

**Shirpur Education Society**  
**R. C. Patel Institute of Pharmaceutical Education and Research, Shirpur**  
**Research Publications (2014)**

Sr. No.	Name(s) of Author(s)	Title	Journal, Vol. Year, Page no.	IF	Page no.
1.	A. D. Kulkarni, V. S. Belgamwar, S. J. Surana, C. V. Pardeshi	Nanotechnology-Mediated Nose to Brain Drug Delivery for Parkinson's Disease: A Mini Review	J. Drug Target, 2014, Online, pp. 1 - 14	2.723	1
2.	R. G. Madane, H. S. Mahajan	Curcumin-Loaded Nanostructured Lipid Carriers (NLCs) for Nasal Administration: Design, Characterization and in vivo Study	Drug Delivery, vol. 4, 2014, pp. 1-9	2.202	9
3.	S. B. Ganorkar, D. M. Dhumal, A. A. Shirkhedkar	Development and Validation of Simple RP-HPLC-PDA Analytical Protocol for Zileuton Assisted with Design of Experiments for Robustness Determination	Arabian J. Chem., 2014, pp. 1-10 (Article in press)	2.684	14
4.	S. N. Goyal, H. Shaikh, N. M. Reddy, D. S. Arya, C. R. Patil	Prediabetes: Grounds of Pitfall Signalling Alteration for Cardiovascular Disease	RSC Adv., vol. 4, 2014, pp. 58272-58279	3.708	19
5.	Z. G. Khan, A. S. Patil, A. A. Shirkhedkar	Estimation of Tadalafil using Derivative Spectrophotometer in Bulk Material and in Pharmaceutical Formulation	Int. J. Spectrosc., vol. 2014, 2014 pp. 1-6	-	23
6.	S. Deore, H. Mahajan, P. Nerkar, P. Ige	Formulation and Evaluation of Nanosuspension Formulations of Ramipril using Hydrophilic Polymers	Int. J. Pharm. Sci. Nanotech., vol. 8(1), 2014, pp. 1-7	-	26
7.	V. K. Redasani, C. F. Chhajed, P. D. Patil, S. J. Surana	Development and Validation of Spectroscopic Methods for the Estimation of Vilazodone in Bulk and in Tablet Formulation	J. Pharm. Res., vol. 13(1), 2014, pp. 20-22	-	30
8.	V. K. Redasani, S. J. Surana, C. F. Chhajed	Development and Validation of HPTLC/Densitometry Method for the Estimation of Vilazodone HCl in Bulk and in Tablet Formulation	J. Pharm. Res., vol. 13(1), 2014, pp. 71-73	-	32
9.	V. K. Redasani, S. J. Surana, C. F. Chhajed, P. S. Patel	Quantitative Determination of Meloxicam in Bulk and in Tablet by UV-Spectrophotometry	Int. J. Pharm. Drug Anal., vol. 2(3), 2014, pp. 246-250	-	34
10.	V. K. Redasani, A. B. Shinde, S. J. Surana	Anti-Inflammatory and Gastroprotective Evaluation of Prodrugs of Piroxicam	Ulcers, vol. 2014, 2014, pp. 1-4	-	37
11.	V. G. Ugale, S. B. Bari	Quinazolines: New Horizons in Anticonvulsant Therapy	Eur. J. Med. Chem., vol. 80, 2014, pp. 447-501	4.071	39
12.	H. S. Mahajan, S. K. Patil, P. P. Nerkar	Liquisolid Compact of Gliclazide for Enhanced Dissolution and Oral Bioavailability	IJNDD, vol. 6(4), 2014, pp. 314-320	-	67

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13.	H. Shaikh, C. R. Patil, ShreeshOjha, Rajesh Mohanraj, S. N. Goyal	Targeting Apoptotic Pathways in Myocardial Infarction: Attenuated by Phytochemicals	Cardiovasc. Hematol. Agents Med. Chem., vol. 12, 2014, pp.1-14	-	71
14.	P. J. Maniya, S. M. Kamble, S. N. Goyal, C. R. Patil	Nephroprotection by Oleanolic and Ursolic Acid Against Cisplatin is Comparable to Amifostine	World J. Pharm. Pharm. Sci., vol. 3(3), 2014, pp.1677-1686	-	78
15.	P. S. Jain, M. A. Patel, A. J. Choudhari S. J. Surana,	RP-HPLC Assay Method Development for Paracetamol and Lornoxicam Combination and Characterization of Oxidative Degradation Products of Lornoxicam	Chem. Ind. Chem. Eng. Q., vol. 19 (4), 2014, pp.471-484	0.659	83
16.	V. K. Redasani, S. J. Surana, P. S. Patel,	Development and Validation of Spectroscopic Methods for the Estimation of Gefitinib Bulk and in Tablet Formulation	Analytical Chem. An Ind. J., vol. 14 (3), 2014, pp.83-87	-	90
17.	V. K. Redasani, S. J. Surana, G. L. Shaikh	Development and Validation of Spectroscopic Methods for the Estimation of Dalfampridine Bulk and in Tablet Formulation	Analytical Chem. An Indian J., vol. 14(1), 2014, pp.37-41	-	93
18.	V. V. Patil, P. J. Chaudhari	Microwave Assisted Synthesis and Biological Evaluation of 3-aryl-5-(thiophen-3-ylmethyl)-1H-1,2, 4-triazoles	Organic Chem. An Indian J., vol. 10(4), 2014, pp.134-139	-	96
19.	S. M. Kamble, S. N. Goyal, C. R. Patil	Multifunctional Pentacyclic Triterpenoid as Adjuvants in Cancer Chemotherapy: A review	RSC Adv., vol. 4, 2014, pp. 33370-33382	3.708	99
20.	U. V. Deore, A. U. Tatiya, S. J. Surana	Wound Healing Activity of <i>Brideliaretusa</i> Bark in Experimental Animals	Int. J. Pharmacy & Pharm. Sci., vol. 6 Issue 4, 2014, pp. 102-105	-	106
21.	R. Mandlik, S. Naik, A. Tatiya, M. V. Biware	GC-MS Analysis of Phytocomponents of Seaweed, <i>Caulerparacemosa</i>	Int. J. Pharm. Res. Rev., vol. 3(11), 2014, pp. 39-45	-	108
22.	A. U. Tatiya, S. J. Surana, N. Bari, M. G. Kalaskar	Effect of Bio Assay Guided Isolation of 1-Phenanthrene Carboxylic Acid from <i>Eulophia Herbacea</i> Lindl. Tubers on Human Cancer Cell Lines	Res. J. Phytochem, vol. 8 (4), 2014, pp. 155-161	-	112
23.	P. Chaudhari, S. Bari	Efficient Synthesis of N-Sulfonyl $\beta$ -Arylmethylalaninates from Serine via Ring Opening of N-Sulfonyl Aziridine-2-Carboxylate	Synth. Commun. An Int. J. Rapid. Commun. Synth. Org. Chem., vol. 45(3), 2015, pp. 391-402	0.984	116
24.	H. S. Mahajan, S. R. Bhagirath	Development of Mouth Dissolving Tablets Containing Tadalafil Hydroxypropyl	IJNDD, vol. 6 (1), 2014, pp. 1-9	-	123

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		$\beta$ -Cyclodextrin Inclusion Complex			
25.	H. S. Mahajan, M. S. Mahajan, P. P. Nerkar, A.Agrawal	Nanoemulsion-Based Intranasal Drug Delivery System of Saquinavir Mesylate for Brain Targeting	Drug Delivery, vol. 21(2), 2014, pp. 148-154	2.202	128
26.	H. S. Mahajan, P. N. Nainav	Preparation, Characterization and Anti-Tumor Activity of Epirubicin Loaded Xyloglucan Nanoparticles for Nasal Delivery	Int. J.Pharm. Sci.Nanotech., vol. 7(1), 2014, pp. 2385-2390	-	132
27.	Y. O. Agrawal, P. K. Sharma, B. Shrivastava, D. S. Arya, S. N. Goyal,	Hesperidin Blunts Streptozotocin-Isoproterenol Induced Myocardial Toxicity in Rats by Altering of PPAR-C Receptor	Chem. Biol. Interact., vol. 219, 2014, pp. 211-220	2.982	135
28.	R.Bhaskar, M. Ola, M.Patil, P. H. Patil, H.S.Mahajan	Formulation and Evaluation of IR Ibuprofen Tablet By Using (APOC) Granulation Technique	Int. J. Bio. Pharm. Res., vol. 5(6), 2014, pp. 516-526	-	140
29.	R.Bhaskar, M. Ola, M.Patil	Impact of Agglomerative Phase of Comminution (APOC) on Performance Characteristics of Uncoated Tablet	World J. Pharm. Res., vol. 3(3),2014, pp. 4287-4304	-	146
30.	S. B. Ganorkar, S. S. Kharat, S. D. Firke	Development and Validation of Novel UV-Spectrophotometric Method for Estimation of Cyamemazine Tartrate for Simple, Rapid and Cost Effective Analysis	Int. J. Adv. Pharm. Anal., vol. 4 (4), 2014, pp. 138-141	-	155
31.	S. D. Firke, P. S. Bafna, K. R. Patil	Short Review on Diabetes Mellitus	Res. Rev. J. Pharmacol., vol. 4(2), 2014, pp. 15-24	-	157
32.	S. J. Shinde, P. S. Jain, N. K. Kale	Critical Review on Qualification of Sterilization Equipment in Aseptic Processing	J. Pharm. Biosci., vol. 1, 2014, pp. 24-35	-	162
33.	P. S. Jain, D. H. Dhakad, S. J. Surana	Quantitative Determination of Metoprolol Succinate using Area Under Curve UV-Spectrophotometric Method in Bulk and Tablet Dosage Form	Anal. Chem. An Indian J., vol. 14 (1), 2014, pp. 28-31	-	168
34.	P. S. Jain, M. A. Patel, S. J. Surana	Stability- Indicating HPLC Determination of Lornoxicam in Bulk Drug and Pharmaceutical Dosage Form	Anal. Chem. An Indian J., vol. 14 (5), 2014, pp. 161-166	-	170
35.	Y. O. Agrawal, P. Sharma, B. Shrivastava, D. S. Arya, S. N. Goyal	Hesperidin Produces Cardioprotective Activity via PPAR- $\gamma$ Pathway in Ischemic Heart Disease Model in Diabetic Rats	Plosone., vol. 9 (11), 2014, pp. 1-13	3.534	173

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36.	P. S. Jain, R. S. Chavan, P. R. Bari, S. J. Surana	Estimation of Palonosetron Hydrochloride in Bulk and Parenteral Dosage Form using Area Under Curve Method	Int. J. Pharm. Res., vol. 3 (3), 2014, pp. 54-61	-	180
37.	P. S. Jain, K. D. Bobade, S. J. Surana	Development and Validation of UV-Spectrophotometric Method for Determination of Naftopidil in Bulk and in Formulation	Pharm. Chem. Rev., vol. 1 (1), 2014, pp. 9-14	-	184
38.	P. S. Jain, S. J. Surana, H. Shaha, T. Lohar	UV-AUC Method Development and Validation for Estimation of Dextromethorphan Hydrobromide	J. Pharm. Biosci., vol. 2, 2014, pp. 58-62	-	187
39.	P. S. Jain, T. R. Lohar, N. N. Kale, S. J. Surana	Development and Validation of Stability-Indicating HPTLC Method for Estimation of Secnidazole in Bulk Drug and Pharmaceutical Dosage Form	J. Adv. Drug Delivery, vol. 1(4), 2014, pp. 144-156	-	190
40.	Rahul Mandlik, Suresh Naik, A. U. Tatiya	Evaluation Of Physicochemical Properties Of Seaweed, Caulerpa Racemosa	Int. J. Res. Ayurveda Pharm., Vol. 5 (4), 2014, pp. 540-546	-	197
41.	D. A. Patil, V. A. Patil, S. B. Bari, S. J. Surana, P. O. Patil	Animal Models for Parkinson's Disease	CNS Neurol. Disord. Drug Targets, Vol. 13 (9), 2014, pp. 1580-1594	2.702	201
42.	C. V. Pardeshi, Y. H. Vanjari, A. D. Kulkarni	Novel Nasal Devices for the Efficient Drug Delivery: A Systemic Review	IJNDD vol. ,2014, pp. 1 – 9	-	209
43.	M. L. Jadhav, S. R. Tambe, M. V. Girase	Analytical Quality by Design Approach for Development of UV-Spectrophotometric Methods in the Estimation of Tropicamide Chloride From Capsule Dosage Form	Int. J. Pharm. Pharm. Sci., vol. 6 (10), 2014, pp. 530-533	-	214
44.	M. L. Jadhav, M. V. Girase, S. K. Tidme, M. S. Junagade	Development and Validation of Spectrophotometric Methods for Simultaneous Estimation of Valsartan and Hydrochlorothiazide in Tablet Dosage Form	Int. J. Spectrosc., vol. 2014, 2014 pp. 1-6	-	216
45.	M. V. Saner, A. D. Kulkarni, C. V. Pardeshi	Insights into Drug Delivery Across the Nail Plate Barrier	J. Drug Target., vol. 22 (9), 2014, pp. 769-789	2.723	219
46.	P. Tamboli, V. Kuchke, P. Ingle, A. Tekade	A Comparison of the Effects of Combination Vildagliptin and Metformin with Vildagliptin, Metformin Monotherapy in Indian Patients With Type 2 Diabetes Mellitus	Int. J. Recent Sci. Res. vol. 5(2), 2014, pp. 369-374	-	230
47.	P. S. Jain,	Development and Validation of	Acta Chromatogr.,	0.779	233

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	A. J. Chaudhari, S. J. Surana	Stability-Indicating High-Performance Thin-Layer Chromatography Method for Estimation of Sitagliptin Phosphate Monohydrate in Bulk and in Pharmaceutical Formulation	vol. 26 (2), 2014, pp. 309-319		
48.	S. Saravanabhavan, V. Kuchake, F. I. Al-Saikhan	Comparative Efficacy and Safety of Methocarbamol and Thiocolchicoside in Acute Low Back Pain.	World J. Pharmacy Pharm. Sci., vol. 3 (4), 2014, pp. 276-286	-	239
49.	Bhavna Sharma, M. Ramachandran, Kanak Kalita	Methods for Improving Communication Skills of Rural Students in Pharmaceutical Education	Int. J. Sci. Eng. Res., vol. 5 (10), 2014, pp. 310-314	-	245
50.	D. A. Patil, S. J. Surana	Synthesis, Biological Evaluation and Molecular Docking of 2,3-Disubstituted-Thiazolyl-Qinazolin-4(3H)-One Derivatives	J. Pharm. Sci. Pharmacol., vol. 2, 2015, pp.1-12	-	250
51.	A. B. Mundada, R. Khatik, A. K. Pathak	3D-QSAR on a Novel Series of 2-Amino-6-Carboxamide Benzothiazole Derivatives as Potent Lck Inhibitors by K-Nearest Neighbor Molecular Field Analysis	J. Biomater. Tiss. Eng., vol. 4, 2014, pp. 1-8	1.127	256
52.	S. B. Bari, N. G. Haswani	Design Synthesis and Molecular Docking Study of thienopyrimidine-4(3H)-thiones as antifungal agents	J. Saudi. Chem. Soc., 2014, pp. 1-11 (Article in press)	1.290	260
53.	M. G. Kalsakar, S. J. Surana	Free Radical Scavenging, Immunomodulatory Activity and chemical composition of <i>Luffa Acutangula</i> Var. <i>Amara</i> (Cucurbitaceae) Pericarp	J. Chil. Chem. Soc., vol. 59 (1), 2014, pp. 2299-2302		266
54.	A. U. Tatiya, S. S. Surana, A. K. Saluja, S. J. Surana	Antimicrobial Activity Of <i>Machilus Macrantha</i> Nees. (Lauraceae) Stem Bark Extracts	Int. J. Res. Ayurveda Pharm., vol. 5 (1), 2014, pp. 105-017	-	268
55.	V. K. Redasani, A. R. Kothawade, S. J. Surana	Stability Indicating RP-HPLC Method for Simultaneous Estimation of Rupatadine Fumarate and Montelukast Sodium in Bulk and Tablet Dosage Form	Journal of Analytical Chemistry, Vol. 69(4), 2014, pp. 429-434		270
56.	R.D. Sonawane, V. B. Deore, S. D. Patil, C. R. Patil, S. J. Surana, R. K. Goyal	Role of 5-HT <sub>2</sub> receptors in diabetes: Swertiamarin seco-iridoid glycoside might be a possible 5-HT <sub>2</sub> receptor modulator	Physiol. Behav. vol. 144, 2014, pp. 66 - 72	2.976	273

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