

List of Publications of the faculty in last 5 years (2015 to 2019)

Sr. No	Author/s	Title of the Paper	Name of Journal/ Proceeding	Year	Volume	I. F.	Page Nos
1	Raju Patil, Sagar Sankpal and Pratap Naikwade	Bioaccumulation of heavy metals in fish species of Ratnagiri Coast, Maharashtra	<i>Indian Journal of Applied Research</i>	2014	4(7), ISBN-2249-555X,	Impact Factor-3.919.	393-394
2	Raju Patil, Sagar Sankpal and Pratap Naikwade	Distribution of heavy metals in water and sediment of Ratnagiri coast, Maharashtra,	<i>Indian Stream Research Journal,</i>	2014	4(6), ISBN-2230-7850,	Impact factor-4.16.	1-6
3	Sagar Sankpal, Raju Patil and Pratap Naikwade	Studies on seasonal trend in sea water quality of Ratnagiri coast, Maharashtra, India,	<i>International Journal-Bioscience discovery</i>	2015	6(1-I) Special, ISSN: 2231-024X (Online),	Impact Factor-3.42	85-92
4	Raju Patil, Sagar Sankpal	Seasonal variation in nutrient load of Water along the Ratnagiri coast, Maharashtra, India,	<i>Indian Journal of Applied Research</i>	2015	5(8), ISBN-2249-555X,	Impact Factor-3.919.	718-719
5	Shivkumar Jalade, Raju Patil Hemant Chavan and Sagar Sankpal	Silicotungstic acid: an efficient and ecofriendly catalyst for synthesis of 12-aryl/alkyl-8,9,10,12 tetrahydrobenzo[a]xanthen- 11-one derivative	<i>Indian Stream Research Journal</i>	2015	5(8), ISBN-2230-7850,	Impact factor-3.45	515-517
6	Pratap Naikwae and Sagar Sankpal	Importance of basics in composting	<i>International Journal of recent biotechnology</i>	2015	ISBN-2322-0392,	Impact factor-3.008	44-46

7	Hemant Chavan and Sagar Sankpal	α -Aroylketene dithioacetal mediated synthesis of (E)-3-(benzo [d] thiazol-2-ylamino)-2-(1-methyl-1H-indole-3-carbonyl)-3-(methylthio) acrylonitrile derivatives and their biological evaluation	Anti-cancer agents in medicinal chemistry	2017	18(5)ISSN: 1875-5992 (Online) ISSN: 1871-5206 (Print)	Impact factor 2.556	757 - 764
8	Hemant V Chavan, Raju M Patil, Shriram D Ganapure, Shivkumar S Jalde, Sagar T Sankpal	Identification and Synthesis of New Process Related Impurity in Brimonidine Tartarate	Der Pharma Chemica	2018	10(1)ISSN 0975-413X	Impact factor 2.556	83-86
9	Sakharam B. Dongare, Babasaheb. P. Bandgar, Pravin S. Bhale, Sadanand N. Shringare, Hemant V. Chavan	Design, synthesis, and spectroscopic study of 7-azaindolyl hydrazones with anti-breast cancer activity	<i>Croat. Chem. Acta</i> 2018	2018	Just accepted		
10	Hemant Chavan Pravin S. Bhale, Sakharam B. Dongare, Yoginath B. Mule, Nishikant D. Kolekar, Babasaheb P. Bandgar	Synthesis and Pharmacological Evaluation of Pyrazoline and Pyrimidine Analogs of Combretastatin-A4 as Anticancer, Anti-inflammatory and Antioxidant Agents	<i>Croat. Chem. Acta</i> 2018,	2018	91(3), (Croatian Chemical Society; ISSN 1334-417X)	0.8	1 to 10
11	Sadanand N. Shringare, Hemant V. Chavan ,* Pravin S. Bhale, Sakharam B. Dongare, Yoginath B. Mule, Sandeep B. Patil, Babasaheb P. Bandgar	Synthesis and pharmacological evaluation of combretastatin-A4 analogs of pyrazoline and pyridine derivatives as anticancer, anti-inflammatory and antioxidant agents	<i>Medicinal Chemistry Research</i>	2018	2018, 27,	(Springer, IF: 1.439)	1226-1227
12	Hemant V. Chavan *, Raju M. Patil, Shriram D. Ganapure, Shivkumar S. Jalde, Sagar T. Sankpal	Identification and Synthesis of New Process Related Impurity in Brimonidine Tartarate	Der Pharma Chemica	2018	10(1)ISSN 0975-413X	Impact factor 2.556	83-86

13	Pravin S. Bhale, Hemant V. Chavan ,* Sakharam B. Dongare, Sagar T. Sankpal, Babasaheb P. Bandgar	α -Aroylketene dithioacetal mediated synthesis of (E)-3-(benzo[d]thiazol-2-ylamino)-2-(1-methyl-1H-indole-3-carbonyl)-3-(methylthio)acrylonitrile derivatives and their biological evaluation	<i>Anti-Cancer Agents in Medicinal Chem.</i>	2017	2017, 17 (Ahead of print) (Bentham Science;	IF: 2.722	
14	Pravin S. Bhale, Hemant V. Chavan ,* Sakharam B. Dongare, Sadanand N. Shringare, Yoginath B. Mule, Praffula B. Choudhari, Babasaheb P. Bandgar	Synthesis, characterization and evaluation of 1,3-bisindolyl-2-propen-1-one derivatives as potent anti-breast cancer agents	<i>Current Bioactive Compounds</i>	2017	2017, 13 (Ahead of print) (Bentham Science)		
15	Sadanand N Shringare, Hemant V Chavan , Pravin S Bhale, Sakaram B Dongare, Yoginath B Mule, Mahesh P Lendve, Iranna Todkari, Babasaheb P. Bandgar*	Synthesis and Biological Evaluation of Substituted Pyrazoline Derivatives Bearing 3,4,5-Trimethoxyphenyl Moiety as Anticancer, Anti-inflammatory and Antioxidant Agents	<i>Der Pharma Chemica</i> ,	2017	2017, 9(8), (Scholar Res. Lib., USA)		32-37
16	Pravin S. Bhale, Hemant V. Chavan ,* Sakharam B. Dongare, Sadanand N. Shringare, Yoginath B. Mule, Samadhan S. Nagane, Babasaheb P. Bandgar*	Synthesis of extended conjugated indolyl chalcones as potent anti-breast cancer, anti-inflammatory and antioxidant agents	<i>Bioorganic and Medicinal Chemistry Letters</i> ,	2017	2017, 27(07)	(Elsevier; IF: 2.454)	1502-1507
17	Salman Mukarram, Babasaheb P. Bandgar, Rafik U. Shaikh, Shriram D. Ganapure, Hemant V. Chavan *	Synthesis of novel α,α -difluoro- β -hydroxycarbonyl pyrazole derivatives as antioxidant, anti-inflammatory and anticancer agents.	Medicinal Chemistry Research .	2017	2017, 26(1),	(Springer; IF: 1.439)	262-273
18	Valmik D. Dhakane, Vishnu N. Thakare, Sakharam B. Dongare, Pravin S. Bhale, Yoginath B. Mule, Babasaheb P. Bandgar, Hemant V. Chavan *	Preparation and Pharmacological Evaluation of Novel Orally Active Ester Prodrugs of Ketoprofen with Non-Ulcerogenic Property.	Chemical Biology & Drug Design	2016	2016, 87(6),	(Wiley Inter Science; IF: 2.396)	878-884

19	Dattatray N. Survase, Hemant V. Chavan, Sakharam B. Dongare, Vasant B. Helavi	Polyethylene glycol in water: simple, efficient and catalyst-free synthesis of 4H-pyran derivatives.	<i>Synthetic Communications,</i>	2016	2016, 46,	Taylor & Francis; IF: 1.134)	1665-1670.
20	Sakharam B. Dongare, Hemant V. Chavan ,* Datta N. Survase, P.S. Bhale, Y.B. Mule, B. P. Bandgar	Indium Trichloride (InCl ₃) Catalyzed Synthesis of Fused 7-Azaindole Derivatives using Domino Knoevenagel-Michael Reaction.	<i>Journal of the Chinese Chemical Society</i>	2016	2016, 63,	(Wiley Inter Science, IF: 0.862).	323-330
21	. Dattatray N. Survase, Hemant V. Chavan ,* Sakharam B. Dongare, Shreeram D. Ganapure, Vasant B. Helavi	Indium chloride (InCl ₃) catalysed domino protocol for the regioselective synthesis of highly functionalized pyranopyrazoles under mild conditions	<i>Iranian Chemical Communication</i>	2016	2017, 5, (ISSN: 2345-4806)		105-114.
22	. Hemant V. Chavan ,* Dnyaneshwar M. Sirsat, Yoginath B. Mule	An environmentally benign synthesis of aryl-hydrazones with aqueous extract of Acacia pods as a natural surfactant type catalyst	<i>Iranian Chemical Communication</i>	2016	2016, 4,, (ISSN: 2345-4806)		373-388
23	. Sakharam B. Dongare, Hemant V. Chavan , Pravin S. Bhale, Yoginath B. Mule, Amol S. Kotmale, Babasaheb P. Bandgar	A catalyst- and solvent-free multicomponent synthesis of 7-azagramine analogues via a Mannich type reaction	<i>Chinese Chemical Letters</i>	2016	2016, 27(1), (ISSN: 1001-8417)	(IF: 1.932)	99-103
24	Shivkumar S. Jalde, Raju M. Patil, Sagar T. Sankpal, Hemant V. Chavan *;	Silicotungstic acid: an efficient and ecofriendly catalyst for synthesis of 12-aryl / alkyl-8,9,10,12-tetrahydrobenzo[a]xanthene-11-one derivatives.	<i>Indian J. App. Res.</i>	2015	2015, 5 (8),	(IF: 3.624)	715-717

25	. Hemant V. Chavan , L. K. Adsul, A. S. Kotmale, V. D. Dhakane, V. N. Thakare, B. P. Bandgar;	Design, synthesis, characterization and in vitro and in vivo anti-inflammatory evaluation of novel pyrazole-based chalcones	<i>Journal Enz. Inhib. & Med. Chem.</i> ,	2015	2015, 30	(Taylor & Francis, IF: 4.293).	22-31.
26	Hemant V. Chavan , Dattatraya K. Narale	Synthesis of 2,4,5-triaryl and 1,2,4,5-tetraaryl imidazoles using silica chloride as an efficient and recyclable catalyst under solvent-free condition	Comptes Rendus Chimie,	2014	2014, 17	(Elsevier; IF: 1.92)	980-984.
27	Valmik D. Dhakane, Hemant V. Chavan , Vishnu N. Thakare, Laxman K. Adsul, Sadanand N. Shringare, and Babasaheb P. Bandgar.	Novel ibuprofen prodrugs with improved pharmacokinetics and non-ulcerogenic potential	<i>Medicinal Chemistry Research</i>	2014	2014, 17,	(Springer; IF: 1.439)	431-436.
28	Babasaheb P. Bandgar, S.N. Kinkar, Hemant V. Chavan , S.S. Jalde, R.U. Shaikh, R.N. Gacche	Synthesis and biological evaluation of asymmetric indole curcumin analogs as potential anti-inflammatory and antioxidant agents.	<i>Journal Enz. Inhib. & Med. Chem.</i>	2014	2014, 29,	(Taylor & Francis; IF: 4.293)	7–11.
29	Vijay H. Masand, Devidas T. Mahajan, Taibi Ben Hadda, Rahul D. Jawarkar, Hemant Chavan , B. P. Bandgar, Harsh Chauhan	Molecular docking and quantitative structure–activity relationship (QSAR) analyses of indolylarylsulfones as HIV-1 non-nucleoside reverse transcriptase inhibitors.	<i>Medicinal Chemistry Research</i> (2014	2014, 23,	Springer; IF: 1.439)	417-425.
30	Valmik D. Dhakane, S. S. Gholap, Umesh P. Deshmukh, Hemant V. Chavan , B. P. Bandgar	An efficient and green method for the synthesis of [1,3]oxazine derivatives catalyzed by thiamine hydrochloride (VB1) in water.	<i>Comptes Rendus Chimie</i>	2014	2014, 17, 4	(Elsevier; IF: 1.92)	31-436.
31	Shivkumar. S. Jalde, Hemant V. Chavan , Laxman. K. Adsul, V. D. Dhakane, B. P. Bandgar	An efficient solvent-free synthesis of naphthopyranopyrimidines using heteropolyacid as an ecofriendly catalyst.	<i>Synth. & React. in Inorg, Metal-Org & Nano-Metal Chem</i>	2014	2014, 44, .	(T&F; IF: 0.5)	623-626

32	Salman Mukarram, Hemant Chavan , Imtiyaz Khan, Babasaheb Bandgar	Practical one pot synthesis of 2,3,-O-isopropylidene-D-Glyceraldehyde: High atom economy, yield and recycling of the starting materials and solvents.	<i>Indian Journal of Applied Research</i>	2014	2014, 04,	(IF: 3.624)	21
33	Salman Mukarram, Hemant Chavan , Imtiyaz Khan, Babasaheb Bandgar	A versatile C-5 synthon – Ethyl-3-[(4R)-2,2-dimethyl-1,3-dioxolan-4-yl]-2,2-difluoro-3-hydroxypropanoate in high chemical and optical purity: Observations on the development a practical bulk process.	<i>Indian Journal of Applied Research</i>	2014	2014, 04,	(IF: 3.624)	4
34	Hemant V. Chavan ,* Rajesh S. Shah.	Simple efficient and environmentally benign synthesis of Spiro Indeno[1,2-B]Quinoxalines	Contemporary Research in India,	2014	Special Issue, March 2014,		pp-241-244
35	Dr. A.S.Varale	Kinetics and Mechanistic Approach of the Selective Oxidation of n-Butyric Acid Hydrazide to the Corresponding Acid by Thallium (III) in 1, 4- Dioxane Medium	International Journal of Science and Research (IJSR)	2017	(June 2017) Volume 6 Issue 6,	6.391	948-952
36	Dr. A.S.Varale	Oxidation of Picolinic Acid Hydrazide by Thallium(III) in Acidic Medium. A Kinetic and Mechanistic Approach	<i>Oxidation Communications</i>	2015	38 No.4, (2015)	0.507	1562-1569
37	Dr. A.S.Varale	Synthesis, Mechanistic Interpretation and Kinetic Aproach of m-Toluic acid hydrazide by Thallium(III) in Acidic medium	<i>Oxidation Communications</i>	2015	39 No.4, (2015)	0.507	1562-1569
38	Dr. A.S.Varale	Study of Thermodynamic parameters for oxidation of p-hydroxy benzoic acid hydrazide by Thallium(III) in Acidic medium- A kinetic and mechanistic approach	<i>Oxidation Communications</i>	2015	40 No.4, (2015)	0.507	1562-1569

39	Dr. A.S.Varale	Thermodynamic Approach for Oxidation of p-Chloro Benzoic Acid Hydrazide by Thallium (III) in Acidic Medium- A Kinetic and Mechanistic Study	<i>International Journal of Science and Research</i>	2014	Volume 3 Issue 5, (May 2014)	3.358	1857-1859
40	Dr. A.S.Varale	Oxidation of p-nitro benzoic acid hydrazide- A Kinetic and Mechanistic Approach	<i>International Journal of Science and Research</i>	2014	Volume 3 Issue 5,	3.358	1865-1867
41	Dr. A.S.Varale	Kinetics and Mechanism of the Selective Oxidation of Benzoic and Isonicotinic Acid Hydrazides to their Corresponding Acids by Thallium (III) in Aqueous 1, 4-Dioxane Medium	<i>International Journal of Science and Research</i>	2014	Volume 3 Issue 11,	3.358	249-251