

Shirpur Education Society
R. C. Patel Institute of Pharmaceutical Education and Research, Shirpur
Research Publications (2018)

Sr. No.	Name(s) of Author(s)	Title	Journal, vol. Year, page no.	IF	Page no.
1.	H. Patel, K. Dhangar, S. Surana, M. Shaikh, R. Jagtap	In Search of Selective 11b-HSD Type 1 Inhibitors without Nephrotoxicity: An Approach to Resolve the Metabolic Syndrome by Virtual Based Screening	Arabian Journal of Chemistry, Vol. 11, 2018 , pp. 221–232	4.553	1
2.	J. P. Gokhale, S. J. Surana	Quercetin Loaded Nanostructured Lipid Carriers-Based Gel for Rheumatoid Arthritis: Formulation , Characterization and <i>in-vivo</i> Evaluation	International Journal of Pharmaceutical Sciences and Nanotechnology, Vol. 11(1), 2018 , pp. 3962	-	7
3.	R. H. Rathod, A. S. Patil, A. A. Shirkhedkar	Novel NP and RP-HPTLC in Praxis for Simultaneous Estimation of Chlorthalidone and Cilnidipine in Bulk and Pharmaceutical Formulation	Analytical Chemistry Letters, Vol. 8 (6), 2018 , pp. 862 - 871	-	12
4.	R.O. Sonawane, R.R. Mogre, P.P Ige, P.J. Chaudhari	Formulation and Evaluation of Immediate Release Pellets by Using Co- Processed Polymer	Indian Journal of Novel Drug Delivery, Vol. 9 (4), 2017 , pp. 245-253	-	18
5.	P. Chaudhari, V. Ugale, S. Bari	In-Silico 3D QSAR And Pharmacophore Mapping of C-Kit Inhibitors Towards Anticancer Drug Development	Clinical oncology and research (Available online)		23
6.	S.V. Tiwari, P.G. Nikalje, D. K. Lokwani, A.P. Sarkate K. Jamir	Synthesis, Biological Evaluation, Molecular Docking Study and Acute Oral Toxicity Study of Coupled Imidazole-pyrimidine Derivatives	Letters in Drug Design & Discovery, Vol.15, 2018 , pp. 475-487.	0.872	27
7.	M. R. Bhosle, L. D. Khillare, J. R. Mali, D. K. Lokwani, S. V. Tiwari	DIPEAc Promoted One-pot Synthesis of dihydropyrido[2,3-d:6,5-d ₀]dipyrimidinetetraone and pyrimido[4,5-d]pyrimidine Derivatives as Potent Tyrosinase Inhibitors and Anticancer Agents: in vitro Screening, Molecular Docking and ADMET Predictions	New Journal of Chemistry, Vol. 42 2018 , pp. 18621-18632	-	34
8.	P.P.Ige, S.R. Pardeshi, R.O Sonawane.	Development of pH Dependant Nanospheres for Nebulisation- <i>In Vitro</i> Diffusion, Aerodynamic and Cytotoxicity Studies.	Drug Research, 2018 , doi: 10.1055/a-0595-7678	0.701	40
9.	P.P. Ige, P.M. Rajput	Stability Study of Micro-emulsion and Their Use in Formulation of Pellets	Indian Journal of Novel Drug delivery, 2017 , Vol. 9(4), pp.	-	44

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		with Enhanced Solubility and Dissolution Efficiency of Nevirapine	223-235		
10.	P.P. Ige, P.P. Gadgil, R.O. Sonawane	Use Black Gram Polysaccharide Mucilage as Release Retardant in The Development of Sustained Release Matrix Pellets of Ciprofloxacin HCl	Indian Journal of pharmaceutical Education and Research, vol.52 (3), 2018 , P.P. 389-97.	-	51
11.	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, 2017 , Vol. 142, pp. 32-47	4.816	56
12.	R.R. Patil, Y.S. Pawara, N. Mahajan, H. S. Mahajan	Development and Evaluation of Banana Pulp Powder as a Pharmaceutical Excipient	Indian Journal of Novel Drug Delivery, Vol. 10(1), 2018 , pp. 32-37		64
13.	P.S. Jain, N. A. Ansari, S. J. Surana	Quantitative Estimation of Felodipine by Zero and First Order Derivative Area under Curve Spectrophotometric Methods in Bulk and in-house Tablets	Acta Chimica and Pharmaceutica Indica, 2018 , Vol. 8 (2), pp.1-11	-	67
14.	A. G. Nerkar, P. Shinde, A.A. Shirkhedkar, P. Jain	In Silico Design, Synthesis and In Vitro Evaluation of Quinazolinone Derivatives as Dipeptidyl Peptidase-4 (DPP-IV) Inhibitors	International Journal of PharmTech Research, Vol.11(03), 2018 , pp 263-273,	-	73
15.	P. Wadhwa, P. Jain, S. Rudrawar, R.A. Jadhav	Quinoline, Coumarin and Other Heterocyclic Analogs Based HIV-1 Integrase Inhibitors	Current Drug Discovery Technologies, 2018 , Vol. 15, pp. 2-19	-	79
16.	P. Wadhwa, P. Jain, H. R. Jadhav	Synthesis and Biological Evaluation of N-(4-Fluorophenyl)-6-Methyl-2-Oxo-1, 2, 3, 4-Tetrahydropyrimidine-5-Carboxamides as HIV Integrase Strand Transfer Inhibitors	Der Pharmacia Lettre, Vol. 10 (4), 2018 , pp. 100-114	-	88
17.	S Shenoy, P. Jain, M Kulkarni, R. Shenoy	Development and Evaluation of a Chronomodulated Delivery System of Metoclopramide Hydrochloride	Indian Journal of Pharmaceutical Sciences, Vol. 80(5), 2018 , pp. 883-891	0.762	96
18.	H. Patel, A. Shirkhedkar, S. Bari, C. Pardeshi, S. Surana	Quinazolino-thiadiazoles as Antimicrobial Agents	Bulletin of Faculty of Pharmacy, Cairo University, Vol. 56, 2018 , pp.83-90	-	101
19.	H. Patel, R. Pawara, S. Surana	In-Silico Evidences for Binding of Glucokinase Activators to EGFR C797S to Overcome EGFR	Computational Biology and Chemistry, Vol 74,	1.331	105

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		Resistance Obstacle with Mutant-Selective Allosteric Inhibition	2018 , pp.167–189		
20.	R. Bhaskar, P.H. Patil	Nanocrystal Suspension of Poorly Water Soluble Antibacterial Drug by High Pressure Homogenization Technique using Full Factorial Design	IJPSR, Vol. 9 (1) 2018 , pp. 114-122	-	117
21.	M. Ola, V.S. Belgamwar	Process Optimization for Formulation of an Oral Pyrazinamide Cubosome	International Journal of Recent Scientific Research, vol. 8(9), 2017 , pp. 16876- 79	-	122
22.	R. Bhaskar, P. Patil	Nanocrystal Suspension of Cefixime Trihydrate Preparation by High-Pressure Homogenization Formulation Design using 23 Factorial Design	Int J Pharm Pharm Sci, 2017 , Vol. 9 (9), pp.64-71	-	124
23.	R. Bhaskar, M. Ola, M. Mudassar	Estimation of Sildenafil Using Derivative Spectrophotometry in Bulk Material and in Pharmaceutical Formulation	International Journal of Biological & Pharmaceutical Research, Vol. 9(2), 2018 , pp. 45-49.	-	128
24.	R. Bhaskar, M. Ola, S. S. Bhamare	A Review on Formulation Approaches in Immediate Release Tablet	Journal of Drug Delivery & Therapeutics, Vol. 8(3), 2018 , pp. 153-161	-	131
25.	R. S. Cheke, S. D. Firke, R. R. Patil, S. B. Bari	ISATIN: New Hope Against Convulsion	Central Nervous System Agents in Medicinal Chemistry, Vol. 18, 2018 , pp. 1-26	-	136
26.	M. Faizan, M.M.G. Khan, S. D. Firke, A. A. Shirkhedkar	Development and Validation of Zero and First-Order Derivative Area Under Curve Spectrophotometric Methods for the Determination of Aripiprazole in Bulk Material and Tablets	International Journal of Pharmaceutical Chemistry and Analysis, January-March, Vol. 5(1), 2018 , pp. 24-30	-	149
27.	S.R. Shelke, S. D. Firke, S.J. Surana	Development and Validation of RP-HPLC Method for Quantitation of Urapidil In Bulk and Pharmaceutical Formulation using Design of Experiment for Robustness Determination	Pharm Analysis and Quality Assurance Vol. 2018 (2), 2018 , pp.1-7	-	153
28.	A. A. Umaredkar, P. V. Dangre, D.Mahapatra, D. M. Dhabarde	Fabrication of Chitosan-Alginate Polyelectrolyte Complexed Hydrogel for Controlled Release of Cilnidipine: A Statistical Design Approach	Journal of Materials and Technology, 2018 https://doi.org/10.1080/10667857.2018.1456617	2.764	157

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29.	A. Shirkhedkar, M. Ghodke, S. Surana	A Brief Review on Some Novel Promising Molecules as Antitubercular Agent	Inventi Med chem. vol. 2018(3), 2018 pp.1-12	-	163
30.	U.V. Deore, H.S. Mahajan	Isolation and Characterization of Natural Polysaccharide from Cassia Obtusifolia Seed Mucilage as Film Forming Material for Drug Delivery	International Journal of Biological Macromolecules, Vol.115, 2018 pp.1071–1078	3.671	169
31.	M.J. Chaudhari, S. R. Chaudhari, S.S. Chalikwar, A. A Shirkhedkar	Application of Area Under Technique for UV-Spectrophotometric Determination of Luliconazole in Bulk and Pharmaceutical Formulation	Asian Journal of Pharmaceutical Analysis, Vol.8(1), 2018 , pp.1-3	-	173
32.	S. R. Chaudhari, A. S. Patil, A. A. Shirkhedkar	Studies on Derivative Spectroscopy and Area Under Curve UV-Spectrophotometric Methods for Estimation of Apremilast in Bulk and <i>In-house</i> Tablets	Asian Journal of Pharmaceutical Analysis, Vol.8 (1), 2018 , pp.11-16	-	175
33.	S. D. Firke, R. R. Patil, A. S. Patil	Stability-Indicating HPTLC Method for Estimation of Benazepril in Bulk and Tablet Dosage Form	Analytical Chemistry Letters, Vol. 8 (4), 2018 , pp 552 - 564	-	177
34.	A.A. Shirkhedkar, J. S. Borse, M. D. Patil, A. S. Patil	Application of Normal and Reversed-Phase TLC/ Densitometry Methods for Determination of Naratriptan Hydrochloride in Tablet dosage form	Asian Journal of Pharmaceutical Analysis, Vol. 8(2), 2018 , pp. 91-95	-	184
35.	S. R. Chaudhari, S. B. Ganorkar, A. S. Patil, S. J. Surana, A. A. Shirkhedkar,	An Insight on Analytical Profile on Bisoprolol Fumarate – A Selective Beta-1 Adrenoreceptor Blocker	Journal of Pharmaceutical Technology, Research and Management, Vol. 5(2), 2017 , pp. 185–216	-	187
36.	S. S. Chalikwar, S.S. Kayande A.A. Shirkhedkar	Exploring RP-HPLC Method for Analysis of Axitinib in Bulk and <i>in-house</i> Tablets	Journal of Pharmaceutical Technology, Research and Management, Vol-7(2), 2018 , pp. 166–185	-	203
37.	V. A. Chaure, S. B. Ganorkar, G. U. Chaturbhuj, A.A. Shirkhedkar	A Precise Review on Tenofovir Disoproxil Fumarate: An Analytical Profile	Journal of Pharmaceutical Technology, Research and Management, Vol. 8(2), 2018 ,	-	207

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			pp. 245–260		
38.	P. G. Jain, U. B. Mahajan, S. D. Shinde, S. J. Surana	Cardioprotective Role of FA Against Isoproterenol Induced Cardiac Toxicity	Molecular Biology Reports, 2018, https://doi.org/10.1007/s11033-018-4297-2	1.889	215
39.	V. G. Beldar, B. D. Patil, A. U Tatiya	Validated High-Performance Thin-Layer Chromatography Method for Determination of Piperine in Herbal Extracts and Pharmaceutical Dosage Form	Journal of Pharmacognosy and Phytochemistry, Vol. 7(2), 2018 , pp. 2678-2681	-	220
40.	A. Tatiya, M. Kalaskar, Y. Patil, S. Surana	Chemical Analysis, Nutritional Content and Antioxidant Property of Eulophia Herbacea Lindl. Tubers: A Medicinally Versatile Indian Tribal Nutritional Food Supplement	Indian Journal of Traditional Knowledge, Vol. 17(1), 2018 , pp. 414-147	1.061	222
41.	P. H. Patil, H. S. Mahajan	Mixed Micelles for Bioavailability Enhancement of Nelfinavir Mesylate: <i>In Vitro</i> Characterisation and <i>In Vivo</i> Pharmacokinetic Study	Materials Technology, Vol. 33(12), 2018 , pp. 793–802	2.764	226
42.	M. Suryawanshi, H.S. Mahajan	Betulinic Acid: A Review on Potent Anti-Cancer Agent	Tropical journal of Pharmaceutical and Life Sciences, Vol. 5 (3), 2018 , pp. 01-06	0.569	232
43.	S. T. Yewale, H. S. Mahajan	Pharmaceutical Applications of Raman Spectroscopy	Indian Journal of Novel Drug Delivery, Vol. 10(4), 2018 , pp. 159-164	-	235
44.	P. S Jain, V. B Badgujar, G. B Patil, H. P Chaudhari, S. J Surana	Estimation of Cefdinir in Bulk Drug Using Area Under Curve Method	Acta Scientific Pharmaceutical Sciences, Vol. 2 (1), 2018 , pp. 7-10	-	238
45.	M.G. Kalaskar	Concept of Ayurvedic Shodhana Process - not Mere Purification	Journal of Natural Ayurvedic Medicine, Vol. 2(2), 2018 , pp. 123	-	240
46.	M.G. Kalaskar, V.S. Bagul, A.U. Tatiya, S.S. Chalikwar, S.J. Surana	Effect of Different Maturity Stages on Antioxidant Attributes of Indian Gooseberry (<i>Phyllanthusemblica</i> L.)	IP International Journal of Comprehensive and Advanced Pharmacology, Vol. 3(2), 2018 , pp. 56-60.	-	242
47.	A.U. Tatiya, A.K. Saluja, M.G. Kalaskar,	Evaluation of Analgesic and Anti-Inflammatory Activity of Brideliaretusa (<i>Spreng</i>) Bark.	Journal of traditional and complementary medicine, Vol. 7(4),	-	245

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	S.J. Surana, P.H. Patil		2017, pp. 441-451		
48.	S.D. Firke, S.D. Jayswal, A.A. Shirkhedkar, S.S. Chalikwar	Estimation of Mifepristone in Bulk and in-house Formulation by Spectrophotometric Methods	Inventi Rapid: Pharma Analysis and Quality Assurance, Vol. 2018 (4), 2018, pp. 1-5	-	251
49.	A. P. Gorle, D. P. Khairnar	An approach to Improve Therapeutic Efficacy of Doxycycline Hyclate in Treatment of Periodontitis	Iranian Journal of Pharmaceutical Research, Vol. 14(4), 2018, pp. 1550-1562		254
50.	V. K. Redasani, S. R. Chaudhari, A. A. Shirkhedkar, S. J. Surana	A Review on Derivative UV-Spectrophotometry Analysis of Drugs in Pharmaceutical Formulations and Biological Samples Review	Journal of Chilean Chemical Society, Vol. 63(3), 2018, pp.4126-4134	0.463	261
51.	M.F.S. Deshmukh, M.M.G. Khan, S.D. Firke, A. A. Shirkhedkar	Development and Validation of Zero and First-Order Derivative Area Under Curve Spectrophotometric Methods for the Determination of Aripiprazole in Bulk Material and Tablets	International Journal of Pharmaceutical Chemistry and Analysis, Vol. 5(1) 2018, pp. 24-30		266
52.	R. E. Mutha, S. J. Surana	Ultrasonic Frequency Based Development of Chrysin Nanoparticles: Assessment of Bioavailability, Anti-Cancer Activity and Stability	Materials Technology, Vol. 33(7), 2018, pp. 495-505	1.232	270
53.	P. S. Bafna, S. D. Patil	Physicochemical Characterisation and Anti-inflammatory Activity of Ayurvedic Herbo-metallic Tamra bhasma in Acute and Chronic Models of Inflammation	Materials Technology, Vol. 33(10), 2018, pp. 681-688	1.232	276
54.	P. B. Ninave, S. D. Patil	Antiasthmatic Potential of <i>Zizyphus jujuba</i> Mill and Jujuboside B. – Possible Role in the Treatment of Asthma	Respiratory Physiology & Neurobiology, Vol. 260, 2019, pp. 28–36	1.909	281
55.	C.V. Pardeshi, V. S. Belgamwar	N,N,N-trimethyl chitosan modified flaxseed oil based mucoadhesive neuronanoemulsions for direct nose to brain drug delivery	International Journal of Biological Macromolecules, Vol. 120, 2018, pp. 2560–2571	3.909	287
56.	C.V. Pardeshi, A.D. Kulkarni, R. O. Sonawane, V. S. Belgamwar, P. J. Chaudhari,	Mucoadhesive Nanoparticles: A Roadmap to Encounter the Challenge of Rapid Nasal Mucociliary Clearance	Indian Journal of Pharmaceutical Education and Research, Vol. 53(2), 2019, pp. 23-	0.351	293

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	S. J. Surana		33		
57.	U.V. Deore, M.V. Girase	Leaf Morphology: A Review	International Journal of Pharmaceutical and Analytical Research, Vol. 3(1), 2018 , pp. 1-14.	-	299
58.	R.O Sonawane, S.D. Patil	Fabrication and statistical optimization of starch- κ -carrageenan cross-linked hydrogel composite for extended release pellets of zaltoprofen.	International Journal of Biological Macromolecules, Vol. 120, 2018 , pp. 2324-2334	3.909	306
59.	H.E. Chaudhari, S. Sonawane, S. D. Patil	Innovative Teaching Technologies to achieve Higher Cognitive Level in the Students of Higher Learning Institutions	International Journal of Advance Research in Science and Engineering, Vol. 7(12), 2018 , pp. 29-35	-	312
60.	A.G. Dhandar, S. B. Ganorkar, A. S. Patil, A. A. Shirkhedkar	Development and Validation of UV Spectrophotometric Method for Simultaneous Estimation of Quinfamide and Mebendazole in <i>in-house</i> Pharmaceutical Formulation	Journal of Pharmaceutical Technology, Research and Management Vol. 6(1), 2018 , pp. 9–20	-	316
61.	U. B. Mahajan, C. R Patil, Y. O. Agrawal, S. Ojha, S. N. Goyal	Eplerenone attenuates myocardial infarction in diabetic rats via modulation of the PI3K-Akt pathway and phosphorylation of GSK-3 β	American Journal of Translational Research, Vol. 10(9), 2018 , pp. 2810-2821	2.829	322
62.	U. B. Mahajan, S.D. Shinde, S. N. Goyal, C. R. Patil	A Chemosensitizer Drug: Disulfiram Prevents Doxorubicin-Induced Cardiac Dysfunction and Oxidative Stress in Rats	Cardiovascular Toxicology, 2018 DOI: https://doi.org/10.1007/s12012-018-9458-y	2.989	328
63.	S.S. Patil, U. B. Mahajan, S. N. Goyal, S. Belemkar, C.R. Patil	Homoeopathic drug dilutions of Thuja occidentalis attenuate complete Freund's adjuvant-induced arthritis in Wistar rats	Indian Journal of Research in Homoeopathy, Vol. 12, 2018 , pp. 202-11.	-	334
64.	U. B. Mahajan, P.D. Patil, C.R. Patil, Y. O. Agrawal, S. N. Goyal,	Eplerenone pretreatment protects the myocardium against ischaemia/ reperfusion injury through the phosphatidylinositol 3-kinase/Aktdependent pathway in diabetic rats	Molecular and Cellular Biochemistry, 2018 https://doi.org/10.1007/s11010-018-3276-1	2.057	339
65.	D. Mahapatra, V. G. Ugale, R. S. Shivhare	Murrayanine-1,3,4-Oxadiazole-Uracil Hybrid: The Emerging Anti-inflammatory Candidate	International Journal of Pharma Sciences and Research, 2018 , Vol. 9(08) pp. 99-	-	346

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66.	D. Mahapatra, V. G. Ugale, R. S. Shivhare	Anti-inflammatory potentials of some novel Murrayanine containing 1, 3, 4-Oxadiazole derivatives	Asian Journal of Pharmacy and Technology, 2018 , Vol. 8(1), 47-51	-	348

Summary of Number of Research Publications with their Impact Factors
[2011 - 2018]

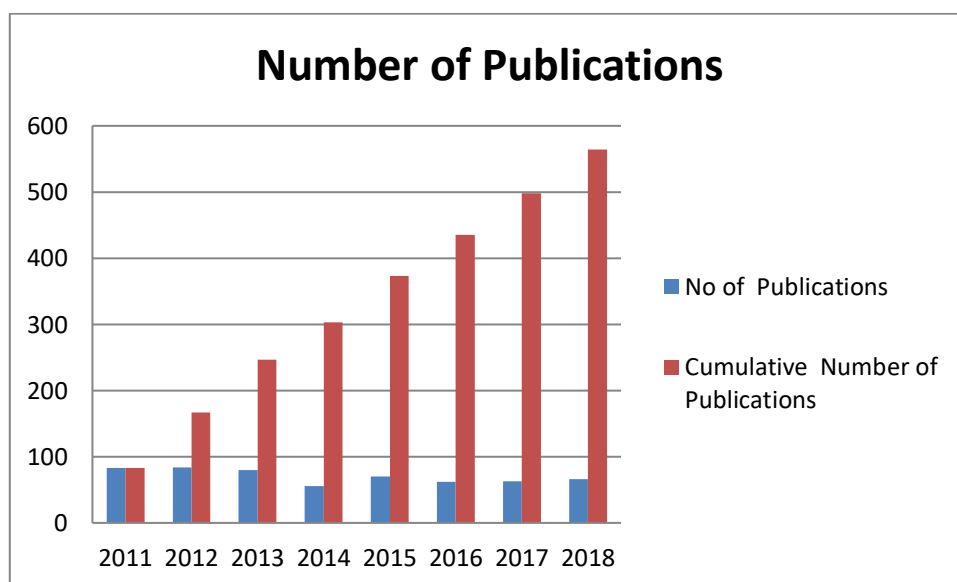
Year	No of Publications	Cumulative Number of Publications	Total Impact factor	Cumulative Impact factor
2018	66	564	46.63	441.24
2017	63	498	65.79	394.61
2016	62	435	77.81	328.82
2015	70	373	58.92	251.01

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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- 2018)

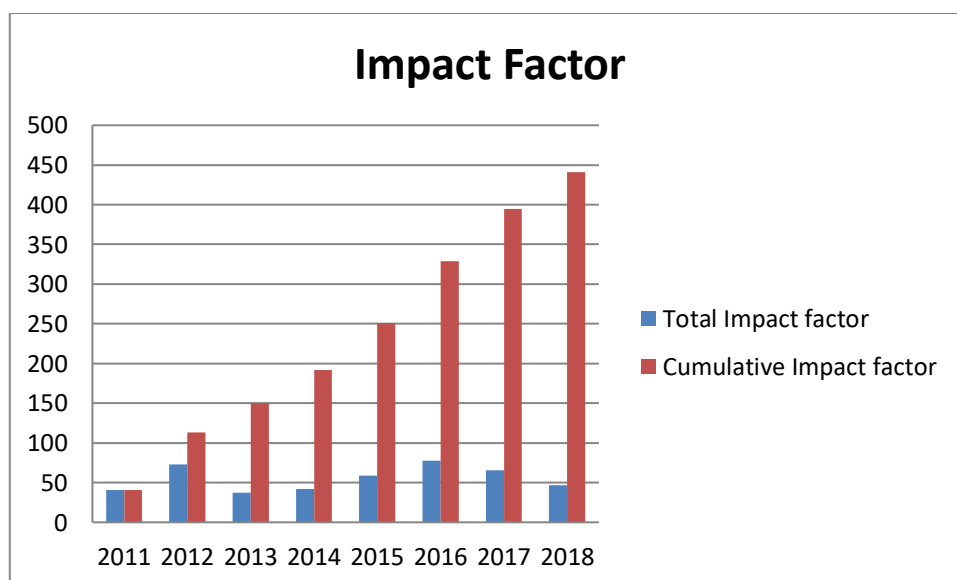
Year	No of Publications	Cumulative Number of Publications
2011	83	83
2012	84	167
2013	80	247
2014	56	303
2015	70	373
2016	62	435
2017	63	498
2018	66	564



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Impact factor on Research Papers Published (2011-2018)

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
2017	65.79	394.61
2018	46.63	441.24



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