

**List of Publications (2017-2021 till date)
as on 07.07.2021**

Department of Pharmaceutics

Year: 2017

Sr. No.	Title the paper	Journal details	Authors
1.	Solid Lipid Nanoparticles of Albendazole for Treatment of Toxocara Canis Infection: In-Vivo efficacy Studies	Nanoscience & Nanotechnology-Asia 2017, 7(1): 80-91 DOI:10.2174/2210681206666160726164457 IF - 0.78	Anjali Kudtarkar, Ujwala Shinde, G. P. Bharkad and Kavita Singh
2.	Sugar Substitutes: An Overview	World Journal of Pharmaceutical Research, 2017, 6(3): 1384-1416 IF – 0.652	Shinde U. A., Kusalkar S. and Rajput N
3.	Co-crystals of Gliclazide: Formulation and Characterisation	American Journal of PharmTech Research 2017, 7(2), 217-235 IF – 1.123	Ujwala Shinde, Urmila Nair, Harita Desai, Elvis Martis, Purnima Amin
4.	Self nano-emulsifying granules (SNEGs) of meloxicam: preparation, characterization, molecular modeling and evaluation of anti-inflammatory activity	Drug Development and Industrial Pharmacy, 2017, 43(4): 600-610 DOI: https://doi.org/10.1080/03639045.2016.1275665 IF – 2.367	Vidhi J. Parekh, Namita D. Desai, Mushtaque S Shaikh, Ujwala A Shinde
5.	Studies on solubility enhancement of poorly soluble NSAID by dual approach of melt granulation and micro-environmental pH modulation	Current Drug Delivery 2017, 14(8): 1201-1212 DOI: https://doi.org/10.2174/1567201814666170413120513 IF – 0.71	Kadam A, Desai N.
6.	Catanionic systems in nanotherapeutics–Biophysical aspects and novel trends in drug delivery applications	Journal of Controlled Release 2017, 266: 331-345 DOI: 10.1016/j.jconrel.2017.09.040 IF – 7.901	Dhawan VV, Nagarsenker MS.
7.	Pulmonary delivery of synergistic combination of fluoroquinolone antibiotic complemented with proteolytic enzyme: A novel antimicrobial and antibiofilm strategy	Nanomedicine: Nano-technology, Biology and Medicine 2017 Oct, 13(7): 2371-84. DOI: https://doi.org/10.1016/j.nano.2017.06.011 IF – 5.570	Gupta PV, Nirwane AM, Belubbi T, Nagarsenker MS.



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Sr. No.	Title the paper	Journal details	Authors
8.	Novel orodispersible compositions of nutraceuticals prepared by the technology of extrusion-spheronization	Journal of Applied Pharmaceutical Science 2017 Apr, 7 (04): 031-037 DOI:10.7324/JAPS.2017.70404 IF – 0.49	Desai N, Jain S, Singh PP, Amin P.
9.	Surface Modified Liposomal Formulation of Amphotericin B: In vitro Evaluation of Potential Against Visceral Leishmaniasis	AAPS PharmSciTech 2017 April, 18(3): 710-720 DOI: 10.1208/s12249-016-0553-8 IF – 2.608	Patere, S. N.; Pathak, P. O.; Shukla, A. K.; Singh, R. K.; Dubey, V. K.; Mehta, M. J.; Patil, A. G.; Gota, V.; Nagarsenker, M. S.
10.	Development and evaluation of nanoparticulate based in – situ gelling system for nasal drug delivery of an anti – epileptic drug	Indian Drugs 2017, 54 (09): 83 – 85 IF – 0.08	Ambavkar A, Desai N.

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Year: 2018

Sr. No.	Title of the paper	Journal details	Authors
11.	Nanolipid Gel of an Antimycotic Drug for Treating Vulvovaginal Candidiasis—Development and Evaluation	AAPS PharmSciTech. 2018 Jan 16, 1: 1. DOI: https://doi.org/10.1208/s12249-017-0918-7 IF - 2.608	Takalkar D, Desai N.
12.	Role of Nanomedicine in Hepatic Targeting- Deciphering Strategies with Molecular Insights and Preclinical Prospects	Drug Delivery Letters 2018, 8(2): 85-105 DOI:10.2174/2210303108666171204160219 IF – 0.1	Dhawan VV, Marwah MS, Nagarsenker MS.
13.	Inhalable Levofloxacin Liposomes complemented with Lysozyme for Treatment of Pulmonary Infection in Rats: Effective Antimicrobial and Antibiofilm Strategy	AAPS PharmSciTech 2018 Apr, 19(3): 1454-1467 DOI:10.1208/s12249-017-0945-4 IF – 2.608	Gupta PV, Nirwane AM, Nagarsenker MS
14.	pH modulation based solid dispersion to enhance solubility of a poorly soluble NSAID - Development and Evaluation	Drug Delivery Letters 2018, 8(1): 41-51 DOI:10.2174/2210303107666170822161343 IF – 0.1	Kadam A, Desai N.
15.	Glyceryl Monostearate: Probing the Self Assembly of a Lipid Amenable To Surface Modification for Hepatic Targeting	The Journal of Physical Chemistry C 2018, 122 (38): 22160-22169 DOI:10.1021/acs.jpcc.8b05931 IF- 4.309	M Marwah, A Magarkar, D Ray, V Aswal, A Bunker, M Nagarsenker
16.	The Potential of Combined Antioxidant Enzyme and Tiotropium Bromide for Improved COPD Therapy - Ex Vivo Studies	RDD Asia 2018. 2018, 1: 171-178	Kalola K, Raut M, Nikalje M, Menon MD, Sule S.
17.	Novel Combination Therapy Using A Dry Powder Inhaler System For Amelioration Of	RDD Asia 2018, 1: 179-186	Chavan S, Naik I, Sule S, Shinde U, Menon MD



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Sr. No.	Title of the paper	Journal details	Authors
	Chronic Obstructive Pulmonary Disease		
18.	Sonocrystallization as a Particle Engineering Technique for Development of Inhalable Particles of Fluticasone Propionate	RDD Asia 2018, 1: 187-192	Agarwal VV, Savla HM, Pokhare AS, Kharade UA, Shinde U, Menon MD
19.	Design and Development of repaglinide microemulsion gel for transdermal delivery	AAPS PharmSciTech, 2018, 19(1): 315-325 DOI: 10.1208/s12249-017-0811-4. IF – 2.608	Ujwala A. Shinde, Sheela H. Modani, and Kavita H. Singh
20.	Lipid Architectonics for Superior Oral Bioavailability of Nelfinavir Mesylate: Comparative in vitro and in vivo Assessment	AAPS PharmSciTech 2018, 19 (8), 3584-3598 DOI: https://doi.org/10.1208/s12249-018-1156-3 IF - 2.608	Tejashree Belubbi, Sukhada Shevade, Vivek Dhawan, Vinay Sridhar, Anuradha Majumdar, Rute Nunes, Francisca Araújo, Bruno Sarmiento, Kalpa Nagarsenker, Frank Steiniger Alfred Fahr, Aniket Magarkar Alex Bunker, Mangal Nagarsenker

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Year: 2019

Sr. No.	Title of the paper	Journal details	Authors
21.	Biowaiver Monograph for Immediate-Release Solid Oral Dosage Forms: Ondansetron	Journal of Pharmaceutical Sciences 2019 Oct, 108(10): 3157-3168 DOI: https://doi.org/10.1016/j.xphs.2019.05.033 . IF - 3.197	Rajawat GS, Belubbi T, Nagarsenker MS, Abrahamsson B, Cristofolletti R, Groot DW, Langguth P, Parr A, Polli JE, Mehta M, Shah VP
22.	Metronidazole loaded nanostructured lipid carriers to improve skin deposition and retention in the treatment of rosacea	Drug Dev Ind Pharm 2019, 45(7): 1039-1051 DOI: https://doi.org/10.1080/03639045.2019.1569026 IF - 2.367	UA Shinde, SJ Parmar, S Easwaran
23.	Preparation and Evaluation of N-Trimethyl Chitosan Nanoparticles of Flurbiprofen for Ocular Delivery	Current Eye Research 2019, 44(5): 575-582 DOI: https://doi.org/10.1080/02713683.2019.1567793 IF - 1.87	UA Shinde, PN Joshi, DD Jain, K Singh
24.	Single-step and low-energy method to prepare solid lipid nanoparticles and nanostructured lipid carriers using biocompatible solvents	European Journal of Pharmaceutical Sciences 2019, 1(1): 12-19 DOI: 10.34154/2019-EJPR.01(01).pp-12-19/eurass IF – 3.773	Date A A, Nagarsenker M S,
25.	Nebulized Glycopyrronium and Formoterol, Budesonide Aerosol Aerodynamic Assessment with Vibrating Mesh and Compressor Air Nebulizer: Anderson Cascade Impactor Study	Journal of Drug Delivery and Therapeutics 2019 9(6): 79-82 DOI: https://doi.org/10.22270/jddt.v9i6.3465 IF – 0.51	Menon, Mala, Isha Naik, Gopal Singh Rajawat, Mangal Nagarsenker, and Korukonda Krishnaprasad



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Department of Pharmaceutics**

Year: 2020

Sr. No.	Title of the paper	Journal details	Authors
26.	Lipid Nanocarriers for superior hepatoprotection: In vitro assessments as toll for in vivo prediction	International Journal of Pharmaceutics 2020, 15(579): 119176 DOI: https://doi.org/10.1016/j.ijpharm.2020.119176 IF – 4.845	Dhawan V, Sutariya B, Lokras A, Thamm J, Saraf M, Warawdekar U, Fahr A, Nagarsenker M.
27.	Formulation and Evaluation of Cationic submicron emulsion for Anti-inflammatory Drug Delivery	Indo American Journal of Pharmaceutical Research July 2020, 10(06) 801-808 DOI: 10.5281/zenodo.3928118 IF – 4.15	H Desai, K Gavhane, P Amin
28.	Liposomes: Advancements and innovation in the manufacturing process	Advanced Drug Delivery Reviews, July 2020, 154-155:102-122 DOI: https://doi.org/10.1016/j.addr.2020.07.002 IF – 15.606	Sanket Shah, Vivek Dhawan, René Holm, Mangal S Nagarsenker, Yvonne Perrie
29.	Partial amorphization of poorly soluble Simvastatin USP using media milling in synergism with Spray Drying.	International Journal of Pharmacy and Pharmaceutical Sciences, Sep 2020, 12(11), 114-121. DOI: http://dx.doi.org/10.22159/ijpps.2020v12i11.39373 .	Harita Desai, Archana Rajadhyax, Purnima Amin



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Year: 2021

Sr. No.	Title of the paper	Journal details	Authors
30.	Intravitreal galactose conjugated polymeric nanoparticles of etoposide for retinoblastoma.	Journal of Drug Delivery Science and Technology, Feb 2021, 61, 102259. DOI: https://doi.org/10.1016/j.jddst.2020.102259	Rutika Godse, Maitreyi Rathod, Abhijit De, Ujwala Shinde.

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Department of Pharmaceutical Chemistry

Year: 2017

Sr. No.	Title of the paper	Journal details	Authors
1.	Discovery of new leads against Mycobacterium tuberculosis using Scaffold Hopping and Shape based Similarity	Bioorg Med Chem, 2017 Sep 1, 25(17): 4835-4844 DOI:10.1016/j.bmc.2017.07.034 IF – 2.448	Ravindra D. Wavhale, Elvis A. F. Martis, Premlata K. Ambre, Baojie Wan, Scott G Franzblau, Krishna R. Iyer, Kavita Raikuvar, Katarzyna Macegoniuk, Łukasz Berlicki, Santosh R. Nandan, Evans C. Coutinho
2.	Novel thermoresponsive assemblies of co-grafted natural and synthetic polymers for water purification	Water SciTechnol 2017, 75: 1084 DOI:https://doi.org/10.2166/wst.2016.599 IF - 1.624	J S Paneysar, S Barton, S Chandra, P Ambre and E Coutinho
3.	Spectral and Molecular Modeling Studies on the Influence of β -Cyclodextrin and Its Derivatives on Albendazole and Its Anti-Proliferative Activity Against Pancreatic Cancer Cells	Journal of Pharmaceutical Sciences and Pharmacology 2017, Mar 1, 3(1): 1-14 DOI: https://doi.org/10.1166/jpsp.2017.1075	Javed Shaikh, Rohan Pradhan, Prasad R Dandawate, Dharmalingam Subramaniam, Sivapriya Ponnu-rangam, Elvis A. F. Martis, Nisharani Ranpise, Evans C Coutinho, E. M. Khan, Subhash Padhye and Shrikant Anant
4.	Structural features of FAP174, a MYCBP-1 orthologue from Chlamydomonas reinhardtii, revealed by computational and experimental analyses	RSC Advances 2017, 7(81): 51391-402. DOI: 10.1039/C7RA07836F . IF – 3.049	Yogesha M, Rao VG, Martis EA, Coutinho EC, Gohlke H, Chidangil S, Dongre PM, D'Souza JS.

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Department of Pharmaceutical Chemistry

Year: 2018

Sr. No.	Title of the paper	Journal details	Authors
5.	Preferential Formulation of Second Generation Antipsychotic Asenapine as Inclusion Complex with Sulphobutylether- β CD (Captisol): In vitro and In vivo Evaluation	Curr Drug Deliv. 2018, 15(4): 520-531 DOI:10.2174/1567201814666171120121217. IF – 1.446	Avachat AM, Kulkarni JA, Avachat CM, Pradhan R, Suryawanshi TS, Khan EM, Martis EA, Coutinho EC, Padhye S.
6.	Flexibility of important HIV-1 targets and in silico design of anti-HIV 1 drugs	Current Chemical Biology 2018, 12(1): 23-39 DOI:10.2174/2212796811666170807154035 IF – 0.43	Martis EAF, Joseph B, Gupta SP, Coutinho EC, Hdoufane I, Bji I, and Cherqaoui D.

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Department of Pharmaceutical Chemistry

Year: 2019

Sr. No.	Title of the paper	Journal details	Authors
7.	4-Hydroxy-2-pyridone derivatives and the δ -pyroneisostere as novel agents against Mycobacterium smegmatis biofilm inhibitors	Bentham Medicinal Chemistry 2019, 15(1): 28-37 DOI: https://doi.org/10.2174/1573406414666180525075755 IF - 3.469	Mahesh R. Borkar, Santosh Nandan, Jisha Padma, Dipankar Chatterji, Evans C. Coutinho
8.	Nanofibers for textile waste water management	Water Practice and Technology 2019, 14(2): 297-310 DOI: https://doi.org/10.2166/wpt.2019.014 IF - 1.247	Joginder Singh Paneysar, Snehal Sawant, Meng Hei Ip, Sukhwinder kaur Bhullar, Stephen Barton, Premlata Ambre, Evans Coutinho.
9.	Eigen Value ANalySis (EVANS)– A Tool to Address Pharmacodynamic, Pharmacokinetic and Toxicity Issues: Proof of Concept Study on Pharmacodynamic Datasets.	International Journal of Quantitative Structure-Property Relationships 2019, 4(3):118-136 DOI: 10.4018/IJQSPR.2019070105	Joseph B, Gomatam AN, Shaikh MA, Khedkar V, Martis EA, Coutinho EC.
10.	Novel p-Functionalized Chromen-4-on-3-yl Chalcones Bearing Astonishing Boronic Acid Moiety as MDM2 Inhibitor: Synthesis, Cytotoxic Evaluation and Simulation Studies.	Medicinal chemistry (Sharjah (United Arab Emirates)). 2019 May. DOI: 10.2174/1573406415666190531123751. IF – 6.054	Bhatia RK, Singh L, Garg R, Kaur M, Yadav M, Madan J, Kancharla S, Pissurlenkar RR, Coutinho EC.

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Department of Pharmaceutical Chemistry

Year: 2020

Sr. No.	Title of the paper	Journal details	Authors
11.	ComProM-QSRR: Integration of Comparative Protein Modeling with Quantitative Structure-Retention Relationship for Prediction of the Chromatographic Behavior of Peptides	Proceedings of International Conference on Drug Discovery (ICDD) 2020, Feb 2020, DOI: https://ssrn.com/abstract=3531195	Maheshkumar Borkar, Evans Coutinho
12.	Design of Focused Library of C-Di-GMP Analogues Based on 3-D Shape Similarity, Structural Diversity and Drug Likeness	Proceedings of International Conference on Drug Discovery (ICDD) 2020, Feb 2020 DOI: https://ssrn.com/abstract=3531726	Ravindra Wavhale, Santosh Nandan, Evans Coutinho
13.	Chromatographic and Computational Studies on the Chiral Recognition of Sulfated β -Cyclodextrin on Enantiomeric Separation of Milnacipran	ChemRxiv, Feb 2020:1-18, DOI : https://doi.org/10.26434/chemrxiv.11726196.v2	Pranav Pathak, Evans C Coutinho, Krishnapriya Mohanraj, Elvis Martis, Vikalp Jain
14.	Novel smart composite materials for industrial wastewater treatment and reuse	Springer Nature Applied Sciences, May 2020, 2(1084): 1-12 DOI: https://link.springer.com/article/10.1007/s42452-020-2778-0	Paneysar Joginder Singh, Jain Sumeet, Ahmed Nida, Barton Stephen, Ambre Premlata, Coutinho Evans
15.	Novel p-Functionalized Chromen-4-on-3-yl Chalcones Bearing Astonishing Boronic Acid Moiety as MDM2 Inhibitor: Synthesis, Cytotoxic Evaluation and Simulation Studies	Medicinal Chemistry, Feb 2020, 16(2): 212-228, DOI: https://doi.org/10.2174/1573406415666190531123751 IF – 6.054	Richa K Bhatia, Lakhwinder Singh, Ruchika Garg, Maninder Kaur, Manmohan Yadav, Jitender Madan, Satyavathi Kancherla, Raghuvir RS Pissurlenkar, Evans C Coutinho

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Year : 2020 continued

Sr. No.	Title of the paper	Journal details	Authors
16.	Structure based optimization of 2,3-dioxopyrrolidones as potential inhibitors of flaviviral methyl transferases.	The Journal of the Indian Chemical Society, Aug 2020, 97, 1179-1189. IF: 0.284	P. Wangikara, Elvis AF Martisa, W Aouadib, SR Nandan, Etienne Decrolyb, Evans C Coutinho
17.	A QSAR Modeling approach for predicting myeloid antimicrobial peptides with high sequence similarity	Chemical biology & drug design, Dec 2020, 96(6),1408-1417. IF: 2.548	Faiza Hanif Waghu, Ulka Gawde, Anish Gomatam, Evans Coutinho, Susan Idicula-Thomas

Year 2021

Sr. No.	Title of the paper	Journal details	Authors
18.	Design, synthesis, and SAR of antitubercular benzylpiperazine ureas	Molecular Diversity, Jan 2021, 1-24 IF: 2.013	Sohal Satish, Rohan Chitral, Amitkumar Kori, Basantkumar Sharma, Jayashree Puttur, Afreen A Khan, Deepali Desle, Kavita Raikumar, Aaron Korkegian, Elvis AF Martis, Krishna R Iyer, Evans C Coutinho, Tanya Parish, Santosh Nandan
19.	Application of the “EigenValue Analysis (EVANS)” Methodology to Build Quantitative Structure Pharmacokinetic Relationship Models.	ChemRxiv. Cambridge: Cambridge Open Engage; 2021	Anish Gomatam, Blessy Joseph, Mushtaque S Shaikh, Poonam Advani, Evans C Coutinho
20.	Evaluation of vanillin as a probe drug for aldehyde oxidase and phenotyping for its activity in a Western Indian Cohort	Indian Journal of Pharmacology, 2021,53 (3), 213-220. DOI: 10.4103/ijp.IJP_463_18 IF: 1.040	Sandhya Subash, Nithya J Gogtay, Krishna R Iyer, Prajakta Gandhe, Ritu Budania, Urmila M Thatte

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Department of Pharmacology and Toxicology

Year: 2017

Sr. No.	Title of the paper	Journal details	Authors
1.	Nanofiber based drug delivery systems for skin: A promising therapeutic approach	Journal of Drug delivery science and Technology 2017, 41: 124-133, DOI: https://doi.org/10.1016/j.jddst.2017.07.003 . IF - 2.606	Pallavi Kamble, Bhakti Sadarni, Anuradha Majumdar and Sukhwinder Bhullar
2.	Understanding mitochondrial biogenesis through energy sensing pathways and its translation in cardio-metabolic health	Archives of Physiology and Biochemistry 2017, Pages 1-13. DOI: 10.1080/13813455.2017.1391847 IF – 1.806	Abhijit Nirwane & Anuradha Majumdar
3.	Pterostilbene ameliorates intracerebroventricular Streptozotocin induced memory decline in rats	Cognitive Neurodynamics September 2017 Feb 11(1): 35-49. DOI: 10.1007/s11571-016-9413-1 IF -3.021	Bhagyashree Naik, Abhijit Nirwane and Anuradha Majumdar
4.	Effects of butein against cisplatin-induced nephrotoxicity and oxidative stress in mice	Journal of Pharmacognosy and Phytochemistry 2017, 6(5): 1371-1375 IF – 2.32	Sutariya B, Saraf M.
5.	Betanin, isolated from fruits of Opuntia elatior Mill attenuates renal fibrosis in diabetic rats through regulating oxidative stress and TGF- β pathway	Journal of Ethnopharmacology, 2017, 198: 432-443 DOI: https://doi.org/10.1016/j.jep.2016.12.048 IF - 3.115	Sutariya B, Saraf M.
6.	Modulation of Donor Graft by the Steroidal Lactone Withaferin A Alleviates Post-Transplant Acute GVHD Via Nrf-2 Independent T-Reg Induction	Blood 130 (Suppl 1), 3174-3174 DOI: https://doi.org/10.1182/blood.V130.Suppl.1.3174.3174 IF – 16.6	Vikram Gota, Miten Mehta, Dievya Gohil, Dhruv Jha, Rajiv Kumar, Beamon Agarwal, Deepak Sharma, Santosh Sandur, Navin



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			Khattry and Anuradha Majumdar
7.	AB0079 Transdermal delivery of methotrexate in rheumatoid arthritis: are we deep enough?	Annals of the Rheumatic Diseases 2017, 76 (Suppl 2): 1074-1074. DOI: http://dx.doi.org/10.1136/annrheumdis-2017-eular.3703 . IF - 14.299	B Sadarani, A Majumdar, P Kamble, S Paradkar, A Mathur, S Sachdev, P Chaudhari, B Mohanty
8.	Patient and physician directed survey on human papillomavirus vaccine in Mumbai, India	Value In Health 2017, 20 (5): A81-A81	P Bagwe, M Joshi, AS Majumdar
9.	Evaluating the potential of dabigatran etexilate in treatment of metastatic colon cancer	European Journal of Cancer Jan 2017, 1 (72): S70 DOI: http://dx.doi.org/10.1016%2FS0959-8049(17)30307-6 IF - 6.68	P Sangole, A Majumdar
10.	Allogeneic transplantation associated Cytokine Storm leads to early death in chemo-conditioning based murine model of graft versus host disease (GVHD)	European Journal of Immunology 2017, 46 :732-733 IF - 5.179	M Mehta, A Majumdar, R Kumar, V Gota

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Year: 2018

Sr. No.	Title of the paper	Journal details	Authors
11.	α -asarone reduce proteinuria by restoring antioxidant enzymes activities and regulating necrosis factor κ B signaling pathway in doxorubicin-induced nephrotic syndrome	Biomedicine & Pharmacotherapy 2018 Feb 28, 98: 318-324 DOI: https://doi.org/10.1016/j.biopha.2017.12.051 . IF - 3.743	Sutariya B, Saraf M.
12.	Rats exposed to 2.45 GHz of non-ionizing radiation exhibit behavioral changes with increased brain expression of apoptotic caspase 3	Pathophysiology 2018, 25: 19-30 DOI: https://doi.org/10.1016/j.pathophys.2017.11.001	Rini Varghese, Anuradha Majumdar, Girish Kumar, Amit Shukla
13.	Optimization and evaluation of mucoadhesive buccal films loaded with resveratrol	Journal of Drug Delivery Science and Technology 44 2018: 278–288. DOI: https://doi.org/10.1016/j.jddst.2017.12.007 R IF - 2.606	Mudassir Ansari, Bhakti Sadarani, Anuradha Majumdar
14.	Therapeutic Promise of Dabigatran Etexilate, an Oral Direct Thrombin Inhibitor in a Preclinical Model of Colon Carcinogenesis	Journal of Clinical and Experimental Pharmacology 2018, 8: 247 DOI:10.4172/2161-1459.1000247 IF – 2.372	Sangole PN, Majumdar AS

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Sr. No.	Title of the paper	Journal details	Authors
15.	Colon Targeted beads loaded with pterostilbene: Formulation, optimization, characterization and In vivo evaluation	Saudi Pharmaceutical Journal January 2019, 27(1): 71-81 DOI:10.1016/j.jsps.2018.07.021 IF – 3.643	Mudassir Ansari, Bhakti Sadarani and Anuradha Majumdar
16.	Microneedles for transdermal drug delivery: a systematic review	Drug Development and Industrial Pharmacy 2019 Feb, 45(2): 188-201 DOI:10.1080/03639045.2018.1539497 IF – 2.367	Saili Dharadhar, Anuradha Majumdar, Sagar Dhoble & Vandana Patravale
17.	Enhanced skin permeation of Methotrexate from penetration enhancer containing vesicles: In vitro optimization and in vivo evaluation.	Biomedicine & Pharmacotherapy 2019, 114: 108770 DOI:https://doi.org/10.1016/j.biopha.2019.108770 IF - 3.743	Sadarani B, Majumdar A, Paradkar S, Mathur A, Sachdev S, Mohanty B, Chaudhari P.
18.	Pyrrroloquinolinequinone attenuates obesity associated low grade inflammation	Obesity Medicine 2019, 16: 100134 DOI:https://doi.org/10.1016/j.obmed.2019.100134 IF – 0.312	K Devasani, A Majumdar
19.	IDH Mutations, MGMT Methylation and 1p/19q Status Provides Better Diagnosis and Survival Prediction in an Indian Cohort of Diffuse Gliomas	Journal of Molecular Diagnostics 2020, 21(6): 1188-1188	A Majumdar, R Katara, M Bhardwaj, A Verma, DK Sharma, S Kumar
20.	Pyrrroloquinoline quinone counters the pcsk 9 induction associated limitations of atorvastatin: a pre-clinical study	European Journal of Clinical Pharmacology 2019, 75: S91-S92 IF – 2.966	A Majumdar, K Devasani
21.	Targeting mitochondrial biogenesis to attenuate chronic low-grade inflammation in obesity.	European Journal of Clinical Pharmacology 2020, 75: S91-S91 IF – 2.966	K Devasani, A Majumdar



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Year 2020

Sr. No.	Title of the paper	Journal details	Authors
22.	Supplementation of pyrroloquinoline quinone with atorvastatin augments mitochondrial biogenesis and attenuates low grade inflammation in obese rats	European Journal of Pharmacology 2020, 881: 173273 DOI: https://doi.org/10.1016/j.ejphar.2020.173273 IF – 3.17	K Devasani, R Kaul, A Majumdar
23.	Prevention of acute graft-versus-host-disease by Withaferin a via suppression of AKT/mTOR pathway	International Immunopharmacology 2020, 84: 106575 DOI: https://doi.org/10.1016/j.intimp.2020.106575 IF – 3.38	Miten Mehta, Dievya Gohil, Navin Khattry, Rajiv Kumar, Santosh Sandur, Deepak Sharma, Rahul Checker, Beamon Agarwal, Dhruv Jha, Anuradha Majumdar, Vikram Gota
24.	Melatonin ameliorates neuropathy in diabetic rats by abating mitochondrial dysfunction and metabolic derangement.	Endocrine and Metabolic Science, 2020,1(3-4): 100067. DOI: https://doi.org/10.1016/j.endmts.2020.100067	Ajit Magar, Karan Devasani, Anuradha Majumdar

Year 2021

Sr. No.	Title of the paper	Journal details	Authors
25.	Current therapies in Nephrotic syndrome: HDAC inhibitors, an emerging therapy for kidney diseases	Current Research in Biotechnology, 2021, 3,182-194 DOI: https://doi.org/10.1016/j.crbiot.2021.05.007	Rini Varghese, Anuradha Majumdar
26.	Understanding Skin Chronobiology to Unveil and Transform Dermal Chronotherapeutics: Paving the Way for the Future	Chronobiology in Medicine, 2021, 3(1),8-15. DOI: https://doi.org/10.33069/cim.2020.0032 IF: 2.562	Jagruti Thoke, Shivangi Patel, Anuradha Majumdar



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Department of Pharmacognosy & Phytochemistry**

Year: 2017

Sr. No.	Title of the paper	Journal details	Authors
1.	Assessment of chemical stability of constituents in thiosulfinate-derivative rich extract of garlic by a validated HPTLC method	Indian J Pharm Sci. 2017; 79(3): 438-450 doi:10.4172/pharmaceutical-sciences.1000247. IF – 0.73	Swapna Nair, Alka Mukne
2.	Allium sativum constituents exhibit anti-tubercular activity in vitro and in RAW 264.7 mouse macrophage cells infected with Mycobacterium tuberculosis H37Rv	Pharmacognosy Magazine 2017, 13(50): 209-215 PMID: 28808382 IF – 1.26	Nair SS, Gaikwad SS, Kulkarni SP, Mukne AP
3.	Acute toxicity studies of nano-formulations of Glycyrrhiza glabra extract in swiss albino mice	World J Pharm Pharm Sci 2017, 6(6): 820 – 829 DOI:10.20959/wjpps20176-9175 IF – 7.632	V. Viswanathan, R. R. Pharande, A. S. Bannalikal, A. P. Mukne

Year: 2018

Sr. No.	Title of the paper	Journal details	Authors
4.	Mannosylated gelatin nanoparticles of Licorice for use in Tuberculosis: Formulation, in vitro evaluation, in vitro cell uptake, in vivo pharmacokinetics and in vivo anti-tubercular efficacy	Journal of Drug Delivery Science and Technology June 2018, 45: 255-263. DOI: https://doi.org/10.1016/j.jddst.2018.01.017 IF - 2.606	Viswanathan V., Mehta H., Pharande R., Bannalikal A., Gupta P., Gupta U., Mukne A.

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**List of Publications (2017-2021 till date)
as on 07.07.2021**

Year: 2019

Sr. No.	Title of the paper	Journal details	Authors
5.	Inhalable liposomes of Glycyrrhiza glabra extract for use in tuberculosis: formulation, in vitro characterization, in vivo lung deposition, and in vivo pharmacodynamic studies	Drug Dev Ind Pharm. 2019 Jan, 45(1): 11-20 DOI:10.1080/03639045.2018 IF – 1.883	Viswanathan V., Pharande R., Bannaliker A., Gupta P., Gupta U., Mukne A

Year: 2021

Sr. No.	Title of the paper	Journal details	Authors
6.	Antidiarrheal activity of aqueous extract of leaves of Euphorbia hirta L.	Journal of Pharmacy and Pharmacognosy Research, 2021, 9(5), 716-729.	Rushabh S.Shah. Jeet Ravat, Misbah Momin, Mukne A



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**List of Publications (2017-2021 till date)
as on 07.07.2021**

Department of Pharmaceutical Analysis

Year: 2017

Sr. No.	Title of the paper	Journal details	Authors
1.	Treatment of Gastric Ulcers with Fenugreek Seed Extract; In Vitro, In Vivo and In Silico Approaches	Indian Journal of Pharmaceutical Sciences 2017, 79 (5): 724-730. DOI: 10.4172/pharmaceutical-sciences.1000285. IF – 0.83	Figer, B.; Pissurlenkar, R.; Ambre, P.; Kalekar, S.; Munshi, R.; Gatne, M.; Shirsat, V.

Year: 2019

Sr. No.	Title of the paper	Journal details	Authors
2.	Ethyl acetate extract of Citrullus colocynthis (Linn.) Schrad. fruit suppresses angiogenesis	Journal of Pharmacy & Pharmacognosy Research 2019, 7(5): 331-342	Mayuri Gaikwad, Vaishali Shirsat, Mrunal Bulbule, Samidha Kalekar, Renuka Munshi
3.	TLC Bioautography and LC-MS Analysis for Identification of Compounds having Inhibitory Activity Against <i>Staphylococcus Aureus</i> In Abies Webbiana Leaves Extract	International Journal of Pharmaceutical Sciences and Research 2019, 10: 4686-93 IF – 0.33	Alisha Ambre, Mrunal Bulbule, Vaishali Shirsat, Dilipkumar Reddy Kandula, Akanksha Singh, Manoj Pillai

Year: 2020

Sr. No.	Title of the paper	Journal details	Authors
4.	A Validated RP-HPLC Stability Method for the Estimation of Chlorthalidone and Its Process-Related Impurities in an API and Tablet Formulation	International Journal of Analytical Chemistry 2020, Article ID 3593805 DOI: https://doi.org/10.1155/2020/3593805 IF – 1.25	Chaitali Kharat, Vaishali A. Shirsat, Yogita M. Kodgule, Mandar Kodgule

List of Publications (2017-2021 till date)
as on 07.07.2021

5.	A Simple and Cost-Effective Synthesis of Sulfated β -Cyclodextrin and Its Application as Chiral Mobile Phase Additive in the Separation of Cloperastine Enantiomers	ChemRxiv, 2020	Krishna Deshpande, Pranav Pathak, Vishvas Joshi, Krishnapriya Mohanraj
6.	Enantioselective Chromatographic Analysis of Formoterol Fumarate using Chiral Mobile Phase Additives and Achiral Core-Shell Column	ChemRxiv, 2020	Pranav Pathak, Krishnapriya Mohanraj
7.	Investigation of Pre-Clinical Pharmacokinetic parameters of atovaquone nanosuspensions prepared using pH based precipitation method and its pharmacodynamic properties in a novel artemisinin combination	Journal of Global Antimicrobial Resistance 2020, 22: 248-256 DOI: 10.1016/j.jgar.2020.02.018 IF – 2.706	Harsha Kathpalia, Siddhesh Juvekar, Krishnapriya Mohanraj, Mrunal Aspingekar, Supriya Shidhaye

Year: 2021

Sr. No.	Title of the paper	Journal details	Authors
8.	A RP-HPLC Method for the Analysis of Neostigmine Methylsulfate and Process-Related Impurities, Forced Degradation Studies, in the Injection Formulation	International Journal of Analytical Chemistry, 2021, Article ID 5570173,1-14 https://doi.org/10.1155/2021/5570173	Manali Parab, Vaishali Shirsat, Yogita Kodgule, Mandar Kodgule

