

## Research Publications (2016)

Sr. No	Name(s) of Author(s)	Title	Journal, vol. Year, page no.	IF	Page no.
1.	H. M. Patel, A. A. Shirkhedkar, A. D. Kulkarni, C V. Pardeshi, S. J. Surana	Anti-Convulsant Potential of Quinazolinones	RSC Advances, Vol. 6, <b>2016</b> , pp. 44435- 44455	3.28	1
2.	S. N. Goyal, U. B Mahajan, S. Kamble, P. Patil, Y. O Agrawal, C. R. Patil	Protective Effect of Oleanolic Acid on Oxidative injury and Cellular abnormalities in Doxorubicin Induced Cardiac toxicity in Rats	American Journal of Translational Research, Vol. 8(1), <b>2016</b> , 60-69	3.14	12
3.	A. G. Sonje, H. S. Mahajan	Nasal inserts containing Ondansetron Hydrochloride Based on Chitosan-Gellan Gum Polyelectrolyte Complex: <i>In vitro</i> - <i>in vivo</i> Studies	Materials Science and Engineering C 64, <b>2016</b> , pp. 329-335	3.33	17
4.	S. R. Shahi, M. W. Thube, A. M. Shaikh, H. S. Mahajan, I. Tadwee	Spray Dried Nasal Mucoadhesive Microspheres of Carbamazepine: In Vitro / Ex Vivo Evaluation	Advances in Applied and Pharmaceutical Sciences Journal Vol. 1(1), <b>2016</b> , pp.21-29	-	21
5.	H. S. Mahajan S. K. Savale	Nano emulsions: A versatile Mode of Drug Delivery System	Indian Journal of Novel Drug Delivery, Vol. 8(3), <b>2016</b> , pp 123-132	-	26
6.	P. P. Ige, R. R. Badgujar, P. P. Nerkar, H. S. Mahajan, R. O. Sonawane, S. J. Surana	Study of Physicochemical Properties of Flutamide Loaded Ocimum Basilicum Microspheres with Ex Vivo Mucoadhesion and In Vitro Drug Release	Particulate Science and Technology DOI: 10.1080/02726351.2016.1278293	0.70	31
7.	N. Patil, S. C. Khadse, P. P. Ige	Review on Novel Granulation Techniques	World Journal of Pharmaceutical Research, Vol. 5(7), <b>2016</b> , pp. 1961-1975	-	36
8.	K. Chaudhari, S. J. Surana, P. S. Jain, H. M. Patel	Mycobacterium Tuberculosis (MTB) GyrB inhibitors: An Attractive Approach for Developing Novel Drugs Against TB	European Journal of Medicinal Chemistry, Vol. 124, <b>2016</b> , pp. 160-185	3.98	44
9.	P. S. Jain, H. P. Chaudhari, P. R. Bari, S. J. Surana	Area Under Curve Method Development and Validation of Rizatriptan Benzoate	International Journal of Pharmaceutical Chemistry and Analysis, Vol. 3(1), <b>2016</b> , pp. 13-17	-	57

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10.	P. S. Jain, H. P. Chaudhari, S. J. Surana	Development and Validation of Stability Indicating HPTLC Method for Estimation of Rizatriptan Benzoate in Bulk and Tablet Dosage Form	International Journal of Pharmaceutical Chemistry and Analysis, Vol. 3(2), <b>2016</b> , pp. 73-79	-	60
11.	S. R. Shenoy, P. S. Jain, M. Kulkarni	Development and Evaluation of Chronomodulated Delivery System of Metoclopramide Hydrochloride	International Journal of Applied Pharmaceutics, Vol. 8(4), <b>2016</b> , pp. 38-42	-	64
12.	V. G. Ugale, S. B. Bari	Identification of Potential Gly/NMDA Receptor Antagonists by Cheminformatics Approach: A Combination of Pharmacophore Modelling, Virtual Screening and Molecular Docking Studies	SAR and QSAR in Environmental Research, Vol. 27(2), <b>2016</b> , pp. 125-145	1.89	67
13.	V. G. Ugale, S. B. Bari	Structural Exploration of Quinazolin-4(3H)-ones as Anticonvulsants: Rational Design, Synthesis, Pharmacological Evaluation, and Molecular Docking Studies	Archive Der Pharmazie, Vol. 349, <b>2016</b> , pp. 1-17	2.04	78
14.	A. S. Patil, A. A. Shirkhedkar	Development and Validation of Five Simple UV-Spectrophotometry Methods for Estimation of Anagliptin in Bulk and <i>in-house</i> Tablets	Pharmaceutical Methods, Vol. 7(2), <b>2016</b> , pp. 127-131.	-	87
15.	S. N. Badgujar, A. S. Patil, A. A. Shirkhedkar	Estimation of Empaglifozin using Derivative Spectrophotometry and Area Under Curve in Bulk material and in <i>In-house</i> Tablet Formulation	Der Pharmacia Lettre, Vol. 8(8), <b>2016</b> , pp.302-307	-	90
16.	H. Chaudhari, S. Goyal, C. Patil	Neonates with Sickle Cell Disease are Vulnerable to Blue Light Phototherapy-induced Oxidative Stress and Proinflammatory Cytokine Elevations	Medical Hypotheses, <b>2016</b> , doi: <a href="http://dx.doi.org/10.1016/j.mehy.2016.09.025">http://dx.doi.org/10.1016/j.mehy.2016.09.025</a>	1.11	93
17.	S. S. Chalikwar, D. R. Shah, P. S. Jain	Estimation of Metformin Hydrochloride in Bulk and Granules by Ion-Pair Liquid Chromatography	Analytical Chemistry An Indian Journal, Vol. 16(15), <b>2016</b> , pp. 115.	-	103
18.	V. S. Belgamwar, A. U. Tatiya, M. G. Kalaskar, P. H. Patil, S. S. Chalikwar	A Novel Anionic Atorvastatin Loaded Nano structured Lipid Carriers for Oral Delivery: Formulation Development, <i>In-Vitro</i> and <i>In-Vivo</i> , Pharmacodynamic Study	Indian Journal of Novel Drug Delivery, Vol. 8(4), <b>2016</b> , pp 199-211	-	108

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19.	K. Suchal, N. Gamad, R. K. Malhotra, S. N. Goyal, D. Arya	Seabuckthorn Pulp Oil Protects against Myocardial Ischemia-Reperfusion Injury in Rats through Activation of Akt/eNOS	Frontiers in Pharmacology, Vol. 7, <b>2016</b> , pp. 1-12	4.41	115
20.	K. Suchal, S. Malik, N. Gamad, R. K. Malhotra, S. N. Goyal, D. Arya	Mangiferin Protect Myocardial Insults Through Modulation of MAPK/TGF- $\beta$ Pathways	European Journal of Pharmacology, <b>2016</b> , <a href="http://dx.doi.org/10.1016/j.ejphar.2016.02.055">http://dx.doi.org/10.1016/j.ejphar.2016.02.055</a>	2.73	121
21.	P. R. Gore, C. P. Prajapati, U. B. Mahajan, S. N. Goyal, S. Belemkar, S. Ojha, C. R. Patil	Protective Effect of Thymoquinone Against Cyclophosphamide-Induced Hemorrhagic Cystitis through Inhibiting DNA Damage and Upregulation of Nrf2 Expression	International Journal of Biological Sciences, Vol. 12(8), <b>2016</b> , pp. 944-953	2.69	142
22.	S. Ojha, H. Al Taei, S. Goyal, U. B. Mahajan, C. R. Patil, M. Rajesh	Cardioprotective Potentials of Plant-Derived Small Molecules against Doxorubicin Associated Cardiotoxicity	Oxidative Medicine and Cellular Longevity, <b>2016</b> , <a href="http://dx.doi.org/10.1155/2016/5724973">http://dx.doi.org/10.1155/2016/5724973</a>	4.49	147
23.	K. Suchal, S. Malik, N. Gamad, R. K. Malhotra, S. N. Goyal, S. Ojha, D. Arya	Kaempferol Attenuates Myocardial Ischemic Injury via Inhibition of MAPK Signaling Pathway in Experimental Model of Myocardial Ischemia-Reperfusion Injury	Oxidative Medicine and Cellular Longevity, <b>2016</b> , <a href="http://dx.doi.org/10.1155/2016/7580731">http://dx.doi.org/10.1155/2016/7580731</a>	4.49	157
24.	S. K. Chanchal, U. B. Mahajan, N Reddy, S. N. Goyal, P. H. Patil, C. R. Patil	In vivo and in vitro protective Effects of Omeprazole Against Neuropathic Pain	Scientific Reports, <b>2016</b> , 6:30007 DOI: 10.1038/srep30007	5.22	162
25.	M. V. Kardile, U. B. Mahajan, H. M. Shaikh, S. N. Goyal, C. R. Patil	Membrane Stabilization Assay for Anti-Inflammatory Activity Yields False Positive Results for Samples Containing Traces of Ethanol and Methanol	World Journal of Pharmacy and Pharmaceutical Sciences, Vol. 5(3), <b>2016</b> , 493-497	-	167
26.	M. Ubhale, M. Ola, R. Bhaskar	A Review: Animal Models in Tuberculosis	International Journal of Institutional Pharmacy and Life Sciences, Vol. 6(4), <b>2016</b> , pp. 10-20	-	170
27.	R. Bhaskar, M. Ola, P. H. Patil, K. S. Nawandar	A Review On: Ointment And Ointment Bases	World Journal of Pharmaceutical Research, Vol.5(9), <b>2016</b> , pp. 335-345	-	176

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28.	R. Bhaskar, P. Deore, M. Ola, P. Patil, M. Deore	A Review: Quality by Design (Qbd) is Novel Approach for Development of Pharmaceutical	World Journal of Pharmaceutical Research, Vol.5(9), <b>2016</b> , pp. 395-409	-	182
29.	R. Bhaskar, M. Ola, P. H. Patil, R. Shinde	Impurity Profile: An Overview in Pharmaceuticals	World Journal of Pharmaceutical Research, Vol.5(9), <b>2016</b> , pp. 387-394	-	190
30.	R. Bhaskar, M. Ola, P. H. Patil, R. Patil	Process Validation of Oral Dosage Form (Tablet)	World Journal of Pharmaceutical Research, Vol.5(7), <b>2016</b> , pp. 566-577	-	194
31.	M. N. Noolvi, H. M. Patel, S. Kamboj, S. Cameotra	Synthesis and Antimicrobial Evaluation of Novel 1,3,4-Thiadiazole Derivatives of 2-(4-formyl-2-methoxyphenoxy) acetic acid	Arabian Journal of Chemistry, Vol. 9, Suppl. 2, <b>2016</b> , pp. S1283-S1289	4.13	200
32.	A. D. Kulkarni, H. M. Patel, S. J. Surana, V. S. Belgamwar, C V. Pardeshi	N,N,N-Trimethyl chitosan: An Advanced Polymer with Myriad of Opportunities in Nanomedicine	Carbohydrate Polymers, Vol. 157, <b>2016</b> , pp. 875-902	4.68	204
33.	Md. M. Khan, A. A. Shirkhedkar	Stability-indicating TLC/Densitometric Method for Simultaneous Analysis of Febuxostat and Diclofenac Potassium in Bulk and Tablets	Current Pharmaceutical Analysis, Vol.12, <b>2016</b> , pp. 266-273	0.64	218
34.	A. D. Kulkarni, H. M. Patel, S. J. Surana, V. S. Belgamwar, C V. Pardeshi	New Nasal Nanocomplex Self-Assembled from Charged Biomacromolecules: N,N,N-Trimethyl Chitosan and Dextran Sulfate	International Journal of Biological Macromolecules, Vol. 88, <b>2016</b> , pp. 476-490	3.09	222
35.	V. Thakor, M. Poddar, R. Pawara, H. M. Patel	Exploring the Anti-breast Cancer Potential of Flavonoid Analogs	RSC Advances, Vol. 6, <b>2016</b> , pp. 79166-79179	3.28	230
36.	N. Thapliyal, T. Chiwunze, R. N. Goyal, H.M. Patel	Research Progress in Electroanalytical Techniques for Determination of Anti Malarial Drugs in Pharmaceutical and Biological Samples	RSC Advances, Vol. 6, <b>2016</b> , pp. 57580-57602	3.28	237
37.	P. P. Nerkar, H. S Mahajan, P. P. Ige, R. Solanki	Development and Evaluation of Chia Seed Mucilage-based Buccal Mucoadhesive, Sustained Release Tablet of Venlafaxine	International Journal of Pharmaceutical Sciences & Nanotechnology, Vol. 9(6), <b>2016</b> , pp, 1-8	-	249

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38.	P. P. Nerkar, H. S. Mahajan, P. P. Ige, R. Rajput	Development and <i>in vitro</i> Evaluation of Eudrajit RLPO Based Polymeric Nanoparticles of Lansoprazole	Indian Journal of Novel Drug Delivery, Vol. 8(3), 2016, pp. 165-174	-	253
39.	A. D. Kulkarni, H. M. Patel, V. S. Belgamwar, S. J. Surana, C V. Pardeshi	Polyelectrolyte Complexes: Mechanisms, Critical Experimental Aspects, and Applications	Artificial Cells, Nanomedicine, and Biotechnology, Vol. 44(7), 2016, pp. 1615-1625	2.02	258
40.	C V. Pardeshi, V. S. Belgamwar	Controlled Synthesis of N,N,N-trimethyl Chitosan for Modulated Bioadhesion and Nasal Membrane Permeability	International Journal of Biological Macromolecules, Vol. 82, 2016, pp. 933-944	3.09	264
41.	A. D. Kulkarni, D. B. Bari, S. J. Surana, C V. Pardeshi	In vitro, ex vivo and in vivo Performance of Chitosan-Based Spray-dried Nasal Mucoadhesive Microspheres of Diltiazem Hydrochloride	Journal of Drug Delivery Science and Technology, Vol. 31, 2016, pp. 108-117		270
42.	U. D. Laddha, S. S. Mandan, A. V. Nerpagar, S. J. Surana	Development and Validation of Reverse Phase High Performance Liquid Chromatographic Method for Estimation of Brimonidine Tartrate	International Journal of Pharma Research & Review, Vol. 5(8), 2016, pp. 1-5	-	275
43.	R. M. Bachhav, C. R. Kokare, U. D. Laddha	Asenapine Maleate Mouth Dissolving Film: A Breakthrough Treatment in Schizophrenia	World Journal of Pharmacy and Pharmaceutical Sciences, Vol. 5(9), 2016, 1520-1538	-	278
44.	C. R. Kokare, U. D. Laddha, A. A. Tagalpallewar	Development, Optimization and Enhancement of Transcorneal Permeation of Timolol Maleate from A Novel <i>in Situ</i> Gel	World Journal of Pharmacy and Pharmaceutical Sciences, Vol. 5(9), 2016, 965-985	-	288
45.	S. A. Gosavi, R D Bhalke, G. B. Bhavar, A A. Shirkhedkar, S J. Surana	RP-HPLC Analysis for Simultaneous Determination of Rabeprazole Sodium and Domperidone from Tablet and Bulk Drug by Internal Standard Method	International Journal of Pharmacy, Vol. 6(4), 2016, pp. 61-67	3.65	299
46.	K. R. Dhangar, A. A. Shirkhedkar	Estimation of Delafloxacin Using Derivative Spectrophotometry and Area Under Curve in Bulk Material and in Laboratory Mixture	Journal of Pharmaceutical Technology, Research and Management Vol. 4(1), 2016 pp. 81-87	-	303

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47.	P. G. Nikalje, M. S. Ghodke, F. A. K. Khan, J. N. Sangshetti	Microwave Assisted Facile Synthesis and Biological Evaluation of Novel 2-Indolyl -1, 5-Benzothiazepines	Open Pharmaceutical Sciences Journal, Vol. 3, <b>2016</b> , pp. 117-130	-	307
48.	V. K. Redasani, M. S. Bhavsar, S. J. Surana	Analytical Method Development & Validation of Formoterol Fumarate Dihydrate by Chromatographic and Spectrophotometric Techniques	International Journal of Pharmaceutical Quality Assurance, Vol. 7(4), <b>2016</b> , pp. 79-83	-	321
49.	P. G. Jain, S. J. Surana	Evaluation of Hypolipidemic Effects of Caesalpinia bonduc in a Murine Model of High Fat Diet Induced Hyperlipidemia	Pharmacologia, Vol. 7(1), <b>2016</b> , pp. 1-8	-	324
50.	P. G. Jain, S. J. Surana	Evaluation of Anti-Hyperlipidemic Potential of Prosopis cineraria Extract Against High Fat Diet Induced Hyperlipidemia in Laboratory Rat	Pharmacologia, Vol. 7(1), <b>2016</b> , pp. 44-52	-	328
51.	P. G. Jain, R. D. Patale, D. R. Chaudhary, Y. G. Pawara, S. J. Surana	A Review: Anti-Diabetic Medicinal Plants from Toranmal Region of Maharashtra	World Journal of Pharmaceutical Research, Vol. 5(10), <b>2016</b> , pp.224-243.	-	333
52.	P. G. Jain, S. J. Surana	Isolation, Characterization and Hypolipidemic Activity of Ferulic Acid in High-Fat-Diet-Induced Hyperlipidemia in Laboratory Rats	EXCLI Journal, Vol. 15, <b>2016</b> , pp.599-613	1.29 2	343
53.	B. M. Firake, S.G. Walode, S. D. Firke	Simultaneous Spectrophotometric Estimation of amlodipine and nebivolol in tablet dosage form	Analytical Chemistry an Indian Journal, Vol. 16(5), <b>2016</b> , pp. 220-225	-	351
54.	N. Patil, R.O. Sonawane, G. S. Patil	A Review on Anthelmintic Activity of Citrus Aurantifolia Linn Fruits Extract	World Journal of Pharmaceutical Research, Vol. 5(10), <b>2016</b> , pp. 214-223		354
55.	R. O. Sonawane, S. D. Patil	Formulation Aspects and Effect of Critical Factors for Designing Extended Release Pellets: An Updated Review	Polymer-Plastics Technology and Engineering, Vol. 55(9), <b>2016</b> , pp. 976-989	1.51	359
56.	P. B. Jade, R. O. Sonawane, S. D. Patil, P. P. Ige, C. V. Pardeshi	Co-processed k-carrageenan-Pectin as Pelletizing Aid for Immediate-Release Pellets	Particulate Science and Technology, <a href="http://dx.doi.org/10.1080/02726351.2016.1146811">http://dx.doi.org/10.1080/02726351.2016.1146811</a>	0.70	367

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57.	M. G. Kalaskar, A. U. Tatiya S.J. Surana	Evaluation Of Antioxidant Potential And Qualitative Analysis of Major Polyphenols by RP-HPLC in Luffa Acutangula Vaar. Amara Roxb. Pericarp Extracts	Der Pharmacia Sinica, Vol. 7(2), <b>2016</b> , pp. 13-20		372
58.	V. Bhardwaj, M. N. Noolvi, S. Jalhan, H. M. Patel	Synthesis, and Antimicrobial Evaluation of New Pyridine imidazo [2,1b]-1,3,4-thiadiazole Derivatives	Journal of Saudi Chemical Society, Vol. 20(Supp.1), <b>2016</b> , pp. S406–S410	2.16	376
59.	P. Deore, R. Bhaskar, M. Ola, P. Patil,	Formulation and Evaluation of Nicotine Buccal Film	International Journal of Research in Pharmaceutical and Nano Sciences, Vol. 5(2), <b>2016</b> , pp.39 - 44.	-	379
60.	M Shah, M. Ola, R. Bhaskar	A Review: Management Therapy of Tuberculosis	International Journal of Institutional Pharmacy and Life Sciences, Vol. 6(4), <b>2016</b> , pp. 32-43	-	382
61.	M. V. Girase, M. L. Jadhav	In-vivo and in-vitro Immunomodulatory Potential of <i>Cassia auriculata</i> linn	International Journal of Pharmaceutical Chemistry and Analysis, Vol. 3(4), <b>2016</b> , pp. 229-234	-	388
62.	M. V. Girase, M. L. Jadhav, A. S. Jain	Prosopis Spicigera: A Nature's Gift	International Journal of Pharmaceutical Chemistry and Analysis, Vol. 3(1), <b>2016</b> , pp. 1 - 4	-	391

### Summary of Number of Research Publications with their Impact Factors [2011 - 2016]

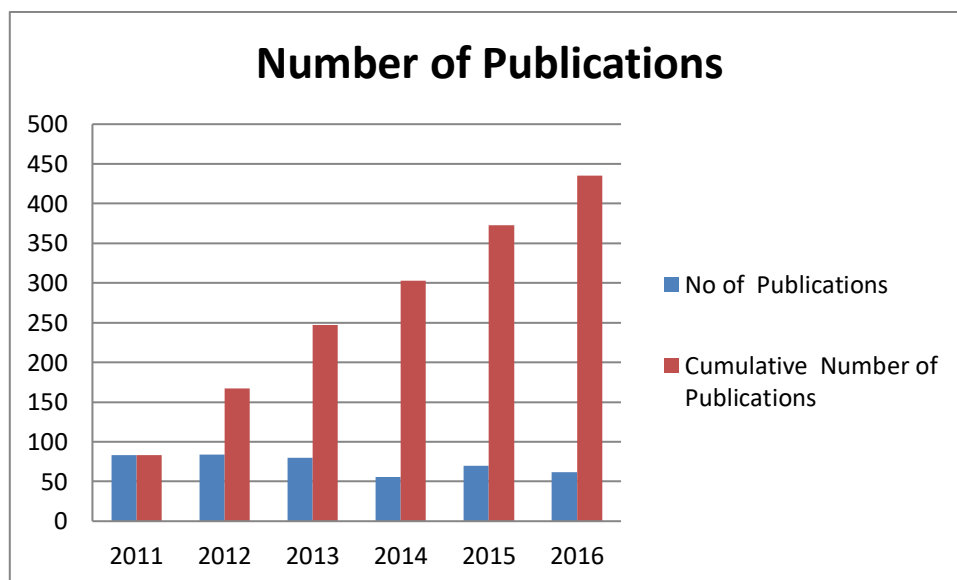
Year	No of Publications	Cumulative Number of Publications	Total Impact factor	Cumulative Impact factor
2016	62	435	77.81	328.82
2015	70	373	58.92	251.01
2014	56	303	41.82	192.09
2013	80	247	37.09	150.27
2012	84	167	72.81	113.18

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2011	83	83	40.37	40.37
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Number of Publications (2011- 2016)

Year	No of Publications	Cumulative Number of Publications
2011	83	83
2012	84	167
2013	80	247
2014	56	303
2015	70	373
2016	62	435





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**Impact factor on Research Papers Published (2011-2016)**

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
2016	77.81	328.82

