 3: 235–240 (2010)
2. Daneshwar Shep, Ashwini Ojha, Sweta Patel, Rajeshwari Rathod, Manish Nivsarkar, Vijaya Jaiswal, Harish Padh. "Bioequivalence and Pharmacokinetic Evaluation of Two Formulations of Paracetamol ER 650 mg: A Single Dose Randomized two periods Crossover Comparison in Healthy Indian Adult Volunteers." *International Journal of Current pharmaceutical research*. 2 (4): 28-31 (2010).
3. Shep, D., Ojha, A., Patel, S., Nivsarkar, M, Jaiswal, V and Padh, H. (2010) Pharmacokinetic profile of a new formulation of injection diclofenac in Indian volunteers with BMI > 25. *Journal of Pain Research*, 3, 235-240.
4. Shep, D., Ojha, A., Patel, S., Nivsarkar, M, Jaiswal, V and Padh, H. (2010) 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* Vol. 2(4) 28-31.
5. Dash, R.P., Chauhan, B.F., Anandjiwala, S., Nivsarkar M. (2010) Comparative pharmacokinetics profile of Vasa Swaras with vasicine and vasicinone. *Chromatographia*. 71(7), 609-615. Impact Factor: 1.438.
6. Pund, S., Joshi, A., Vasu, K., Nivsarkar, M., Shishoo, C.J. (2010) Multivariate optimization of formulation and process variables influencing physico-mechanical characteristics of site-specific release isoniazid pellets. *International Journal of Pharmaceutics*. 388, 64-72. Impact Factor: 3.607.
7. Desai PN, Shrivastava N, Padh H. Production of heterologous proteins in plants: Strategies for optimal expression. *Biotechnol Adv*, 2010 (28), 427- 435.
8. Mahajan, S., Banerjee, A., Chauhan, B., Padh, H., Nivsarkar, M. and Mehta, A. (2009) Inhibitory Effect of n-butanol fraction of *Moringa oleifera* Lam. Seeds on OVA-Induced Airway Inflammation in murine model of asthma. *International Journal of Toxicology* 28(6), 519-527. Impact Factor: 1.243.
9. Singh, B, Mungra, P., Nivsarkar, M and Anandjiwala, S (2009) HPTLC densitometric quantification of Glycyrrhizin, Glycyrrhetic Acid, Apigenin, Kaempferol and quercetin from *Glycyrrhiza glabra*. *Chromatographia* 70, 1665-1672. Impact Factor: 1.438.
10. Nivsarkar, M and Banerjee, A (2009) Establishing the probable mechanism of L-DOPA in Alzheimer's disease management. *Acta Polonica* 66(5), 483-486. Impact Factor: 0.66.
11. Banerjee, A., Padh, H. and Nivsarkar, M. (2009) Role of calcium channel in blastocyst implantation: A novel contraceptive target *Journal of Basic and Clinical Physiology and Pharmacology* 20 (1) 43-53.
12. Ojha, A., Shep, D., Nivsarkar, M., Patel, S., Jaiswal, V and Padh, H (2009) Pharmacokinetic profile of a new formulation of injection diclofenac designed for intradeltoid use. *Expert Opinion on Pharmacotherapy*. 10(4) 517-522. Impact Factor: 2.018.

13. Dhawan D. and Padh H. Pharmacogenetics: Technologies to detect copy number variations. *Current Opinion in Molecular Therapeutics* 2009 December; 11(6): 670-680
14. Bhavesh Vats, Harish Padh. Efficient cell lysis method for isolation of total RNA from slime mold *Dictyostellium*: Applicability in preparation of cDNA. *International Journal of Biotechnology and Biochemistry (IJBB)*. 2009, Vol. 5(1) 51 – 62.
15. Vats Bhavesh; Padh Harish. DNA passage to nuclei: role of endo-lysosomal circuit in eukaryotic *Dictyostelium*. *Canadian journal of microbiology*. 2009, Vol. 55(5) 617 – 21.
16. Johanna Sistonen, Silvia Fuselli, Jukka U. Palo, Neelam Chauhan, Harish Padh and Antti Sajantila. Pharmacogenetic variation at CYP2C9, CYP2C19, and CYP2D6 at global and microgeographic scales. *Pharmacogenetics and Genomics*. 2009 (19):170-179.
17. Astha Varma, Harish Padh, Neeta Shrivastava. Andrographolide: A new plant derived antineoplastic entity on horizon. *eCAM*, 2009. (doi: 10.1093/ecam/nep135) (Impact Factor, 2009 – 2.0640)
18. Priti N Desai, Neeta Shrivastava, Harish Padh. Production of heterologous proteins in plants: Strategies for optimal expression. *Biotechnology Advances* 28, 427-435, 2010. (Journal Impact Factor, 2009 – 8.25)
19. Nivsarkar, M., Banerjee, A. and Padh, A (2008) Cyclooxygenase inhibitors: A novel direction for Alzheimer's management. *Pharmacological Reports*. 60, 692-698. . Impact Factor: 2.45.
20. Chauhan, B, Patel, M.M., Padh, H. and Nivsarkar, M. (2008) Combination Therapeutic Approach for Asthma and Allergic Rhinitis. *Current Clinical Pharmacology*. 3(3), 185-197. Impact Factor: 2.500.
21. Joshi, A., Pund, S., Nivsarkar, M., Vasu, K. and Shishoo, C (2008) Dissolution test for site-specific release isoniazid pellets in USP Apparatus 3 (reciprocating cylinder): optimization using response surface methodologies. *European Journal of Pharmaceutics and Biopharmaceutics* 69(2), 769-775. Impact Factor: 4.304.
22. Rani, S., Singh, G., Banerjee, A., Nivsarkar, M and Padh, H. (2008) Single and multiple dose toxicokinetics of rofecoxib in Sprague Dawley rats: Implication of drug accumulation and sex differences. *Advances in Pharmacology and Toxicology* 9 (1) 1-7.
23. Rani, S., Banerjee, A., Nivsarkar, M., Singh, G., Patel, M and Padh, H. (2008) Serial and Sparse Sampling Approaches in Single and Multiple Dose Toxicokinetic Studies: A comparison. *International Journal of Pharmacology and Biological Sciences*. 2(1) 71-78.
24. Franklin, PX. Yerande, S., Sudarsanam, S., Padh, H., Nivsarkar, M. and Vasu, KK (2008) 2 Amino-5-thiazolyl Motif: A novel scaffold for designing anti-inflammatory agents of diverse structures. *European Journal of Medicinal Chemistry*. 43 (1), 129-134. Impact Factor: 3.193.
25. Anshu Srivastava, Neeta Shrivastava. Phytochemical and preclinical screening of aseptically produced herbal raw material: *Bacopa monnieri*. *Medicinal and Aromatic Plant Science and Biotechnology* 2: 123-127, 2008.

26. Milee Agarwal, Neeta Shrivastava, Harish Padh. Advances in molecular marker techniques and their application in plant sciences. *Plant Cell Reports* 27: 617-631, 2008. (Impact factor, 2009- 2.279).
27. Neeta Shrivastava, Anshu Srivastava. RNA interference: An emerging generation of biologicals. *Biotechnology Journal* 3: 339-353, 2008. (Impact Factor, 2009 – 2.1).
28. Sheetal Anandjiwala, Milind Bagul, Minoos Parabia, M. Rajani. Evaluation of free radical scavenging activity of an Ayurvedic formulation – *Panchvalkala*. *Indian Journal of Pharmaceutical Science* 70(1): 31–35, 2008.
29. Sanket Soni, Sheetal Anandjiwala, Ghanshyam Patel and M. Rajani. Validation of different methods of preparation of *Adhatoda vasica* leaf juice by quantification of total alkaloids and vasicine. *Indian Journal of Pharmaceutical Science* 70(1): 36-42, 2008.
30. Jyoti K, Sheetal Anandjiwala, H. Srinivasa, M Rajani. Effect of hydrolysis on the yield of hederagenin and high-performance thin-layer chromatography on densitometric quantification of hederagenin in fruit pericarp of *Sapindus* spp. *Journal of AOAC International* 91(5): 1174-1178, 2008.
31. Milee Agarwal, Neeta Shrivastava, Harish Padh. Advances in molecular marker techniques and their applications in plant sciences. *Plant Cell Reports*. 2008, (27) 617-631.
32. Sonia Guha and Harish Padh. Cathepsins: Fundamental effectors Endolysosomal Proteolysis. *Indian Journal of Biochemistry & Biophysics*, 2008, Vol.45, 75-90,
33. Milee Agarwal, Neeta Shrivastava, Harish Padh. Advances in molecular marker techniques and their applications in plant sciences. *Plant Cell Reports*. 2008, (27) 617-631.
34. Sonia Guha and Harish Padh. Cathepsins: Fundamental effectors Endolysosomal Proteolysis. *Indian Journal of Biochemistry & Biophysics*, 2008, Vol.45, 75-90,
35. Neeta Shrivastava, Anshu Srivastava. RNA interference: An emerging generation of biologicals. *Biotechnology Journal* 3, 339-353, 2008 (Impact Factor, 2009 – 2.1).
36. Astha Varma, Harish Padh, Neeta Shrivastava. Plant genomic DNA isolation: An art or a science. *Biotechnology Journal* 2, 386-392, 2007 (Impact Factor, 2009 – 2.1).
37. Neeta Shrivastava, Tejas Patel. *Clerodendrum* and health: An overview. *Medicinal and Aromatic Plant Sciences and Biotechnology* 1, 142-150, 2007.
38. Neeta Shrivastava, Tejas Patel. *Clerodendrum* and health: An overview – Part II, Phytochemistry and Biotechnology. *Medicinal and Aromatic Plant Sciences and Biotechnology* 209-223, 2007.
39. Astha Varma, Harish Padh, Neeta Shrivastava. Plant genomic DNA isolation: An art or a science. *Biotechnology Journal* 2: 386-392, 2007 (Impact Factor, 2009 – 2.1).
40. Neeta Shrivastava, Tejas Patel. *Clerodendrum* and health: An overview. *Medicinal and Aromatic Plant Sciences and Biotechnology* 1: 142-150, 2007.
41. Neeta Shrivastava, Tejas Patel. *Clerodendrum* and health: An overview – Part II, Phytochemistry and Biotechnology. *Medicinal and Aromatic Plant Sciences and Biotechnology* 1: 209-223, 2007.
42. Aryamitra Banerjee, Rakesh Vaghasiya, Neeta Shrivastava, Harish Padh, Manish Nivsarkar.

- Endometrial membrane response in *Mus musculus* during implantation by *Vitex negundo* Linn. *Animal Reproduction* 4: 46-50, 2007. (Impact factor, 2010 – 1.721)
43. Anshu Srivastava, Avani Kothari, M. Rajani, Harish Padh, Neeta Shrivastava. Sustainable production of a therapeutically important tree (*Holarrhena antidysenterica*) of India. *Medicinal and Aromatic Plant Science and Biotechnology* 1: 151-154, 2007.
 44. Pinal Patel, Anshu Srivastava, Neeta Shrivastava. Effect of sucrose concentrations on regenerative potential of *Bacopa monnieri* (L.) Pennell. *Indian Drugs* 44: 474-477, 2007. (Impact Factor, 2009 – 0.028)
 45. Neeta Shrivastava, Avani Kothari, Tejas Patel, Manish Nivsarkar. Phytochemical evaluation and radical scavenging activity of three members from family Asteraceae. *Indian Drugs* 44(10): 751-756, 2007. (Impact Factor, 2009 – 0.028)
 46. Sheetal Anandjiwala, H. Srinivasa and M. Rajani. Isolation and TLC densitometric quantification of gallicin, gallic acid, lupeol and β -sitosterol from *Bergia suffruticosa*, a hitherto unexplored plant. *Chromatographia* 66: 725-734, 2007.
 47. Sheetal Anandjiwala, H. Srinivasa, Jyoti Kalola and M. Rajani. Free radical scavenging activity of *Bergia suffruticosa* (Delile) Fenzl. *Journal of Natural Medicines* 61(1): 59-62, 2007.
 48. Sheetal Anandjiwala, Milind S. Bagul, H. Srinivasa, Jyoti Kalola, M. Rajani. Antioxidant activity of stem bark of *Thespesia populnea* Soland ex Corr. *Journal of Natural Remedies* 7(1): 135-141, 2007.
 49. Rakesh Vaghasiya, Aryamitra Banerjee, Neeta Shrivastava, Manish Nivsarkar. Analgesic and anti-inflammatory activity of hydroalcoholic extract of *Morus alba* Linn. *Indian Drugs* 44(5): 364-367, 2007. (Impact Factor, 2009 – 0.028).
 50. Bhavesh Vats, Harish Padh. Development of soil amoeba *Dictyostelium discoideum* as an expression system for recombinant human erythropoietin. *World J. Microbiol Biotechnol*, 2007, (23), 1511-1518.
 51. Neelam Chauhan, Shubha Rani & Harish Padh. Pharmacogenetics: genetic basis for rational drug therapy. *Indian Journal of Pharmaceutical Sciences*, 2007, March-April, 180-189.
 52. Sonia Guha, M. Rajani, Harish Padh. Identification and characterization of lipids from endosomes purified by electromagnetic chromatography. *Indian Journal of Biochemistry & Biophysics*, 2007, 44.
 53. Banerjee, A., Vaghasiya, R., Shrivastava, N., Padh, H. and Nivsarkar, M. (2007) Endometrial membrane response in *Mus musculus* during implantation by *Vitex negundo* Linn. *Animal Reproduction* 4, 46-50.
 54. Banerjee, A., Dholakia, D., Nivsarkar, M (2007) Alterations in uterine Environment by Adrenal Feedback Mechanism during Estrous Cycle. *Journal of Biological Research*. 8, 217-222. Impact Factor: 0.583.
 55. Banerjee, A., Vaghasiya, R. and Nivsarkar, M. (2007) Adrenalectomy potentiates the anti-inflammatory activity of a calcium channel blocker. *Journal of Basic and Clinical Physiology and Pharmacology*. 18(4), 299-306.

56. Shrivastava, N., Kothari, A., Patel, T and Nivsarkar, M. (2007) Phytochemical evaluation and radical scavenging activity of three members from family *asteraceae*. *Indian Drugs* 44(10), 751-756.
57. Rathod, R., Prasad, L.P., Rani, S., Nivsarkar, M. and Padh, H (2007) Estimation of carvedilol in human plasma by using HPLC-fluorescence detector and its application to pharmacokinetic study. *Journal of Chromatogr B Analytical Technology and Biomedical Life Sciences*. 857(2):219-23. Impact Factor: 2.971.
58. Vaghasiya, R., Banerjee, A., Shrivastava, N. and Nivsarkar, M. (2007) Analgesic and anti-inflammatory activity of hydroalcoholic extract of *Morus alba* Linn. *Indian Drugs* 44(5), 364-367.
59. Chaula Patel, Patel, M., Rani, S., Nivsarkar, M. and Padh, H. (2007) A new high performance liquid chromatographic method for determination of atomoxetine in human plasma and its application for pharmacokinetic study. *Journal of Chromatography B*. 850, 356-360. Impact Factor: 2.971.
60. Shubha Rani, Swati Guttikar, Anjali Zope, Rajeshwari Rathod, Manish Nivsarkar, and Harish Padh (2006). "Zafirlukast pharmacokinetics in healthy Indian male subjects: possibility of interethnic variability". *Indian J. Allergy Asthma Immunol*, 19(2), 69-73.
61. Shubha Rani, Monica Verma, Shivprakash and Harish Padh (2006). *Formulations dependent variability in the pharmacokinetics: A case study with metformin*. *W. J. Med. Sci.*, 1(1), 9-13.
62. Aryamitra Banerjee, Rakesh Vaghasiya, Neeta Shrivastava, Harish Padh, Manish Nivsarkar. Anti-hyperlipidemic effect of *Carica papaya* L. in Sprague-Dawley rats. *Nigerian Journal of Natural Products and Medicine* 10: 69-72, 2006.
63. Avani Kothari, Harish Padh, Neeta Shrivastava. *Ex situ* conservation method for *Clerodendrum inerme*: a medicinal plant of India. *African Journal of Biotechnology* 5: 415-418, 2006 (Impact factor, 2010 – 0.573).
64. Neeta Shrivastava, Anshu Srivastava, Aryamitra Banerjee, Manish Nivsarkar. Anti ulcer activity of *Adhatoda vasica* Nees. *Journal of Herbal Pharmacotherapy* 6, 43-50, 2006 (Impact factor, 2010 – 2.208).
65. Neeta Shrivastava, Tejas Patel, Anshu Srivastava, Biosynthetic potential of *in vitro* grown callus cells of *Cassia senna* L. var *senna*. *Current Science* 90: 1472-1473, 2006 (Impact Factor, 2010 - 0.782).
66. Avani Kothari, Megha Mehta, Tejas Patel, Neeta Shrivastava. Antibacterial activity of petroleum ether extract of fennel and cumin. *Advances in Biological Sciences*, 2006.
67. Sheetal Anandjiwala, Jyoti Kalola and M. Rajani. Quantification of eugenol, luteolin, ursolic acid and oleanolic acid in black (*Krishna Tulasi*) and green (*Sri Tulasi*) varieties of *Ocimum sanctum* Linn. using HPTLC. *Journal of AOAC International* 89(6): 1467-1474, 2006.
68. M Bagul, H. Srinivasa, Sheetal Anandjiwala, M. Rajani. Phytochemical evaluation and free radical scavenging activity of *Mesua ferrea* Linn. var. *ferrea* Linn. stamen. *Indian Drugs*. 43(8): 665-670, 2006.

69. Ashok M. Ghoghari, M. Rajani. Development and validation of TLC densitometric method for the quantification of hecogenin from *Agave americana* leaf using HPTLC. *Chromatographia* 64: 113-116, 2006.
70. Prashanthkumar V, Neelam Chauhan, Harish Padh, M. Rajani. Investigation on plant antibiotics – further search for antibacterial and antifungal agents from selected Indian medicinal plants. *Journal of Ethnopharmacology* 107(2): 182-188, 2006.
71. Jyoti Kalola, M. Rajani. A novel method for extraction of triterpenoid acids from *Terminalia arjuna* stem bark, avoiding tannin interference & development and validation of TLC densitometric method for the quantification of the triterpenoid acids arjungenin and arjunolic Acid. *Chromatographia* 63: 475-481, 2006. *Invited paper for special section on TLC.*
72. Milind S. Bagul, M. Rajani. Quantification of ellagic acid, gallic acid and picroside-I from *Phalatrikadi kvatha churna* by HPTLC. *Journal of Natural Remedies* 6(1): 53-61, 2006.
73. Kamlesh Dhalwal, Yogesh S. Biradar, M. Rajani. TLC densitometric methods for simultaneous quantification of phyllanthin, hypophyllanthin, gallic acid and ellagic acid in *Phyllanthus amarus* using HPTLC. *Journal of AOAC International* 27(3): 619-623, 2006. *Invited paper for special section on TLC.*
74. AM Ghoghari, MS Bagul, S Anandjiwala, MG Chauhan, M. Rajani. Free radical scavenging activity of *Aspidium cicutarium* rhizome. *Journal of Natural Remedies* 6(2): 131-134, 2006.
75. Banerjee, A., Vaghasiya, R., Shrivastava, N., Padh, H. and Nivsarkar, M. (2006) Anti-hyperlipidemic effect of *Carica papaya* L in Sprague-Dawley rats. *Nigerian Journal of Natural Products and Medicine*. 10, 69-72.
76. Chauhan, B., Rani, S., Nivsarkar, M and Padh, H (2006) A New Liquid-Liquid Extraction Method for Determination of Montelukast in Small Volume Human Plasma Samples Using HPLC with Fluorescence Detector. *Indian Journal of Pharmaceutical Sciences*. 68(4) 517-520. Impact Factor: 0.630.
77. Shrivastava, N., Srivastava, A., Banerjee, A and Nivsarkar, M (2006) Anti-Ulcer activity of *Adhatoda vasica* Nees. *Journal of Herbal Pharmacotherapy*. 6(2) 43-50.
78. Nivsarkar, M, Banerjee, A., Shah D., Trivedi, J., Patel, M., Bapu Cherian Padh, H. (2006) Reduction in aluminum induced oxidative stress by meloxicam in rat brain: an *in vivo* and *in vitro* study. *Iranian Biomedical Journal*. 10(3) 151-155.
79. Nivsarkar, M, Banerjee, A., Shah, D. and Kurani, S.P. (2006), Wound Healing Activity of Hemolok (Sepgard) Gel in Sprague Dawley Rats. *Advances in Pharmacology and Toxicology*. 7(1), 21-23.
80. Avani Kothari, Neeta Shrivastava. Antimicrobial activity of *Eclipta alba*. *Indian Drugs* 42: 133-135, 2005. (Impact Factor, 2009 – 0.028).
81. V. Prashanth Kumar, Neelam Chauhan, Harish Padh & M. Rajani. Search for antibacterial and antifungal agents from selected Indian medicinal plants. *Journal of Ethnopharmacology*, 2006, 107, 182-188.
82. Shubha Rani, Swati Guttikar, Anjali Zope, Rajeshwari Rathod, Manish Nivsarkar, and Harish Padh (2006). “Zafirlukast pharmacokinetics iAvani Kothari, Neeta Shrivastava. A study of antimicrobial activity of *Elephantopus scaber*. *Indian Journal of Pharmacology* 37: 126-127.

2005 to 2000

1. Banerjee, A., Shrivastava, N., Kothari, A., and Nivsarkar, M (2005) Wound Healing Activity Of *Tridax Procumbens*. *Advances in Pharmacology and Toxicology*. 6(1), 1-8.
2. Rani, S., Guttikar, S., Zope, A., Rathod, R. Nivsarkar, M. and Padh, H. (2005) Zafirlukast pharmacokinetics in healthy Indian male subjects: possibility of interethnic variability. *The Indian Journal of Allergy, Asthma and Immunology*. 19(2), 69-73.
3. Banerjee, A., Shrivastava, N., Padh, H and Nivsarkar, M. (2005) Anti Ulcer Activity of Methanolic Extract of *Sapindus Mukorossi*. *Indian Drugs*. 42(6), 380-383.
4. Rani, S., Nivsarkar, M, Rathod, R. Padh, H. (2005) Comparative bioavailability of micronised fenofibrate capsule with the newly developed formulation of fenofibrate (FENO-TG) in healthy human volunteers. *Cardiology Update*, (1) 29-32.
5. Rani, S., Nivsarkar, M, Rathod, R., Guttikar, S and Padh, H. (2005) Bioequivalence of fenofibrate tablet formulations in healthy Indian male subjects. *Indian Journal of Pharmaceutical Sciences*. 67(3), 297-301. Impact Factor: 0.630.
6. Nivsarkar, M, Patel, M., Padh, H., Cherian B. and Shrivastava, N. (2005), Blastocyst Implantation failure in mice due to “non receptive endometrium”: endometrial alterations by *Hibiscus rosa sinnensis* leaf extract. *Contraception* 71(3), 227-230. Impact Factor: 2.369.
7. Banerjee, A., Shrivastava, N., Kothari, A., Padh H. and Nivsarkar, M (2005) Anti Ulcer Activity of Methanolic Extract of *Eclipta Alba*. *Indian Journal of Pharmaceutical Sciences*. 67(2), 169-172. Impact Factor: 0.630.
8. Aryamitra Banerjee, Neeta Shrivastava, Harish Padh, Manish Nivsarkar. Antiulcer activity of methanolic extract of *Sapindus mukorossi*. *Indian Drugs* 42(6): 380-383, 2005. (Impact Factor, 2009 –0.028).
9. Aryamitra Banerjee, Neeta Shrivastava, Avani Kothari, Harish Padh, Manish Nivsarkar. Antiulcer activity of methanolic extract of *Eclipta alba*. *Indian Journal of Pharmaceutical Sciences* 67: 165-168, 2005. (Impact Factor, 2009 – 0.044).
10. Aryamitra Banerjee, Neeta Shrivastava, Avani Kothari, Manish Nivsarkar. Wound healing activity of *Tridax procumbance*. *Advances in Pharmacology Toxicology* 6(1): 1-8, 2005.
11. Manish Nivsarkar, Manoj Patel, Harish Padh, Bapu Cherian, Neeta Shrivastava. Blastocyte implantation failure due to ‘non receptive endometrium’: endometrial alterations by *Hibiscus rosa sinensis* leaf extract. *Contraception* 71: 227-230, 2005. (Impact factor, 2010 – 2.511).
12. S Selvanayagam, D Velmurugan, K Ravikumar, SM Sureban, Prashanth Kumar V, M. Rajani. Crystal structure of 3-hydroxy-3,5,9-trimethyl 1,3,3a,4,5,5a,6,7,8,9b-decahydro-2H[1,2c]-imidazole-2-one monohydrate from the plant *Sphaeranthus indicus*. *Analytical Sciences* 21: 99-100, 2005.
13. Milind S. Bagul, H. Srinivasa, Niranjana S. Kanaki, M. Rajani. Anti-inflammatory activity of two Ayurvedic formulations containing guggul. *Indian Journal of Pharmacology* 37: 399-400, 2005.

14. Milind S. Bagul, Niranjan S. Kanaki, M. Rajani. Evaluation of antioxidant properties of two classical polyherbal formulations. *Indian Journal of Experimental Biology* 43: 732-736, 2005.
15. Niranjan S Kanaki, M. Rajani. Development and validation of a Thin-Layer Chromatography – Densitometric method for the quantification of alliin from garlic (*Allium sativum*) and its formulations. *Journal of AOAC International* 88(5): 1568-1570, 2005. *Invited paper for special section on TLC.*
16. Milind S. Bagul, H. Srinivasa, Harish Padh, M. Rajani. A rapid densitometric method for simultaneous quantification of two bioactive compounds gallic acid and ellagic acid in herbal raw materials using HPTLC. *Journal of Separation Science* 28: 581-584, 2005.
17. Milind S. Bagul, M. Rajani. Phytochemical evaluation of Classical Formulations - A Case Study of *Prabhakara Vati*. *Indian Drugs* 42: 15-19, 2005.
18. Shubha Rani (2005). *Toxicokinetics: An Overview*. In Souvenir of 1st Indo-Japanese International Conference on Innovations in Pharmaceutical Sciences & Technology, Mumbai, November, 2005.
19. Shubha Rani, Manish Nivsarkar, Rajeshwari Rathod, Swati Guttikar And Harish Padh (2005). *Pharmacokinetics of Fenofibrate Tablet Formulations in Healthy Indian Male Subjects*. I. J. Pharm. Sci, 67(3), 297-301.
20. Shubha Rani and Harish Padh (2005). *Pharmacokinetic Considerations in Dose Regimen Selection*. March, www.pharmainfo.net.
21. Shubha Rani, Manish Nivsarkar, Rajeshwari Rathod, and Harish Padh (2005). *Comparative bioavailability of Micronised Fenofibrate Capsule with the Newly Developed Formulation of Fenofibrate in Healthy Human Volunteers*. *Medicine Update*, 13, 29-32.
22. Santosh L. Vishwakarma, M. Rajani., Milind S. Bagul, Ramesh K. Goyal. A rapid method for the isolation of Swertiamarin from *Enicostemma littorale*. *Pharmaceutical Biology* 42(6): 400-403, 2004.
23. S 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.
24. Shubha Rani, Bapu Cherian, Manish Nivsarkar, Swati Guttikar, Rajeshwari Rathod and Harish Padh (2004). *Determination of oral meloxicam pharmacokinetic parameters in Asian Indians and comparison with German population*. *Saudi Pharm. J.*, 12(4), 144-149.
25. Shubha Rani and Anisha Pargal (2004). *Bioequivalence: An overview of statistical concepts*. *Ind. J. Pharmacol.*, 36(4), 209-216.
26. Shubha Rani, Guttikar, S., Rathod, R., Cherian, B., Nivsarkar, M and Padh, H. (2004) Determination of oral meloxicam pharmacokinetic parameters in Asian Indians: comparison with German population. *Saudi Arabian Journal of Pharmaceutical Sciences*. 12(4) 144-149.
27. Raval, DA., Padh, H., Nivsarkar, M. and Parikh, DN. (2004) Acute toxicity testing of polymeric binder for use in extended release tablets. *Journal of Pharmacy and Pharmacology*. 56, 170-172.

28. Patel, M., Cherian, B., Padh, H and Nivsarkar, M (2004) Olanzapine induced thrombocytopenia in Sprague-Dawley rats. *Drug Chemical and Toxicology* 27(4) 379-387. Impact Factor: 3.207.
29. Nivsarkar M, Rathod, P.D., Vasu, K., Zope, A., Sudarsanam, V., Bapu, C. and Padh, H. (2004) Altered glucose tolerance by guanidinothiourea compound in Sprague-Dawley rats: possible mechanism(s) for hyperglycemia. *Indian Drugs* 41(5) 294-297.
30. Cherian, B., Rathod, R., Guttikar, S., Nivsarkar M., Rani, S. and Padh, H (2004) A rapid selective and sensitive method for extraction and analysis of celecoxib in Human Plasma. *Indian Drugs* 41(4) 221-225.
31. H. Srinivasa, Milind S. Bagul, Harish Padh, M. Rajani. A rapid densitometric method for the quantification of luteolin in medicinal plants using HPTLC. *Chromatographia* 60: 131-134, 2004.
32. SL Vishwakarma, MS Bagul, M. Rajani., RK Goyal. A sensitive HPTLC method for the estimation of swertamarin from *Enicostemma littorale* Blume, *Swertia chirata* (Wall) Clarke and formulations containing *E. littorale*. *Journal of Planar Chromatography* 17:128-131, 2004.
33. Nivsarkar, M (2003) Modulation of platelet membrane by free radical induced lipid peroxidation. *Indian Drugs*. 40(8), 479-481.
34. Pillai, A.D., Rathod, P.R., Franklin, P.X., Patel, M., Nivsarkar, M, Vasu, K.V., Padh, H. and Sudarsanam, V. (2003) Novel designing approach for dual inhibitors as anti-inflammatory agents: implication of pyridine template. *Biochemical and Biophysical Research Communications*. 301(1), 183-186. Impact Factor: 2.548.
35. Cherian, B., Sood, P.P. and Nivsarkar, M (2003) Organelle specific enzyme markers as indicators of methylmercury neurotoxicity and antidotal efficacy in mice. *Biometals* 16, 279-284. Impact Factor: 3.172.
36. Shubha Rani and Harish Padh (2003). *Evaluation of truncated area under the curve and truncated area under the curve with limited blood samples in bioequivalence studies*. I. J. Pharm. Sci., 4, 371-377.
37. Shubha Rani, Neelam Chauhan and Harish Padh (2003). *Pharmacokinetics: Inter - Individual Variation and Dose Regimen Selection*. In Souvenir of 5th International Symposium on Innovations in Pharmaceutical Sciences & Technology at ITC Grand Maratha Sheraton, Mumbai, February, 2003.
38. Nivsarkar, M, Shrivastava, N., Patel, M., Padh, H. and Cherian, B. (2002) Sperm membrane modulation by *Sapindus mukorossi* during sperm maturation. *Asian Journal of Andrology*. 4(3), 233-235. . Impact Factor: 1.549.
39. Shubha Rani, Guttikar, S., Zope, A., Cherian, B., Nivsarkar, M and Padh, H. (2002) Pharmacokinetics of olanzapine in Asian Indians and comparison with other population: possibility of inter ethnic differences. *Indian Drugs* 39(11) 583-588.
40. Nivsarkar, M, Mukherjee, M. Patel, M., Padh, H and Cherian, B (2002) *Launaea nudicaulis* leaf juice exhibits anti-inflammatory action in acute and chronic inflammation models in rats. *Indian Drugs*, 39(5), 290-292.

41. Shubha Rani, Guttikar S., Zope A., Cherian B., Nivsarkar M., and Padh H. (2002). *Pharmacokinetics of Olanzapine in Asian Indians and comparison with other populations: Possibility of Population Diversity*. Indian Drugs, 583-588.
42. Shubha Rani & P.C. Joshi (2001). *Estimation of scale parameter of a truncated exponential distribution in a single outlier case when truncation point is known*. A. J. Statist., 31-42.
43. Shubha Rani and Harish Padh (2001). *Sparse sampling approach in rodent preclinical pharmacokinetic studies to reduce the use of animals*. Ind. J. Pharmacol., 33(3), 192-197.
44. Shubha Rani and Harish Padh (2000). *Estimation of area under the curve (AUC) and standard deviation of estimated AUC when using destructive measurement technique : an evaluation of available methods*. I. J. Pharm. Sci., 4, 291-295.
45. Ravishankara MN, Harish Padh, M. Rajani.. Antioxidant activity of *Cinchona officinalis* stem bark extracts. *Oriental Pharmacy and Experimental Medicine* 3(4): 205-211, 2003.
46. V Prashanthkumar, MN Ravishankara, M Bagul, H Padh, M. Rajani. High performance thin layer chromatographic method for the estimation of rutin from medicinal plants. *Journal of Planar Chromatography* 16: 386-389, 2003.
47. SL Vishwakarma, M. Rajani. RK Goyal. Comparative antidiabetic activity of different fractions of *Enicostemma littorale* Blume in streptozotocin induced NIDDM rats. *Oriental Pharmacy and Experimental Medicine* 3(4):196-204, 2003.
48. Milind S. Bagul, Ravishankara MN, Harish Padh, M. Rajani. Phytochemical evaluation and free radical scavenging properties of rhizome of *Bergenia ciliata* (Haw) Sternb. forma *ligulata* Yeo. *Journal of Natural Remedies* 3: 83-87, 2003.
49. Manish Nivsarkar, Neeta Shrivastava, Manoj Patel, Harish Padh, Bapu Cherian. Sperm membrane modulation by *Sapindus mukorossi* during sperm maturation. *Asian Journal of Andrology* 4: 232-235, 2002. (Impact factor, 2010 – 3.141) (* This paper was nominated for Royan Society Inter National Award)
50. Ravishankara MN, Neeta Shrivastava, Harish Padh, M. Rajani. Evaluation of antioxidant properties of root bark of *Hemidesmus indicus* R. Br. (Anantmul). *Phytomedicine* 9: 153-160, 2002. (Impact factor, 2008 – 2.3)
51. M. Rajani, N Saxena, Ravishankara MN, N Desai, H Padh. Evaluation of antimicrobial activity of *Ammoniacum gum* from *Dorema ammoniacum* D. Don. *Pharmaceutical Biology* 40(7): 534-541, 2002.
52. Niranjana K, Ravishankara MN, Harish Padh, M. Rajani. 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: 168-172, 2002.
53. Ravishankara MN, Neeta Shrivastava, Harish Padh, M. Rajani. A simple spectrophotometric method for the estimation of total alkaloids from seed of *Lupinus albus* L. *Indian Drugs* 39(9): 494-496, 2002. (Impact factor, 2009 – 0.028)
54. M. Rajani, Neelam Mahendru. Adventitious root initiation from corolla explants of *Datura innoxia* Mill. *Phytomorphology* 52(2&3): 239-243, 2002.

55. M. Rajani, Ravishankara MN, Neeta Shrivastava, Harish Padh. HPTLC-aided phytochemical fingerprinting analysis as a tool for evaluation of herbal drugs. A case study of Ushaq (Ammoniacum gum). *Journal of Planar Chromatography* 14: 34-41, 2001. (Impact factor, 2010 – 1.247)
56. Ravishankara MN, Neeta Shrivastava, Harish Padh, M. Rajani. HPTLC method for the estimation of alkaloids from *Cinchona officinalis* stem bark and its marketed formulations. *Planta Medica* 67(3): 294-296, 2001. (Impact factor, 2010 – 2.369)
57. Ravishankara MN, Neeta Shrivastava, Mahendru N, Harish Padh, M. Rajani. Spectrophotometric method for the estimation of alkaloids from *Cinchona officinalis* stem bark and its formulations. *Indian Journal of Pharmaceutical Sciences* 63(1): 76-78, 2001. (Impact factor, 2009 – 0.044)
58. Ravishankara MN, Neeta Shrivastava, Harish Padh, M. Rajani. Simultaneous determination of four alkaloids of *Cinchona officinalis* from the stem bark and formulations containing *Cinchona* by HPLC method. *Indian Drugs* 38(5):248-253, 2001. (Impact factor, 2009 – 0.028)
59. Nivsarkar M, Sethi, A., Cherian, B., Patel, M. and Padh, H. (2001) Involvement of endometrial membrane sulphhydryl groups in blastocyst implantation: sulphhydryl groups as a potential target for contraceptive research. *Contraception* 64(4) 255-259. Impact Factor: 2.369.
60. Nivsarkar M, De, P., Patel, K.B., Katewa, A, Padh, H. and Bapu, C. (2001) Sub acute toxicity of meloxicam a selective COX-2 inhibitor in mice. *Advances in Pharmacology and Toxicology*. 2(2), 27-31.
61. Nivsarkar, M, Cherian, B. and Padh, H. (2001) Alpha-terthienyl: a plant derived new generation insecticide. *Current Science* 81(6), 667-672. Impact Factor: 0.897.
62. Bapu, C., De, P., Patel, K.B., Katewa, A., Nivsarkar, M and Padh, H. (2001) Sub-acute toxicity study of meloxicam a selective COX-2 inhibitor in rats. *Indian Journal of Toxicology*. 8(2), 163-168.
63. Ravishankara MN, Neeta Shrivastava, MG Jayathirtha, Harish Padh, M. Rajani. A sensitive high-performance thin layer chromatography method for the estimation of diospyrin, a tumour inhibitory plant product from *Diospyros montana* Roxb. *Journal of Chromatography B* 744: 257-262, 2000. (Impact factor, 2010 – 3.0)
64. M. Rajani, Neeta Shrivastava, Ravishankara MN. A rapid method for isolation of andrographolide from *Andrographis paniculata* Nees (Kalmegh). *Pharmaceutical Biology* 38(3): 204-209, 2000. (Impact factor, 2009 – 0.672)
65. Nivsarkar, M, (2000), Improvement in circulating superoxide dismutase levels: role of nonsteroidal anti-inflammatory drugs is rheumatoid arthritis. *Biochemical and Biophysical Research Communications*. 270, 714-716. Impact Factor: 2.548

Before 2000

1. Shubha Rani (1999) *.Bootstrap technique in modern drug development*. *Statistical Methods and Application in Biology and Medicine* - Proceedings of first Joint conference of Indian

- Society of Medical Statistics & International Biometric Society Indian Region, December, 1999, 195-202.
2. Shubha Rani (1999). *A note on testing for the equality of areas under the curve when using destructive measurement technique in animal studies*. I. J. Pharm. Sci., 4, 241-242.
 3. Neeta Shrivastava, M Rajani. Multiple shoot regeneration and tissue culture studies on *Bacopa monnieri* (L.) Pennell. *Plant Cell Reports* 18: 919-923, 1999. (Impact factor, 2009 – 2.279)
 4. T Vani, M. Rajani, S Sarkar, CJ Sishoo. Antioxidant properties of the Ayurvedic formulation *Triphala* and its constituents. *International Journal of Pharmacognosy* 35(5): 313-317, 1997.
 5. MV Rao, KD Shah, M. Rajani. Contraceptive efficacy of *Balanites roxburghii* pericarp extract in male mice (*Mus musculus*). *Phytotherapy Research* 11: 469-471, 1997.
 6. MV Rao, KD Shah, M. Rajani. Contraceptive effect of *Phyllanthus amarus* extract in male mouse (*Mus musculus*). *Phytotherapy Research* 11(8): 594-596, 1997.
 7. M. Rajani, K Pundarikakshudu. A note on the seasonal variation of alkaloids in *Adhatoda vasica* Nees. *International Journal of Pharmacognosy* 34(4): 308-309, 1996.
 8. Neeta Shrivastava, MA Padhya. 'Punarnavine' profile in the regenerated roots of *Boerhaavia diffusa* L. from leaf segments. *Current Science* 68: 653-656, 1995. (Impact Factor, 2010 – 0.782)
 9. M. Rajani, Bhavsar GC. Role of chloramphenicol in the incorporation of L-Phenylalanine-¹⁴C (U) into tropane alkaloids of *Datura innoxia* Mill. *Indian Journal of Pharmaceutical Sciences* 56: 51-53, 1994.
 10. M. Rajani, Bhavsar GC. *Adhatoda vasica* Nees: Effect of chloramphenicol on total alkaloids. *Indian Drugs* 30: 87-88, 1993.
 11. M. Rajani, KH Gotwandi, GC Bhavsar. Stimulation of tropane alkaloid formation in *Datura innoxia* Mill. *Indian Drugs* 30: 345-347, 1993.
 12. B Ravi Kumar, K. Pundarikakshudu, M. Rajani, GC Bhavsar. Improvement of diosgenin yield from *Trigonella foenum-graecum* L. *Indian Drugs* 21: 85, 1983.
 13. Nivsarkar, M, (1999) Identification of alpha-terthienyl radical *in vitro*: a new aspect in alpha-terthienyl phototoxicity. *Current Science*, 76(10), 1391-1393. Impact Factor: 0.897.
 14. Nivsarkar, M, Cherian, B. and Patel, S. (1998) A regulatory role of sulphhydryl groups in modulation of sperm membrane conformation by heavy metals: sulphhydryl groups as markers for infertility assessment. *Biochemical and Biophysical Research Communications*. 247, 716-718. Impact Factor: 2.548.

Monographs

1. 10 monographs in "Quality Standards of Indian Medicinal plants", vol 1, ICMR, New Delhi, 2003.
2. 7 monographs in "Quality Standards of Indian Medicinal plants", vol 2, ICMR, New Delhi, 2005

3. 11 monographs in “Quality Standards of Indian Medicinal plants”, vol 3, ICMR, New Delhi, 2005.
4. 6 monographs in “Quality Standards of Indian Medicinal plants”, vol 5, ICMR, New Delhi, 2008.
5. 5 monographs in “Quality Standards of Indian Medicinal plants”, vol 6, ICMR, New Delhi, 2008.
6. 10 monographs in “Quality Standards of Indian Medicinal plants”, vol 7, ICMR, New Delhi, 2008.
7. 4 monographs in “Quality Standards of Indian Medicinal plants”, vol 8, ICMR, New Delhi, 2010.
8. 1 monographs in “Quality Standards of Indian Medicinal plants”, vol 9, ICMR, New Delhi, 2011.
9. 5 monographs on herbal drugs in the Indian Pharmacopoeia, 2008.
10. 9 monographs on herbal drugs of Indian Systems of Medicine in the “Unani Pharmacopoeia of India”, Department of ISM&H (in press).
11. 6 monographs on the preparation of Ayurvedic formulations – Ayurvedic Pharmacopoeia of India, Part II, Volume I, 2007
12. 8 monographs on the preparation of Ayurvedic formulations – Ayurvedic Pharmacopoeia of India, Part II, Volume II, 2008
13. 73 monographs on “Preparation of Phytochemical Profiles of Extracts of Selected Medicinal Plants – An Atlas of Chromatographic Profiles” ICMR, New Delhi (In press)

GENERAL ARTICLES

2010 to 2005

1. Dash R.P. and Nivsarkar, M (2010) Current Perspectives in Bioavailability Enhancement. In: Souvenir, 6th International Symposium on Pharmaceutical Innovation in Science and Technology, Nov. 26-28th, 2010, Ahmedabad, India.
2. Thakur, S. and Nivsarkar, M (2010) Applications of Bioinformatics. In: Souvenir, 6th International Symposium on Pharmaceutical Innovation in Science and Technology, Nov. 26-28th, 2010, Ahmedabad, India
3. Neeta Shrivastava, Astha Varma. Biotechnology - An age old modern technology. *Souvenir of National Seminar on Recent Development in Chemical Technologies*, Ahmedabad. October 7, 2006, pp. 31-40.

2005 to 2000

1. Banerjee, A. and Nivsarkar M (2005) Search for new contraceptive targets. In: Souvenir, 1st Indo-Japanese International Conference on Advances in Pharmaceutical Research and Technology, Nov. 25-29, 2005, Mumbai, India.
2. Neeta Shrivastava, Harish Padh. Biotechnology derived therapeutics. *Souvenir* of National seminar on *50 Years of DNA Double Helix Retrospect and Prospects*, Rajkot, 2004.
3. Neeta Shrivastava, Harish Padh. Monoclonal antibodies (mAb) as therapeutics. *Proceedings of Andhra Pradesh Academy of Sciences*, 2004, pp. 43-46.
4. Neeta Shrivastava, Anshu Shrivastava, Harish Padh. Monoclonal antibodies: An emerging class of therapeutics. *Souvenir* of 5th International Symposium on *Innovations in Pharmaceutical Sciences and Technology*, Mumbai. February 1-3, 2003, pp. 75-80.