

## Research Publications (2017)

Sr. No	Title	Applicants	Application No.	App. Number
1.	Novel Antitubercular Drug Delivery Systems Utilizing Liquid Crystal Mesophase	Ms. Ola Monika; Mr. Bhaskar Rajveer; Dr. Belgamwar Veena S.; Dr. Surana Sanjay J.	201721014 706	TEMP/E- 1/14862/2017 -MUM

Sr. No.	Name(s) of Author(s)	Title	Journal, vol. Year, page no.	IF	Page no.
1	H. Patel, R. Pawara, A. Ansari, S. Surana	Recent updates on third generation EGFR inhibitors and emergence of fourth generation EGFR inhibitors to combat C797S resistance	European Journal of Medicinal Chemistry, Online available	4.5 1	1
2	S. B. Ganorkar, A. A. Shirkhedkar	Design of experiments in liquid chromatography (HPLC) analysis of pharmaceuticals: analytics, applications, implications and future prospects	Reviews in Analytical Chemistry, Vol. 36(3), 2017, pp. 1-43	1.9 1	9
3	P. D Patil, U. B. Mahajan, K. R Patil, S. Chaudhari, C. R Patil, Y. O. Agrawal, S. N. Goyal	Past and current perspective on new therapeutic targets for Type-ii diabetes	Drug Design, Development and Therapy Vol. 11, 2017, pp. 1567-1583	3.0 2	31
4	A.D. Kulkarni, H.M. Patel, S.J. Surana, Y.H. Vanjari, V. S. Belgamwar, C.V. Pardeshi	N,N,N-Trimethyl chitosan: An advanced polymer with myriad of opportunities in Nanomedicine	Carbohydrate Polymers, Vol. 157, 2017, pp.875-902	5.1 3	40
5	U. B. Mahajan, C. R. Patil, D. S. Arya, K. Suchal, Y. O. Agrawal,	The Protective Effect of Apigenin on Myocardial Injury in Diabetic Rats mediating Activation of the PPAR- $\gamma$ Pathway	International Journal of Molecular sciences Vol. 18, 2017, pp. 756	3.2 2	54

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S.N. Goyal					
6	V. G. Ugale, H. M. Patel, S. J. Surana	Molecular modeling studies of quinoline derivatives as VEGFR-2 tyrosine kinase inhibitors using pharmacophore based 3D QSAR and docking approach	Arabian Journal of Chemistry, <b>2017</b> , Vol. 10, pp. S1980–S2003	5.3 8	62
7	V. Ugale, H. Patel, B. Patel, S. Bari	Benzofurano-isatins: Search for antimicrobial Agents	Arabian Journal of Chemistry, <b>2017</b> , Vol. 10, pp. S389–S396	5.3 8	74
8	H. S. Mahajan, Y. V. Kelkar	Pregelatinized Hydroxypropyl Pea Starch as Matrix Forming Material for Lyophilized Orodispersible Tablets of Tadalafil	Journal of Drug Delivery Science and Technology 10.1016/j.jddst.2017.07.023	1.1 9	78
9	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 Journal of Chemistry, Vol. 3, <b>2017</b> , pp. 273-282	5.3 3	89
10	H. M. Patel, R. Pawara, A. Ansari, M. Noolvi, S. Surana	Design and synthesis of quinazolinones as EGFR inhibitors to overcome EGFR resistance obstacle	Bioorganic & Medicinal Chemistry, <b>2017</b> , Vol. 25, (10), pp. 2713-2723	2.9 3	94
11	R. O. Sonawane, S. D. Patil	Gelatin-κ-carrageenan polyelectrolyte complex hydrogel compositions for the design and development of extended-release pellets	International Journal of Polymeric Materials and Polymeric Biomaterials. Vol. 66(16): <b>2017</b> , pp. 812–823	1.6 9	100
12	S. B. Ganorkar, A. A. Shirkhedkar	Novel HPTLC and UV-AUC analyses: For simple, economical, and rapid determination of Zileuton racemate	Arabian Journal of Chemistry, Vol. 10, <b>2017</b> , pp. 360-367	4.5 5	107

13	Y. B. Wani , D. D. Patil	An experimental design approach for optimization of spectrophotometric method for estimation of cefixime trihydrate using ninhydrin as derivatizing reagent in bulk and pharmaceutical formulation.	Journal of Saudi Chemical Society, Vol. 21, <b>2017</b> , pp. S101–S111	2.8 8	111
14	K.B. Bachchhao, R. R. Patil, C. R. Patil, D. D Patil	Hydroxyurea-Lactose Interaction Study: In Silico and In Vitro Evaluation	AAPS PharmSciTech DOI: 10.1208/s12249-017-0791-4	2.4 5	117
15	V. Abbot, P. Sharma, S. Dhiman, M. N. Noolvi, H. M. Patel, V. Bhardwaj	Small hybrid heteroaromatics: resourceful biological tools in cancer research	RSC Advances, <b>2017</b> , Vol. 7, pp. 28313–28349	3.1 0	121
16	C.V. Pardeshi, V. S. Belgamwar	Ropinirole-dextran sulfate nanoplex for nasal administration against Parkinson's disease: in silico molecular modeling and <i>in vitro-ex vivo</i> evaluation	Artificial Cells, Nanomedicine, and Biotechnology, <b>2017</b> Vol. 45(3) pp. 635–648	5.6 0	140
17	A. S. Patil A. A. Shirkhedkar	Application of Quality by Design in the Development of HPTLC Method for Estimation of Anagliptin in Bulk and in-house Tablets	Eurasian Journal of Analytical Chemistry, Vol. 12(5), <b>2017</b> , pp. 443-458	-	148
18	S. R Chaudhari, A. S Patil, A. A Shirkhedkar	Development of Six UV-Spectrophotometry Methods for Estimation of Gliclazide in Bulk and in Tablet Formulation	Inventi Rapid: Pharm Analysis & Quality Assurance, Vol. 2017(2) <b>2017</b> , pp 1-4	-	156

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19	A. A Shirkhedkar, S. R Chaudhari, A. S Patil, S.J. Surana	A Concise Review on Analytical Profile of Valsartan	Eurasian Journal of Analytical Chemistry, Vol. 12(4), <b>2017</b> , pp. 337-364	-	158
20	A. V. Gujar, A. B. Mundada, A. A. Shirkhedkar	Analytical Review on Raloxifene -An Estrogen Receptor Modulator in Different Pharmaceutical Formulations and Biological Fluids	Journal of Pharmaceutical Technology, Research and Management, Vol.5 (1), <b>2017</b> pp. 41-57	-	172
21	Md. M. G. Khan, A. A. Shirkhedkar	Validated Stability- indicating NP- HPTLC/Densitometry Method for the Assay of Zolpidem Tartrate in Pharmaceutical Dosage Form	Pharm Methods, Vol. 8(2), <b>2017</b> , pp. 87-91	-	181
22	K. R. Dhangar, R.B. Jagtap, S. J. Surana, A. A. Shirkhedkar	Impurity profiling of drugs towards safety and efficacy: theory and practice	Journal of Chilean Chemical Society, Vol. 62(2), <b>2017</b> , pp. 3543- 3557	0.4 2	184
23	P.S. Bobade, S. B. Ganorkar	Critical review of chromatographic and spectrophotometric Methods and application of UV- AUC technique for simple, Rapid, quantitative estimation of atazanavir sulphate	Indian Drugs, Vol. 54(5), <b>2017</b> , pp. 26-36	-	192
24	P.S. Bobade, S. B. Ganorkar	Establishing Pharmaceutical Brand Variability for Bisoprolol Fumarate and Hydrochlorothiazide Combinations: As an applied Q-absorbance Spectrophotometry	Pharm Methods, Vol. 8(1), <b>2017</b> , pp. 40-44	-	198
25	U. V. Deore, M. D. Kamalja, N. P Salunkhe, V. Mahajan	Extraction and Evaluation of Pectin from citrus limonis Peels	International Journal of Pharmaceutical and Analytical Research, Vol. 2(2), <b>2017</b> , pp.1- 12.	-	201
26	K. D. Mali, R. M. Shroff,	Formulation and Evaluation of Ayurvedic Herbal Oil	Indo American Journal of Pharmaceutical	-	207

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	S. D. Chaudhari, S. S. Bacchav		Research, Vol 7(3), <b>2017</b> pp. 8041- 8044		
<b>27</b>	K. D. Mali , U. D. Ladda, S.J. Surana	Formulation and Evaluation of Atorvastatin Calcium Ternary Solid Dispersion	International Journal of Pharmaceutical and Analytical Research, Vol. 1(4), <b>2015</b> pp. 14- 28.	-	<b>209</b>
<b>28</b>	M. T. Pingle, S. S. Gadekar, S. K. Bhavsar, S. J. Surana	Antibacterial activity of Momordica dioica Roxb. fruit pericarp and leaves in bacterial species	SPER Journal of Analysis and Drug Regulatory Affairs, Vol. 2(1), <b>2017</b> , pp. 23-25	-	<b>217</b>
<b>29</b>	T. K. Patil, S. S Gadekar	To study the antidandruff activity of rosemary oil, basil oil, coleus oil over selenium sulphide	SPER Journal of Analysis and Drug Regulatory Affairs Vol. 2(1), <b>2017</b> , pp. 26-29	-	<b>219</b>
<b>30</b>	C.V. Pardeshi, A.D. Kulkarni, V. S. Belgamwar, S. J Surana	Intranasal Delivery of Nano Neurotherapeutics: A Meta Opinion	Global journal of nanomedicine, Vol. 1(3), <b>2017</b> , pp. 1-4	-	<b>221</b>
<b>31</b>	P. B. Jade, R. O. Sonawane, S. D. Patil, P. P. Ige, C. V. Pardeshi	Co-processed $\kappa$ - carrageenan-pectin as pelletizing aid for immediate- release pellets	Particulate Science and Technology, Vol. 35(2), <b>2017</b> , pp. 192-200	0.7 4	<b>223</b>
<b>32</b>	H. S. Mahajan, K. G. Bhalkar	Development and Evaluation of Rutin- HP $\beta$ CD Inclusion Complex Based Mouth Dissolving Tablets	Int. J. Pharm. Sci. Dev. Res. Vol. 3(1): <b>2017</b> , pp.1-6	-	<b>228</b>
<b>33</b>	H. S. Mahajan, P. P. Patil	In situ cross Linked Chitosan-Gellan Gum Polyelectrolyte Complex Based Nanogels Containing Curcumin for Delivery to Cancer Cells	Indian Journal of Pharmaceutical Education and Research Vol. 51 (2S), <b>2017</b> , pp. S40-S45	-	<b>231</b>
<b>34</b>	S. Savale, H. Mahajan	UV Spectrophotometric Method Development and Validation for Quantitative Estimation of Diclofenac Sodium	Asian Journal of Biomaterial Research <b>2017</b> ; 3(2):40-43	-	<b>234</b>
<b>35</b>	H. S. Mahajan, S. Beldar	Rutin loaded nanoemulsion formulation for brain	Indian Journal of Novel Drug Delivery, Vol. 9(2), <b>2017</b> , pp. 96-106	-	<b>236</b>

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		tumortargeting: <i>In-vitro</i> , <i>ex-vivo</i> permeation and <i>in-vitro</i> cytotoxicity assay			
36	H. S. Mahajan, S. B. Dusunge, S. A. Gundare	Xyloglucan based Microspheres for Pulmonary Delivery of Rifabutin Dry Powder Inhaler	International Journal of Pharmaceutical Sciences and Nanotechnology Vol. 10(3) 2017, pp. 3709-3714	-	242
37	H. S. Mahajan, M. I. Patel	Development, Characterization and Brain distribution studies of nanostructured lipid carrier containing saquinavir mesylate for nasal administration	Indian Drugs, Vol. 54 (09) September 2017, pp. 38-47	-	245
38	P. Chaudhari, R. Sonawane, P. Deore	Pelletization techniques: Novel approach for drug delivery	The Pharma Innovation Journal. Vol. 6(2): 2017, pp. 03- 10	-	250
39	P. P. Ige, R. R. Badgular, 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 10.1080/02726351.20 16.1278293	0.7 4	254
40	R.O. Sonawane V. P. Patil, S.D. Patil	Co-solvency and Anti- solvent Method for the Solubility Enhancement of Drug: An Overview	International Journal of Pharmaceutical and Analytical Research Vol.2(1): 2017, pp. 13- 33	-	259
41	U. B. Mahajan, A. K. Walke, M. V. Kardile, S. N. Goyal, S. Siddharth, C. N. Kundu, S. Ojha, C. R. Patil1	Anti-inflammatory homoeopathic drug dilutions restrain lipopolysaccharide- induced release of pro- inflammatory cytokines: In vitro and in vivo evidence	Indian Journal of Research in Homoeopathy Vol. 11(3): 2017, pp. 158-169	-	270
42	P. P. Yeole, Y. B. Wani, S. C. Khadse, S. J. Surana	Stability-indicating assay method for desonide in bulk and pharmaceutical formulation by HPTLC	Future Journal of Pharmaceutical Sciences, Vol. 3, 2017, pp. 18-22	-	276

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<b>43</b>	M. J Chaudhari, S. S. Chalikwar, S. J. Surana, A. A. Shirkhedkar	A Comprehensive Review on Analytical Profile of Nelfinavir	Inventi Rapid: Pharm Analysis & Quality Assurance Vol. 2017(2), <b>2017</b> , pp. 1-7	-	279
<b>44</b>	M. Ola, V.S. Belgamwar	Process Optimization for Formulation of An Oral Pyrazinamide Cubosome	International Journal of Recent Scientific Research Vol. 8(9), <b>2017</b> , pp. 16876-79	-	283
<b>45</b>	R. Bhaskar, P. H. Patil	Nanocrystal Suspension of Cefixime Trihydrate Preparation by High-Pressure Homogenization Formulation Design Using 2 <sup>3</sup> Factorial Design	International Journal of Pharmacy and Pharmaceutical Sciences, Vol. 9(9), <b>2017</b> , pp. 64-71	-	285
<b>46</b>	S. Savale, S. Chalikwar	Self Micro Emulsifying Drug Delivery System (SMEDDS): A Review	Asian Journal of Biomaterial Research <b>2017</b> ; 3(2):12-17	-	289
<b>47</b>	A. P. Gorle, I. T. Pawara, A. P. Achaliya	Design Development and Evaluation of Transdermal Drug Delivery System of Antipyretic Agent	International Journal of Pharma Research and Health Sciences, <b>2017</b> , Vol. 5 (4): pp. 1743-49	-	292
<b>48</b>	A. Gorle, R. Yadav, M. Rathod, P. Mali	Formulation and Evaluation of In Situ Gel Containing Ciprofloxacin Hydrochloride in the Treatment of Periodontitis	Asian Journal of Pharmaceutical and Clinical Research, Vol. 10(6), <b>2017</b> , pp. 154-159	-	296
<b>49</b>	A.P. Gorle, H.V. Mahale, C.S. Patil	Effective Management of Odontogenic Infections Through Controlled Fashion by Polymeric Device Containing Moxifloxacin	International Journal of Current Pharmaceutical Research, <b>2017</b> , Vol 9(5), pp. 100-106	-	299
<b>50</b>	A. Gorle, K. Pawara	Formulation, Development and Evaluation of Antiacne Dapsone Gel	World Journal of Pharmacy and Pharmaceutical Sciences, <b>2017</b> , Vol. 6(8), pp. 1664-1679	-	303
<b>51</b>	A. Gorle, N. Rathod, A. More	A Possible Way to Improve the Therapeutic Effectiveness of	Research Journal of Pharmaceutical, Biological and Chemical Sciences	0.3 8	311

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		Levetiracetam Via Nose to Brain	2017, Vol. 8(2), pp. 2258-69		
52	A. P. Gorle, I. T. Pawara, A. P. Achaliya	Design Development and Evaluation of Transdermal Drug Delivery System of Antipyretic Agent	International Journal of Pharmaceutical Research and Health Sciences, 2017, Vol. 5 (4), pp. 1707-12	-	317
53	M. G. Kalaskar, A. U. Tatiya, J. J. Lamale, S. J. Surana.	Morpho-anatomical studies of Euphorbia heterophylla Linn. Leaves	Bioscience Discovery, 2017, 8(2):146-152	-	321
54	A. U. Tatiya, V. G. Beldar, S. J. Surana	Pharmacognostic, Phytochemical and Pharmacological Review on Machilus Macrantha Nees.	European Journal of Pharmaceutical and Medical Research, 2017,4(3), 174-178	-	325
55	S. V. Upasani, V G. Beldar, A. U. Tatiya, M.S. Upasani, S. J. Surana, D. S. Patil	Ethnomedicinal plants used for snakebite in India: a brief overview	Integrative Medicine Research, 2017, Vol. 6 , pp.114–130	-	328
56	P. Chaudhari, V. G. Ugale, S. Bari	Bioinformatics Based Three Dimentional Qsar and Pharmacophore Development of Receptor Tyrosine Kinase Inhibitors	European Journal of Biomedical and Pharmaceutical sciences, 2017, Vol. 4(3), pp. 222-228.	-	337
57	K.S. Chaudhari, H. M. Patel, S. J. Surana	Pyridines: Multidrug-resistant tuberculosis(MDR-TB) inhibitors	Indian Journal of Tuberculosis, 2017, Vol. 64, pp. 119-128	-	341
58	M. B. Palkar, A. Patil, H. M. Patel, A M. Kanhed, M. R. Yadav, R. V. Karpoornath	Design, synthesis and QSAR studies of 2-amino benzo[d]thiazolyl substituted pyrazol-5-ones: novel class of promising antibacterial Agents	Medicinal Chemistry Research DOI 10.1007/s00044-017-1898-6	1.2 7	347
59	P. S. Jain, H. P Chaudhari, G. B. Patil, S. J Surana	Force Degradation Study of Rizatriptan Benzoate by RP- HPLC Method and Characterization of Degraded Product	Biomedical Journal of Scientific and Technical Research, 2017, Vol. 1(5), pp.1-7	-	357



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60	Y. A. Sonar, M. H. Bele, N. H. Sonar, V. S. Bagul, P. S. Shimpi	Taste Abatement and Characterization of Dispersible Tablets of Artemether Prepared by Hot Melt Extrusion	International Journal Applied Pharmaceutics, 2017, Vol. 9(6), pp.28- 33	-	361
61	S. D. Raysing, S. Rangari, U. Sonawane, S. Bari, S. Surana	Formulation Development and Evaluation of Novel Dual- Compartment Capsule for Stomach Specific Drug Delivery	Journal of Drug Delivery & Therapeutics, 2017, Vol. 7(7), pp. 90-92		364
62	S. D. Firke, N. A. Patel, R. R. Patil	Development and Validation of HPTLC Method for Estimation of Cyamemazine Tartrate and its Formulation	International Journal of Pharmaceutical Quality Assurance 2017, Vol. 8(1), pp. 39-43		366
63	A. D. Kulkarni, H. M. Patel, S. J. Surana, V. S. Belgamwar, K. S. Chaudhari, C. V. Pardeshi	Xyloglucan: A functional biomacromolecule for drug delivery applications	International Journal of Biological Macromolecules 2017, Vol. 104( A), pp. 799-812	3.6 7	369

**Summary of Number of Research Publications with their Impact Factors  
[2011 - 2017]**

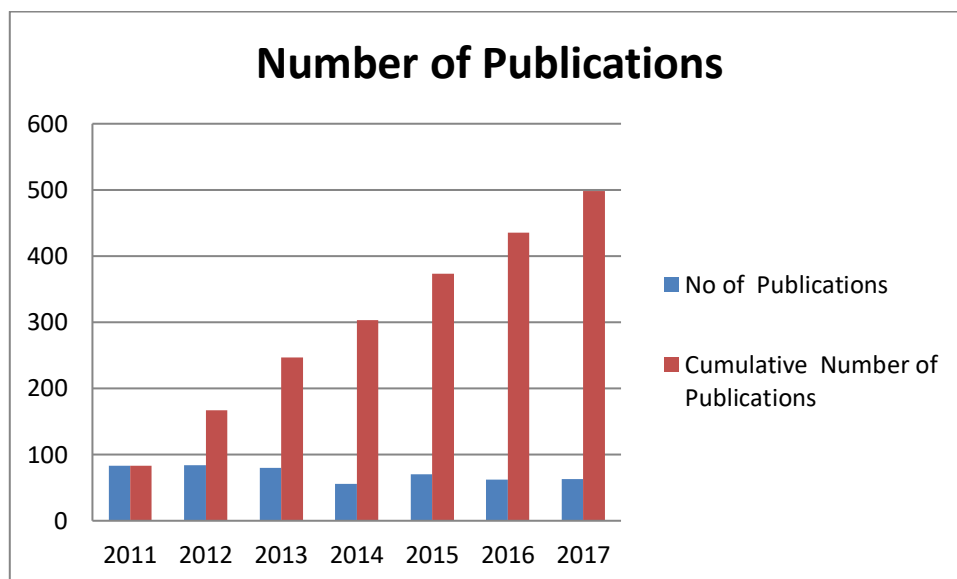
<b>Year</b>	<b>No of Publications</b>	<b>Cumulative Number of Publications</b>	<b>Total Impact factor</b>	<b>Cumulative Impact factor</b>
2017	63	498	65.79	394.61
2016	62	435	77.81	328.82
2015	70	373	58.92	251.01
2014	56	303	41.82	192.09
2013	80	247	37.09	150.27
2012	84	167	72.81	113.18
2011	83	83	40.37	40.37

**Number of Publications (2011- 2016)**

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

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<b>2016</b>	<b>62</b>	<b>435</b>
<b>2017</b>	<b>63</b>	<b>498</b>



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

<b>Year</b>	<b>Total Impact factor</b>	<b>Cumulative Impact factor</b>
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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2016	77.81	328.82
2017	65.79	394.61

