

Research Publications (2015)

Sr. No.	Name(s) of author(s)	Title	Journal, vol. Year, page no.	If	Page no.
1.	A. D. Kulkarni, S. J. Surana, C. V. Pardeshi	Nanotechnology-Mediated Nose to Brain Drug Delivery for Parkinson's Disease: A Mini Review	Journal of Drug Targeting, Vol. 23(9), 2015, pp. 775–788	2.741	1-8
2.	Md. M. G. Khan, A. A. Shirkhedkar	Validated Thin-Layer Chromatography/Densitometry Method for the Analysis of Anti-Alzheimer Drug in Bulk and in Capsule Formulation	Journal of Chilean Chemical Society, Vol.60(4), 2015, pp.2650-2654	0.353	9-11
3.	K.R. Patil, S.N. Goyal, C. Sharma, C.R. Patil, S. Ojha	Phytocannabinoids for Cancer Therapeutics: Recent Updates and Future Prospects	Current Medicinal Chemistry, Vol. 22, 2015, pp. 1-30	3.853	12-26
4.	H. S. Mahajan, P. R. Mahajan	Development of Grafted Xyloglucan Micelles for Pulmonary Delivery of Curcumin: In Vitro and In Vivo Studies	International Journal of Biological Macromolecules, Vol. 82, 2016, pp. 621–627	2.858	27-30
5.	P. S. Jain H. M. Patel, Pankaj Bari, R. Karpoornath, M. Noolvi, N. Thapliyal, Sanjay Surana	Design and Synthesis of VEGFR-2 Tyrosine Kinase Inhibitors as Potential Anticancer Agents by Virtual based Screening	RSC Advances, Vol. 5 (70), 2015 pp. 56724-56771	3.84	31-54
6.	J.K. Rajput, P.H. Patil, S. J. Surana, A. A. Shirkhedkar	Analytical Methods for Determination of Muscle Relaxant Thiocolchicoside in Pharmaceutical Preparations- A Review	Open Pharmaceutical Sciences Journal, Vol. 2, 2015, pp. 43-55	-	55-61
7.	Anil Tatiya, Sanjay Surana, Dhanraj Mahajan, Hemant Singh	Antimicrobial and Anthelmintic Activity of <i>Eulophia Herbacea</i> Lindl. Tubers (Family: Orchidaceae)	International Journal of Pharmaceutical and Phytopharmacological Research (eIJPPR), Vol. 5 (2), 2015, pp.1-6	0.852	62-64

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8.	S. D. Firke, S. B. Bari	An Insight into Synthetic and Docking Approaches of Benzenesulfonamide Scaffold Revealing COX-2 Inhibitors	Current Enzyme Inhibition, Vol. 12(2), 2016 pp. 76-107	-	65-80
9.	H. S. Mahajan, S. R. Deshmukh	Development and Evaluation of Gel-Forming Ocular Films Based on Xyloglucan	Carbohydrate Polymers, Vol. 122, 2015, pp. 243-247	4.074	81-83
10.	R. Bhaskar, M. Ola, S. Vyawahare, P.H. Patil, A. Gorle, N. Gadhave	Non MCC Polymer as A Pelletisation Aid: A Review	The Pharma Innovation Journal, Vol. 4(7), 2015, 98-108	-	84-89
11.	S. D. Firke, N. Patel, S. J. Surana, S.B. Bari	Method Development and Validation of Silymarin in Bulk and Pharmaceutical Formulation by UV-Spectrophotometric Area Under Curve Method (AUC)	Analytical Chemistry an Indian Journal, 15(3), 2015, pp. 100-104	-	90-92
12.	R. Bhaskar, M. Ola, P.H. Patil, S. Garje	A Review on HPLC Method for the Assay of Norethindrone Acetate and Ethinyl Estradiol in Norethindrone Acetate and Ethinyl Estradiol Tablets USP	International Journal of Biological & Pharmaceutical Research, Vol. 6(8), 2015, pp. 639-648.	-	93-97
13.	S. N. Goyal, N. M. Reddy, K. R. Patil, K. T. Nakhate, S. Ojha, C. R. Patil, Y. O. Agrawal	Challenges and Issues with Streptozotocin-induced Diabetes – A Clinically Relevant Animal Model to Understand the Diabetes Pathogenesis and Evaluate Therapeutics	Chemico-Biological Interactions, Vol. 244, 2016, pp. 49-63	2.577	98-105
14.	B. S. Patil H. S. Mahajan, S. J. Surana	Preparation and Evaluation of Flutamide Mucoadhesive Microparticles Loaded Poloxamer Suppositories	Journal of Pharmaceutical Investigation DOI:10.1007/s40005-015-0217-9	-	106-110
15.	P.P. Ige, K. Agrawal, U. Patil	Enhanced in vitro Dissolution of Iloperidone using Caesalpinia Pulcherrima Mucoadhesive Microspheres	Beni – Suef University Journal of Basic and Applied Sciences Vol. 4(1),2015, pp.26-32	-	111-114
16.	B. S. Patil, H. S. Mahajan, S. J. Surana	Development of Suppositories Containing Flutamide-Loaded Alginate- Tamarind	Chemical and Pharmaceutical Bulletin, Vol. 63,	1.164	115-118

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		Microparticles for Rectal Administration: <i>In Vitro</i> and <i>in Vivo</i> Studies	2015, pp. 851–857		
17.	B. S. Patil, H. S. Mahajan, S. J. Surana	Formulation and <i>In Vitro</i> Evaluation of Alginate-Tamarind Kernel Polysaccharide Microparticles	Der Pharmacia Sinica, Vol. 6(10), 2015, pp. 47-55	-	119-123
18.	A. Gorle, P. Patil, R. Bhaskar, M. Ola	Development and Evaluation of Buccal Film Containing Antihypertensive Agent	The Pharma Innovation Journal, Vol. 4(1), 2015 pp.53-60	-	124-127
19.	P.P. Ige, D. R. Mahajan, R. O. Sonawane	Development of Mucoadhesive Sustained Release Matrix Tablets of Methimazole for oral Delivery	Indian Journal of Pharmaceutical Education and Research, Vol. 49(4) (Suppl. 1), 2015, S21	0.177	128-132
20.	P.P. Ige, N.D. Solanki	Preparation and <i>in vitro</i> – <i>in vivo</i> Evaluation of Surface-Modified Poly(lactide-co-glycolide) Nanoparticles as Controlled Release Carriers for Flutamide Delivery	Journal of Microencapsulation, Vol. 32(3), 2015, pp. 231-9. doi: 0.3109/02652048.2014.995731	1.585	133-137
21.	P. Chaudhari, S. Bari	In Silico Exploration of C-KIT Inhibitors by Pharmacoinformatics Methodology: Pharmacophore Modeling, 3D QSAR, Docking Studies, and Virtual Screening	Molecular Diversity, 2015 DOI 10.1007/s11030-015-9635-x	1.896	138-145
22.	H. E. Chaudhari, H. R. Panchmiya, S. N. Goyal, C. R. Patil	Physicians Perception towards Corticosteroids as Therapeutic Agent: A Survey	Journal of Pharmaceutical Research & Clinical Practice, Vol. 5(1), 2015, pp.1-12	-	146-151
23.	D. D. Patil, M. S. Patil, Y. B. Wani	Spectrophotometric Method for Pregabalin Determination: An Experimental Design Approach for Method Development	Journal of the Association of Arab Universities for Basic and Applied Sciences (2015)	-	152-155
24.	N. L. Dhas, P. P. Ige , R. R. Kudarha	Design, Optimization and <i>in-vitro</i> Study of Folic acid Conjugated-Chitosan Functionalized PLGA Nanoparticle for Delivery of Bicalutamide in	Powder Technology, Vol. 283, 2015, pp. 234–245	2.349	156-161

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		Prostate Cancer			
25.	R.Patil, V. Pande, R. Sonawane	Nano and Microparticulate Chitosan Based System for Formulation of Carvedilol Rapid Melt Tablet	Adv Pharm Bull, Vol. 5(2), 2015, pp. 169-179	-	162-167
26.	U. D. Laddha, R. V. Zilpelwar	Mouth Dissolving Tablet: A Novel Approach for Better Patient Compliance	Int.J. PharmTech Res., Vol. 8(6) 2015, pp 56-64	-	168-172
27.	P. G Jain, S. J. Surana	Hypolipidemic Activity of <i>Prosopis cineraria</i> L (Druce) Fruit Extract and Molecular Modeling Study with Farnesoid X Receptor (FXR)	Tropical Journal of Pharmaceutical Research, Vol. 14(9), 2015, pp. 1621-1628	0.589	173-176
28.	P. G. Jain, S. J. Surana	A Review of Indian Medicinal Plants with Hypolipidemic Activity and their Medicinal Importance	World Journal of Pharmacy and Pharmaceutical Sciences, Vol. 4(3), 2015, pp. 1477-1493	-	177-185
29.	P. G. Jain, S. J. Surana	Evaluation of Hypolipidemic Effects of the Ethanolic Extract of <i>Caesalpinia Bonduc</i> (L.) in Triton Wr-1339 Induced Hyperlipidemic Rats	World Journal of Pharmacy and Pharmaceutical Sciences, Vol. 4(7), 2015, pp. 993-1003	-	186-191
30.	N. M Reddy, U. B Mahajan, C. R Patil, Y. O Agrawal, S. Ojha, S. N. Goyal	Eplerenone Attenuates Cardiac Dysfunction and Oxidative Stress in β -Receptor Stimulated Myocardial Infarcted Rats	Am J Transl Res, Vol. 7(9) 2015, pp. 1602-1611	3.402	192-196
31.	C. Sharma, B. Sadek, S. N. Goyal, S. Sinha, M. A. Kamal, S. Ojha	Small Molecules from Nature Targeting G-Protein Coupled Cannabinoid Receptors: Potential Leads for Drug Discovery and Development	Evidence-Based Complementary and Alternative Medicine Vol. 2015, 2015, 26 pages http://dx.doi.org/10.1155/2015/238482	1.88	197-209
32.	K. R. Patil, P. Mohapatra, H. M. Patel, S. N. Goyal, S. Ojha, C. N. Kundu, C. R. Patil	Pentacyclic Triterpenoids Inhibit IKK β Mediated Activation of NF- κ B Pathway: <i>In Silico</i> and <i>In Vitro</i> Evidences	PLOS ONE DOI:10.1371/journal.pone.0125709 May 4, 2015	3.234	210-224
33.	M. V. Kardile, C. Patil,	Homeopathic Drug Standardization Through	International Journal of High	-	225-235

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	A. Haidar, U. B. Mahajan, S. Goyal	Biological Evaluations: An Untrodden Avenue	Dilution Research, vol. 14(4), 2015, pp.16-37		
34.	V. K. Redasani, S. B. Bari	Synthesis and <i>in vitro</i> Evaluation of Polymeric Prodrug of Ibuprofen with Amino Acid Spacer	Anti- Inflammatory & Anti-Allergy Agents in Medicinal Chemistry, vol. 14, 2015, pp.47- 52	-	236-238
35.	C. C. Buwa U. B. Mahajan C. R. Patil S. N. Goyal	Apigenin Attenuates β -Receptor- Stimulated Myocardial Injury via Safeguarding Cardiac Functions and Escalation of Antioxidant Defence System	Cardiovasc Toxicol DOI 10.1007/s12012- 015-9336-9	1.721	239-244
36.	V.K. Redasani	Prodrugs as Emerging Tool for Increasing Safety Profile of Existing Drugs	Research & Reviews: Journal of Chemistry, Vol. 4(3), 2015, pp. 23	-	245
37.	V. K. Redasani, P. S. Tamboli, S. J. Surana	Development and Validation of a Stability Indicating RP-HPLC Method for the Estimation of Triamcinolone in Bulk and in Tablet Formulation	Journal of Analytical & Pharmaceutical Research, Vol. 1(1), 2015, pp. 1-8	-	246-249
38.	V. K. Redasani, P. S. Tamboli, S. J. Surana	Development and Validation of Spectroscopic Methods for Estimation of Triamcinolone in Bulk and in Tablet Formulation	International Journal of Pharmaceutical and Chemical Sciences, Vol. 4 (2), 2015, pp. 33-37	-	250-252
39.	V. K. Redasani, P. S. Tamboli, S. J. Surana	Development and Validation of Spectroscopic Methods for the Estimation of Mupirocin Calcium in Bulk and in Ointment Formulation	Journal of Forensic Toxicology & Pharmacology, Vol. 4(2), 2015, pp. 1-4	-	253-254
40.	H. P. Jadhav, G. G. Chaudhari, D. D. Patil, R. B Jadhav, N. M. Reddy,	Standardization of Homeopathic Mother Tincture of Toxicodendron Pubescens and Correlation of its Flavonoid Markers with the Biological Activity	Homeopathy (2015), http://dx.doi.org/ 10.1016/j.homp. 2015.08.003	0.758	255-258

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	A. A. Shirkhedkar, S. N. Goyal, C. R. Patil				
41.	A. P. Nikalje, A. Ansari, S. Bari, V. Ugale	Synthesis, Biological Activity, and Docking Study of Novel Isatin Coupled Thiazolidin-4-one Derivatives as Anticonvulsants	Arch. Pharm. Chem. Life Sci., Vol.348, 2015, pp. 1-13	1.531	259-265
42.	P. S. Jain, N. K. Kale S. J. Surana	Stability-Indicating HPTLC Method for Estimation of Guaifenesin in Bulk and in Pharmaceutical Formulation	Journal of Chromatography & Separation Techniques, Vol. 6(4), 2015, pp. 1-4	-	266-267
43.	S. S. Patil, S. B. Ganorkar, A. A. Shirkhedkar	Pharmaceutical Analysis of Eptifibatide via Simple, Rapid, Economical UV-Spectrophotometric Methods	Journal of Pharmaceutical Technology, Research and Management. Vol. 3,(1), 2015 pp. 49-55	-	268-271
44.	S. D. Firke, S. B. Bari	Synthesis, Biological Evaluation and Docking Study of Maleimide Derivatives Bearing Benzenesulfonamide as Selective COX-2 Inhibitors and Anti-Inflammatory Agents	Bioorganic & Medicinal Chemistry Vol. 23, (17), 2015, pp.5273-5281	2.793	272-276
45.	A. A. Shirkhedkar, S. B. Ganorkar	Novel Zero Order UV-Spectrophotometric and First Order Derivative UV-AUC Methods for Estimation of Etomidate Imparting Hydrotropic Solubilization	Indian drugs, Vol. 52 (4), 2015, pp. 15-20	-	277-279
46.	M. L. Chavhan, A. S. Patil, S. J. Surana, A. A. Shirkhedkar	Application of HPTLC and RP-HPLC Methods for Simultaneous Estimation of Ofloxacin and Prednisolone Acetate in Ophthalmic Dosage Form	Indian drugs, Vol. 52 (5), 2015, pp. 17-26	-	280-284
47.	Z.G. Khan, S. B. Bari, S. J. Surana, A. A. Shirkhedkar	A Review of Analytical Methods for Estimation of Tadalafil in Pharmaceutical Formulations	Indian drugs, Vol. 52 (3), 2015, pp. 5-9	-	285-287
48.	S. Bari, S. Manda, V. Ugale, V. R. Jupally, V. Akena	Rational Design and Synthesis of Benzothiazolo-Isatins for Antimicrobial and Cytotoxic Activities	Indian Journal of Chemistry, Vol. 54 (B), 2015, 418-429	0.851	288-293

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49.	P. S. Jain, A. P. Gorle, S. S. Patil, R. S. Chavan, P. R. Bari, S. J. Surana	Stability-indicating RP-HPLC Method for Estimation of Salmeterol xinafoate in Bulk and in Pharmaceutical Formulation	International Journal of Pharmaceutical Chemistry and Analysis, Vol. 2(1), 2015, pp. 28-33	-	294-296
50.	S. N. Goyal, C. Sharma, U. B. Mahajan, C. R. Patil, Y. O. Agrawal, S. Kumari, D. Arya, S. Ojha	Protective Effects of Cardamom in Isoproterenol-Induced Myocardial Infarction in Rats	International Journal of Molecular Sciences., Vol. 16, 2015, pp. 27457–27469; doi:10.3390/ijms 161126040	2.862	297-303
51.	P. Jain, A. Gorle, S. Patil, R. Chavan, P. Bari, S. Surana	RP-HPLC Method for Estimation of Salmeterol xinofate in Bulk and in Pharmaceutical Formulation	International Journal of Pharmaceutical Chemistry Research, Vol. 4 (1), 2015, pp. 6-12	-	304-307
52.	A. P. Gorle, S. S. Patil, P. S. Jain R. S. Chavan	Estimation of Pramipexole dihydrochloride in Bulk and Tablet Dosage Form Using Area Under Curve Method	International Journal of Research in Pharmacy and Chemistry, Vol. 5(2), 2015, pp. 337-342	-	308-310
53.	C. V. Pardeshi, Y. H. Vanjari, A. D. Kulkarni	Novel Nasal Devices for Efficient Drug Delivery : A Systematic Review	Indian Journal of Novel Drug Delivery, Vol. 7 (1), 2015, pp. 1-9	-	311-315
54.	R. E. Mutha, R. O. Sonawane, M. A. Patil	Design and Optimization of Nanocrystals Based Immediate Release Tablet of Nateglinide	Inventi Rapid: Pharm Tech, Vol. 2015 (1), 2015, pp. 1-11	-	316-321
55.	A. Tatiya, G. P. Pathak, S. Surana, D. Mahajan	Formulation Development and Evaluation of Fast Dissolving Polyherbal Tablets on Bronchitis	World Journal of Pharmacy and Pharmaceutical Sciences, Vol.5 (1), pp. 1401-1410	-	322-326
56.	H. Patel, K. Dhangar,	In Search of Selective 11 β -HSD Type 1 Inhibitors	Arabian Journal of Chemistry,	3.725	327-332

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	Y. Sonawane, S. Surana, R. Karpoormath, N. Thapliyal, M. Shaikh, M. Noolvi, R. Jagtap	without Nephrotoxicity: An Approach to Resolve the Metabolic Syndrome by Virtual Based Screening	2015 (Article in press)		
57.	M. L. Jadhav, M. V. Girase, S. K. Tidme	Development and Validation of HPTLC Method for Simultaneous Estimation of Valsartan and Hydrochlorothiazide in Tablet Dosage Form	Journal of Pharmaceutical and Biosciences, Vol. 2, 2015, pp. 20-25	-	333-335
58.	M. V. Girase, G. G. Talele	Physicochemical Evaluation of Trunk Bark of <i>Mitragyna Parvifolia</i> (Roxb.) from Satpuda Hills of Maharashtra	Journal of Pharmaceutical and Biosciences, Vol. 2, 2015, pp. 26-29	-	336-337
59.	M. V. Girase, G. G. Talele	Pharmacognostic and Phytochemical Study of <i>Boerhaavia Chinensis</i> (Linn.) Aschers. Roots	Journal of Pharmaceutical and Biosciences, Vol. 1, 2015, pp. 15-19	-	338-340
60.	M. V. Girase, G. G. Talele	Physicochemical Investigation of <i>Prosopis spicigera</i> fruits (Linn.) from Khandesh region of Maharashtra, India	Journal of Pharmaceutical and Biosciences, Vol. 2, 2015, pp. 36-41	-	341-343
61.	A. D. Kulkarni, H. M Patel, S. J Surana, Veena S Belgamwar & Chandrakantsing V Pardeshi	Brain–blood ratio: implications in brain drug delivery	Expert Opinion on Drug Delivery, DOI: 10.1517/17425247.2016.1092519	4.84	344-348
62.	Y. S. Pawara, R. R. Patil, H. S. Mahajan	Development and Evaluation of Mango Pulp Powder as Pharmaceutical Excipient	Indian Journal of Novel Drug delivery, Vol.7(3), 2015, pp. 126-130	-	349-351
63.	H. S. Mahajan, V. B. Kokate	Development and Characterization of Oral Dissolving Films of Tadalafil based on Pregelatinized Hydroxypropyl Pea Starch	Indian Journal of Novel Drug delivery, Vol. 7(3), 2015, pp. 100-107	-	352-355
64.	H. Patel, Y. Sonawane, N. Thapliyal, S. Surana	Structural Insight of Glitazone for Hepato-Toxicity: Resolving Mystery by PASS	Bioorganic & Medicinal Chemistry Letters, Vol. 25	2.42	356-360

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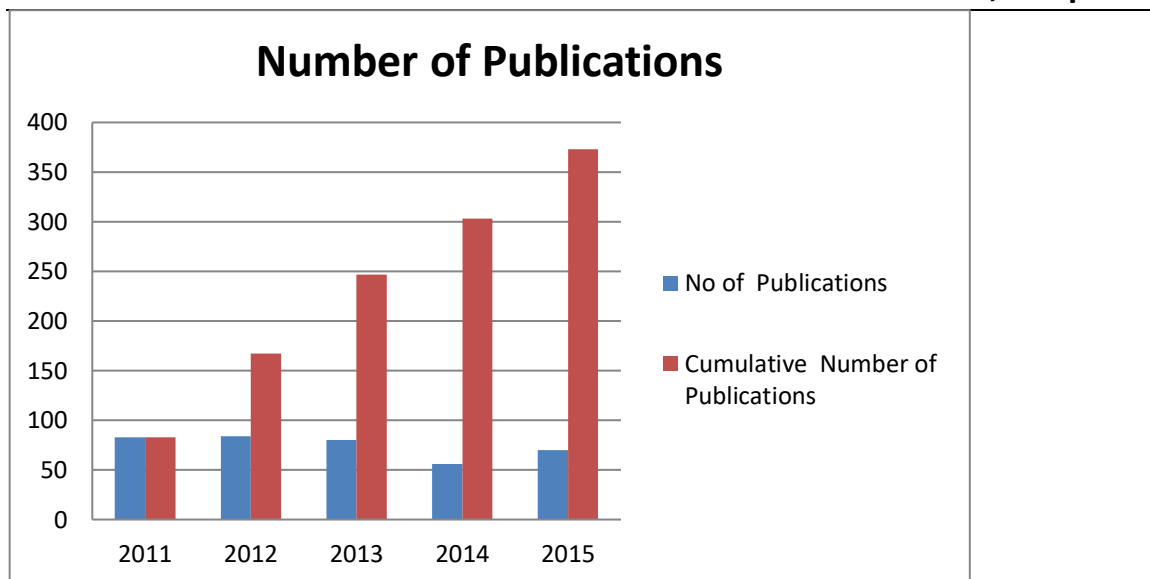
			(9), 2015, pp. 1938-1946		
65.	Z. G.Khan, S. J. Surana A. A. Shirkhedkar	Studies on HPTLC and RP-HPLC Methods for Determination of Tadalafil in Pharmaceutical Dosage Form	Indian Drugs, Vol. 53 (1), 2015, pp. 38-46	-	361-365
66.	A. S. Patil, J. J. Karanjavkar, K. A.Khatik, I. D. Khatik	Quantitative UV-Spectrophotometry Estimation of Risperidone using Hydrotropic Solubilization Phenomenon	International Journal of Advances in Pharmaceutical Analysis, Vol. 5(3), 2015, pp. 58-60	-	366-367
67.	S. C. Khadse, D. L. Rokade, A. S. Sonawane	Formulation and Evaluation of Pulsatile Drug Delivery System of Nizatidine for Treatment of Peptic Ulcer	International Journal of Pharmaceutical and Analytical Research, Vol. 1(1), 2015, pp.42-58	-	368-376
68.	V. K. Redasani, P. S. Tamboli, S. J. Surana	Development and Validation of HPTLC Method for the Estimation of Triamcinolone in Bulk and in Tablet Formulation	International Journal of Pharmaceutical Chemistry & Toxicology, Vol. 1 (1), 2015, pp. 1 – 6	-	377-379
69.	S.V. Patil A.A. Shirkhedkar	Application of UV-Spectrophotometry and RP-HPTLC for estimation of Paliperidone in Bulk and Tablets	Journal of Global Trends in Pharmaceutical Sciences, Vol. 6(3), 2015, pp. 2770-2776	-	380-383
70.	Z.G. Khan, A.A. Shirkhedkar	Estimation of Lurasidone in Bulk and Formulation by First Order Derivative Area Under Curve UV-Spectrophotometric Method	International Journal of Pharmaceutical Sciences and research (Conference proceeding) pp. 602-604	-	384, 385

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Year	No of Publications	Cumulative Number of Publications	Total Impact factor	Cumulative Impact factor
2015	70	373	58.92	251.01
2014	56	303	41.82	192.09
2013	80	247	37.09	150.27
2012	84	167	72.81	113.18
2011	83	83	40.37	40.37

Year	No of Publications	Cumulative Number of Publications
2011	83	83
2012	84	167
2013	80	247
2014	56	303
2015	70	373

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Year	Total Impact factor	Cumulative Impact factor
2011	40.37	40.37
2012	72.81	113.18
2013	37.09	150.27
2014	41.82	192.09
2015	58.92	251.01

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