- Name: **Dr. S. U. Deshmukh**
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- No. Ph.D. Students Registers :[06]
- Awards / honors: [1]
- Number of publications: [32]
- Number of Chapters books: [4]
- Number of Minor research projects completed :[2]
- Total number of Google scholar citations: [234]
- h- index: [7]
- i10 index: [6]

Details of Research publications

Sr. No	Title of Article	Authors	Name of journal	Year & Page no	Impact factor
1	Ionic Liquid Promoted Regio-Selective Synthesis of 2-Methyl amino-3- Nitro-pyrano [3,2-c] chromen-5-ones	Ashishkumar P Katariya, Pravinkumar B Gaikwad, Gajanan G Kadam, Maya V Katariya, **Satish U Deshmukh**	Chemistry Select	**2022**, 7,23, e202201295	2.3
2	Ionic Liquid [(EMIM)Ac] Catalyzed Green and Efficient Synthesis of Pyrano [2,3-c]Pyrazole Derivatives	Ashishkumar P Katariya, Maya V Katariya, Jaiprakash Sangshetti, **Satish U Deshmukh**	Polycyclic Aromatic Compounds Taylor & Francis	2022, 1-15,	3.7
3	An Efficient and Green Synthesis of Tetrahydrobenzo[b]Pyran Derivatives Using [(EMIM)Ac] at Room Temperature	Ashishkumar P Katariya, Ashok R Yadav, Omprakash B Pawar, Parshuram M Pisal, Jaiprakash N Sangshetti, Maya V Katariya, **Satish U Deshmukh**	Chemistry Select	**2022,** 7, 15, e202104184	2.3
4	Nanocatalyzed Synthesis of Bioactive Pyrrole, Indole, Furan, and Benzofuran Derived Heterocycles	**S. U. Deshmukh,** Ajit K. Dhas, Vidya D. Dofe, Satish A. Dake, Jaiprakash N. Sangshetti, Keshav Lalit Ameta, R. P. Pawar	Nano Catalysis [Book Chapter]	1st Edition **2022,** CRC Press, 20, 9781003141488	-----
5	An Overview of the Synthesis of Pyrroline, Indolizine, and Quinolizinium Derivatives Using Different Nanocatalysts	R. N. Shelke, A. B. Kanagare, **S. U. Deshmukh,** S. R. Bembalkar, D. N. Pansare, Keshav Lalit Ameta, R. P. Pawar	Nano Catalysis [Book Chapter]	1st Edition **2022,** CRC Press, 22, 9781003141488	----
6	A Facile Synthesis of New Substituted Thiazol-2-amine Derivatives as Potent Antimicrobial Agent	Rahul Shinde , Dattatraya Pansare , Rohini Shelke , Pravin Chavan , Anant Kanagare , Ajit Dhas , **Satish Deshmukh** , Mukund Bangal , Chandrakant Pawar Saroj Bembalkar , Ashok Zine	Lett Appl NanoBioScience	Vol, 12, Issue 2, 2023, 32	---

7	Benzopyranyl Phosphonate and β-Phosphono Malonates Derivatives: An Exciting Breakthrough in Chemistry https://doi.org/10.1002/slct.2020 04159	**Satish U. Deshmukh,** Jaiprakash N. Sangshetti, Sidhanath V. Bhosale, Rajendra P. Pawar	Chemistry Select,	**2021,** 6 ,4, 617-629	2.309
8	Aggregation induced emission (AIE) materials for mitochondria imaging https://doi.org/ 10.1016/bs.pmbts.2021.06.016	**Satish Deshmukh**, Madan R Biradar, Kiran Kharat Sidhanath V. Bhosale	Progress in Molecular Biology and Translational Science	**2021** , 184, 179-204	3.5
9	Amberlite IR-120 Catalyzed Green and Efficient One-Pot Synthesis of Benzylpyrazolyl Coumarin in Aqueous Medium	Ashishkumar P Katariya, **Satish U Deshmukh**, Sunil U Tekale, Maya V Katariya, Rajendra P Pawar	Lett Appl NanoBioScience	**2021**, 10,3, 2525 - 2534	----
10	Green Synthesis Of Methyl-6-Amino-5-Cyano-4-Aryl-2, 4-Dihydro pyrano[2,3-C]Pyrazole-3-Carboxylates using Diethyl Acetylene dicarboxylate	Shahebaaz K. Pathan, **Satish U. Deshmukh,** Santosh S. Chhajed, Aniruddha Chabukswar, Jaiprakash Sangshett	Chemical Data Collections	28, 9 **2020**, 100403	-------
11	Identification of promising biofilm inhibitory and cytotoxic quinazolin-4-one derivatives: synthesis, evaluation, molecular docking and ADMET studies.	S. A. Ansari, **S. U. Deshmukh,** R. B Patil, M. G. Damale, R.H.Patil, J. N. Sangshetti	Chemistry Select,	4,12 **2019**, 3559 3566	2.309
12	Synthesis of 2-((5-benzylidene-4-oxo- 4 ,5- dihydrothiazol- 2-yl)-substituted amino acids as	R. N. Shelke D. N. Pansare, C. D. Pawar, **S. U. Deshmukh,** N. S. Gore, R. P. Pawar,D. B. Shinde	Eur. Chem. Bull.	8,2, **2019,** 63-70	---

	anticancer and antimicrobial agents.				
12	Synthesis and anticancer evaluation of new Benzene sulfonamide derivatives	R. N. Shelke, D.N. Pansare, C. D. Pawar,M. C. Khade, V. N. Jadhav, **S. U. Deshmukh,** A. K. Dhas, P. N. Chavan, A. P. Sarkate, R. P. Pawar, D. B. Shinde S. R. Thopate	Eur. Chem. Bull.	8,1 **2019,** 1-6	----
14	Copper Silicate Catalyzed Efficient Synthesis of 2, 4,5-Trisubstituted imidazole Derivatives via Multicomponent Approach.	Ajit Dhas, Satish Deshmukh, Shivaji Munde, Amol Shirsat, Rajendra Pawar, Gopal Kakade	Curr. Pharm. Res.	413, 2019, 104 109	----
15	Tartaric Acid: An Efficient, Catalyst for the Synthesis of Trisubtituted Imidazole under Microwave Irradiation	Sachin R. Kolsepatil, **Satish U. Deshmukh,** Dinesh L. Lingampalle	Curr. Pharm. Res.	405, 2019, 46-52	----
16	A rapid and convenient synthesis of acridine derivatives using camphor sulfonic acid catalyst	D. S. Bhagat S. U. Tekale, A. K. Dhas, **S. U. Deshmuk**h, R. P. Pawar P. S. Kendrekar	Organic Preparations and Procedure International	2019, 96-101	1.52
17	Synthesis of novel α-aminophos phonate derivatives, biological evaluation as potent Antiproliferative agents and molecular docking	**Satish U. Deshmukh,** Kiran R. Kharat, Ashok R. Yadav, Suresh U. Shisodia, Manoj,G.damale	Chemistry Select,	3,20 2018. 5552-5558	2.3
18	Efficient synthesis of substituted 1 8- Dioxo-octahydroxanthene using copper silicate as reusable catalyst	**S. U. Deshmukh,** G. K. Kadam, S. U. Shisodia, M.V. Katarina, S. B Ubale, R. P. Pawar	International Journal of Chemical and Physical Sciences,	7, 2018 75-79	1.0

19	Synthesis of quinazolinones derivatives an antiproliferative agent against human lung carcinoma cells	**S.U. Deshmukh,** K.R. Kharat, G.G. Kadam, R.P. Pawar	Eur. J. Chem	2017. 317-320	----
20	Efficient, eco-friendlysulfamic acid catalyzed synthesis of bis(6- aminouracil-5-yl)methane at room temperature	B. D. Rupnar, **S. U. Deshmukh**, V. P. Pagore, S. U. Tekale R. P. Pawar	Rasayan j chem.	2017, 240-244	--
21	Yttrium oxide: a highly efficient catalyst for the synthesis of pyrano[2,3-d] Pyrimidine derivatives in aqueousmethanol media,	D. S. Bhagat, M. V. Katariya, C. S. Patil, **S. U. Deshmukh**, S. U. Shisodia, S. S. Pandule, and R. P. Pawar	Eur. Chem. Bull.	4,10 2015	-
22	Cesium carbonate catalyzed efficient synthesis of chromenes under microwave irradiation	B.D. Rupnar, V. P. Pagore, S.U. Tekale, **S. U. Deshmukh**, S. B. Ubale, R.P. Pawar	Eur. Chem. Bull.	4,11,2015, 490-492	---
23	CsF/[bmim][BF4]: An efficient and reusable system for Henry reaction	P.S. Shinde, S.S. Shinde, S.A. Dake, V.S. Sonekar, **S.U. Deshmukh,** V. V. Thorat	Arabian Journal of Chemistry	7,6 2014 1013 1016	4.5
24	Ionic liquid mediated synthesis ofnovel tetrahydroimidazo [1, 2-a] pyrimidine- 6-carboxylate derivatives	V V Thorat, S Dake, **S U Deshmukh,** E Rasokkiyam, F Uddin, R P Pawar	Letters in Organic Chemistry	10,3 2013 178-184	.07
25	Ionic liquid promoted synthesis, antibacterial and in vitro Antiproliferative activity of novel α-aminophosphonate derivatives	S.A. Dake, D.S. Raut, K.R. Kharat, R.S. Mhaske, **S.U. Deshmukh,** R.P. Pawar	Bioorganic medicinal chemistry letters	21,8 2011, 2527-2532	2.9
26	A facile and efficient synthesis of N-aryl	Sunita B Shinde, Sunil U Tekale, Sushma S Kauthale,	Internationa	2,2	------

	imides using trifluoroacetic acid	**Satish U Deshmukh**, Rajendra P Marathe, Rajesh B Nawale, Vinayak S Sonekar, Vinod V Thorat, R. P Pawar	l Journal of Industrial Chemistry	2011, 112-116	
27	An efficient noncatalytic protocolfor the synthesis of trisubstituted imidazole in polyethylene using microwaves	Santosh V Nalage, Mohan B Kalyankar, Vijay S Patil, Sidhanath V Bhosale, **Satish U Deshmukh,** Rajendra P Pawar	Open Catal. J	3, 2010, 58-61	---
28	Silica sulfuric acid An efficient catalyst for the synthesis of substituted indazoles	Sunita S. Shinde, **Satish U. Deshmuk**h, Rajendra P. Pawar, Rajendra P. Marathe, Rajesh B. Nawale and Digambar D. Gaikwad	Der Chemica Sinica	1,2 2010, 29-34	----

Research projects completed

Sr. No.	Title of project	Sponsored by Agency	Period	Amount	Status
1	"Synthesis of Biologically Active Heterocyclic Compounds" (Minor)	UGC sanction letter file No. 47-1977/11(WRO).	2012-14	160000/-	Completed
2	*"Synthesis and Anticancer activity of some novel heterocyclic compounds* (Minor)	B.A.M. U. Aurangabad	2019-20	35000/-	Completed

Research projects ongoing

Sr. No.	Title of project	Sponsored by	Agency	Period	Amount	Status
1	**Nil**	**Nil**	**Nil**	Nil	**Nil**	Nil

Chapters published in books

Sr. No.	Name of teacher / author	Title of book	Title of chapter	Publisher	Year of publication	ISBN
1	Shahebaaz K. Pathan Paresh Mahaparale **Satish Deshmukh** Hemant Une Rohidas Arote Jaiprakash Sangshetti	Applications of Nanotechnology for Green Synthesis	Boric Acid: A Versatile Catalyst in Organic Synthesis	Springer, Cham	2020	978-3-030-44175-3
2	Tekale, S.U., Kauthale, S.S. Ingle, R.D. Ubale, S.B. **Deshmukh, Satish U.** Ameta, K L Pawar, Rajendra	Natural Heterocycles: Extraction and Biological Evaluation	Natural Coumarin Motifs: Anticancer Agents	Nova Publishers, New York	2015	978-1-4-63463-462-5

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