

## Department of chemistry

### Part 1 Number of research Publications in SCI Journals with you acting as corresponding Author with MET Affiliation

Sr. No.	Name of All Authors	Year of Publication	Title	Name of Journal	Vol.	Issue	Page number	Impact Factor
1	Rani S Kankate, Parag S Gide, Deepak P Belsare	2019	Design, synthesis and antifungal evaluation of novel benzimidazole tertiary amine type of fluconazole analogues	Arabian Journal of Chemistry	12	8	2224 - 2235	6
2	Rakesh Uttamrao Shelke, Dinesh Dattatray Rishipathak	2023	Bioanalytical method development for quantification of trifluridine with its metabolites and tipiracil in spiked human plasma by solid-phase extraction (SPE) and HPLC with PDA	Materials Today: Proceedings	Published Online	Published Online	Published Online	0.45
3	Rakesh Shelke, Dinesh Rishipathak	2023	Development and validation of a new bioanalytical method for quantification of CDK4/6 inhibitor in Spiked Human Plasma by HPLC-UV	Current Issues in Pharmacy and Medical Sciences	36	2	81-86	0
4	Deore Abhijit S, Khairnar Mahendra.V, Shelke Rakesh U.	2022	One-pot, Two-step, Three-Component Synthesis of 2,4-Diamino-3-cyano-5- benzoyl-thiophenes Using Cyanoacetamides and Evaluation of their Biological Activity	Indian Journal of Heterocyclic Chemistry	32	1	97-102	0.365
5	RANI S. KANKATE, VIKAS C. NATHE, SANJAY J. KSHIRSAGER, SUNITA N. SURSE, SNEHA A. BHALERAO, SHANTANU S. GHODKE, JATIN A. SADHWANI	2023	Bioisosterism based Design, Synthesis and Antifungal Evaluation of Novel Fluconazole Analogues	Asian Journal of Chemistry	35	10		1.69

6	Rani S Kankate, Sampada L Deshmukh, Ziyaul Haque, Eknath D Ahire, Sanjay J Kshirsagar	2023	Producing Highly Predictive Qsar Models Of Benzimidazole Derivatives As Potent Antifungal Agents	Journal of Pharmaceutical Negative Results	14		2285-2293	0.564.
7	Rani S Kankate, Vrushali Pawar, Pooja Abhang, Kamini Bhalerao, Yogesh Wankhede, Eknath D Ahire, Sanjay J Kshirsagar	2023	Microwave-Assisted Synthesis And Antifungal Evaluation Of 1, 2, 4- Triazole Derivatives	Journal of Pharmaceutical Negative Results	14	2	2294-2301	0.564.
8	Sonawane SS, More S.S.Chhajed SS, Kshirsagar SJ	2019	SIMULTANEOUS ESTIMATION OF DAPAGLIFOZIN AND SAXAGLIPTIN IN TABLETS USING TWO CHEMOMETRIC- ASSISTED UV- SPECTROPHOTOMETRIC METHODS.	Indian Drugs	56	3	32-38	-
9	Sandeep S Sonawane, Santosh S Chhajed, Sana S Attar, Sanjay J Kshirsagar	2019	An approach to select linear regression model in bioanalytical method validation	Journal of Analytical Science and Technology	10	1	7-Jan	3.568
10	Sandeep S Sonawane, Santosh S Chhajed, Dipika R Jadhav, Nilima A Thombre, Sanjay J Kshirsagar	2020	Development and validation of stability-indicating HPLC method for the quantification of Levetiracetam in bulk and oral solution: application to chemical kinetics	Pharmaceutical Chemistry Journal	54	8	870-876	0.9

11	Sandeep S Sonawane, Akshay S Patil, Santosh S Chhajed, Dimple S Lalchandani, Sanjay J Kshirsagar	2021	DEVELOPMENT OF A VALIDATED STABILITY- INDICATING METHOD FOR ESTIMATION OF ETHIONAMIDE IN TABLETS BY RP-HPLC AND CHARACTERIZATION OF ITS ISOLATED ALKALI DEGRADATION PRODUCT.	Indian Drugs	58	1	20-27	
12	Sandeep S Sonawane, Priyanka T Shinde, Gayatri S Joshi, Sanjay J Kshirsagar	2021	Development and Validation of High-performance Liquid Chromatography Method for Estimation of Seratrodast in Spiked Human Plasma	Thai Journal of Pharmaceutical Sciences	45	5	374 - 378	0.153
13	Sandeep S Sonawane, Pooja C Bankar, Sanjay J Kshirsagar	2021	Stability-indicating LC method for quantification of azelnidipine: synthesis and characterization of oxidative degradation product	Turkish journal of pharmaceutical sciences	18	5	550-556	1.7

14	Santosh Subhash Chhajed <sup>1</sup> , Pramodkumar P Gupta, Sanjay Kshirsagar, Sakshi Tomar, Debarshi Kar Mahapatra, Raji Sundararajan	2020	N-(2-(1H-benzo[d]imidazol-2-yl)Phenyl)-2- (Substituted-styryl)Aniline as Anti-proliferative Agents: Rejuvenating the Importance of Low Molecular Weight Ligands in Oncotherapeutics	Indian Journal of Pharmaceutical Education and Research	54	2	432-439	0.8
15	Santosh Subhash Chhajed, Yatish Rajendra Rajderkar, Anjali Baburao Tajanpure, Jaiprakash Navnath Sangshetti, Debarshi Kar Mahapatra, Sanjay Jayprakash Kshirsagar	2020	Solvent Drop Grinding Approach Assisted Development of Glimepiride Co-crystals: Solubility Enhancement Journey of BCS Class-II Product	Indian Journal of Pharmaceutical Education and Research	54	3	602-609	0.8
16	Santosh S. Chhajed <sup>1,*</sup> , Umesh D. Laddha <sup>1,*</sup> , Sandeep S. Sonawane <sup>1</sup> , Mrunal Pekhale <sup>1</sup> , Prajakta Thorat <sup>1</sup> , Sanjay J. Kshirsagar <sup>1</sup> , Jaiprakash N. Sangshetti	2024	Formulation, Development and Characterization of PLGA-Luliconazole Nanoparticles Loaded Gel System for Topical Fungal Treatment	Indian Journal of Pharmaceutical Education and Research	58	1s	s187-s195	0.8
17	Santosh S. Chhajed <sup>1</sup> & Pooja E. Shinde <sup>1</sup> & Sanjay J. Kshirsagar <sup>1</sup> & Jayprakash N. Sangshetti <sup>2</sup> & PramodKumar P. Gupta <sup>3</sup> & Mala M. Parab <sup>3</sup> & Debjani Dasgupta <sup>3</sup>	2020	De-novo design and synthesis of conformationally restricted thiazolidine-2,4-dione analogues: highly selective PPAR- $\gamma$ agonist in search of anti-diabetic agent	Structural chemistry	31	8	1375-1385	1.78
							Cumulative IF	19.006

**Part 2 Number of research Publications in SCI Journals with corresponding Author outside to MET but you act as the co-author**

Sr. No.	Name of All Authors	Year of Publication	Title	Name of Journal	Vol.	Issue	Page number	Impact Factor
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1	Alok Ranjan, Abhijit S Deore, Swapnil G Yerande, Dattatraya H Dethe	2018	Thiol–Yne Coupling of Propargylamine under Solvent-Free Conditions by Bond Anion Relay Chemistry: An Efficient Synthesis of Thiazolidin-2- ylideneamine	European Journal of Organic Chemistry	2017	28	4130-4139	0.68
2	Jaiprakash Sangshetti, Shahebaaz K Pathan, Rajesh Patil, Siddique Akber Ansari, <b>Santosh Chhajed</b>	2019	Synthesis and biological activity of structurally diverse phthalazine derivatives: A systematic review	Bioorganic & Medicinal Chemistry	27	18	3979-3997	3.5
3	Mala Parab, Saliha Pathan, Pramodkumar Gupta, <b>Santosh Chhajed</b> and Debjani Dasgupta	2022	Functional analysis of repositioned anilide derivatives as anticancer compounds	Journal of the Indian Chemical Society	99	1	100276	1.3
4	Shahebaaz K. Pathan, Satish Deshmukh, <b>Santosh Chhajed</b> , Jaiprakash Sangshetti	2020	Green Synthesis Of Methyl-6-Amino-5- Cyano-4-Aryl-2,4- Dihydropyrano[2,3- C]Pyrazole-3- Carboxylates using Dimethyl Acetylene dicarboxylate	Chemical Data Collection	28	1	100403	0

Cumulative IF 5.48

**Part 3 Number of research Publications in SCIE Journals with all author from MET**

Sr. No.	Name of All Authors	Year of Publication	Title	Name of Journal	Vol.	Issue	Page number	Impact Factor
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1.	Rakesh Uttamrao Shelke, Dinesh Dattatray Rishipathak	2023	<a href="#">Bioanalytical method development for quantification of trifluridine with its metabolites and tipiracil in spiked human plasma by solid-phase extraction (SPE) and HPLC with PDA</a>	Materials Today: Proceedings	Published Online	Published Online	Published Online	0.45
2.	Rakesh Shelke, Dinesh Rishipathak	2023	Development and validation of a new bioanalytical method for quantification of CDK4/6 inhibitor in Spiked Human Plasma by HPLC-UV	Current Issues in Pharmacy and Medical Sciences	36	2	81-86	0
3.	Sandeep Sonawane, Santosh Chhajed, Meghana Amale, Moreshwar Patil, Pallavi Bhagade, Alpana Bastikar, Sanjay Kshirsagar	2019	Development and Validation of Stability-Indicating HPLC Method for Estimation of Sertaconazole Nitrate in Bulk and Topical Formulation: Application to Chemical Kinetics	Analytical Chemistry Letters	9	1	86-95	0
4.	Sandeep S Sonawane, Abhijit S Deore, Kirti B Jadhav, Prachi A Khapare, Umesh D Laddha, Moreshwar P Patil, Santosh S Chhajed	2022	Bridging Pharmaceutical Analysis with Computational Chemistry to Ascertain the Pharmacokinetic and Toxicological Profiling of Febuxostat and its Diacid Impurity	Analytical Chemistry Letters	12	2	221-232	0

5.	S. S. Chhajed, S. S. Sonawnae, Pranjali K More, Harshala Chaudhari &S. J. Kshirsagar	2023	<a href="#">HPLC Method Development, Validation and Application to Determining In-Vitro Effect of Levofloxacin on the Availability of Gliclazide</a>	Pharmaceutoical Chemistry Journal	57		445-450	0.9
6.	Rani S Kankate, Parag S Gide, Deepak P Belsare	2019	Design, synthesis and antifungal evaluation of novel benzimidazole tertiary amine type of fluconazole analogues	Arabian Journal of Chemistry	12	8	2224 - 2235	6
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			DEGRADATION PRODUCT.					
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17	Santosh Subhash Chhajed1, Pramodkumar P Gupta, Sanjay Kshirsagar, Sakshi Tomar, Debarshi Kar Mahapatra, Raji Sundararajan	2020	N-(2-(1H-benzo[d]imidazol-2- yl)Phenyl)-2- (Substituted- styryl)Aniline as Anti- proliferative Agents: Rejuvenating the Importance of Low Molecular Weight Ligands in Oncotherapeutics	Indian Journal of Pharmaceutical Education and Research	54	2	432-439	0.8
18	Santosh Subhash Chhajed, Yatish Rajendra Rajderkar, Anjali Baburao Tajanpure, Jaiprakash Navnath Sangshetti, Debarshi Kar Mahapatra, Sanjay Jayprakash Kshirsagar	2020	Solvent Drop Grinding Approach Assisted Development of Glimepiride Co-crystals: Solubility Enhancement Journey of BCS Class-II Product	Indian Journal of Pharmaceutical Education and Research	54	3	602-609	0.8
19	Santosh S. Chhajed1,* Umesh D. Laddha1,* Sandeep S. Sonawane1, Mrunal Pekhale1 Prajakta Thorat1, Sanjay J. Kshirsagar1,	2024	Formulation, Development and Characterization of PLGA-Luliconazole Nanoparticles Loaded Gel System for Topical Fungal Treatment	Indian Journal of Pharmaceutical Education and Research	58	1s	s187-s195	0.8

	Jaiprakash N. Sangshetti							
20	Santosh S. Chhajed <sup>1</sup> & Pooja E. Shinde <sup>1</sup> & Sanjay J. Kshirsagar <sup>1</sup> & Jayprakash N. Sangshetti <sup>2</sup> & PramodKumar P. Gupta <sup>3</sup> & Mala M. Parab <sup>3</sup> & Debjani Dasgupta <sup>3</sup>	2020	De-novo design and synthesis of conformationally restricted thiazolidine-2,4-dione analogues: highly selective PPAR- $\gamma$ agonist in search of anti-diabetic agent	Structural chemistry	31	8	1375-1385	1.78
							Cumulative IF	19.906

**Part 4 Number of reserch Publications in SCI Journals for the affiliation with MET (Only for newly joined faculty members with experiance in MET less than 5 years)**

Sr. No.	Name of All Authors	Year of Publication	Title	Name of Journal	Vol.	Issue	Page number	Impact Factor
1.	Rakesh Uttamrao Shelke, Dinesh Dattatray Rishipathak	2023	Bioanalytical method development for quantification of trifluridine with its metabolites and tipiracil in spiked human plasma by solid-phase extraction (SPE) and HPLC with PDA	Materials Today: Proceedings	Published Online	Published Online	Published Online	0.45
2.	Rakesh Shelke, Dinesh Rishipathak	2023	Development and validation of a new bioanalytical method for quantification of CDK4/6 inhibitor in Spiked Human Plasma by HPLC-UV	Current Issues in Pharmacy and Medical Sciences	36	2	81-86	0

3.	AS Deore, M Khairnar, RU Shelke	2022	One-pot, Two-step, Three-Component Synthesis of 2, 4- Diamino-3-cyano-5- benzoyl-thiophenes Using Cyanoacetamides and Evaluation of their Biological Activity	INDIAN JOURNAL OF HETEROCYCLIC CHEMISTRY	32	1	97-102	0.334
4.	Moreshwar P. Patil & Santosh S. Chhajed Sandeep S. Sonawane, Abhijit S. Deore, Kirti B. Jadhav, Prachi A. Khapare, Umesh D. Laddha	2022	Bridging Pharmaceutical Analysis with Computational Chemistry to Ascertain the Pharmacokinetic and Toxicological Profiling of Febuxostat and its Diacid Impurity	Analytical Chemistry Letters	12	2	221-232	0
							Cumulative IF	0.784