



॥ विद्या विनयेन शोभते ॥

Janardan Bhagat Shikshan Prasarak Sanstha's

**CHANGU KANA THAKUR**

ARTS, COMMERCE AND SCIENCE COLLEGE, NEW PANVEL

(AUTONOMOUS)

Re-accredited 'A+' Grade by NAAC (3<sup>rd</sup> Cycle - CGPA 3.61)

'College with Potential for Excellence' Status Awarded by UGC

'Best College Award' by University of Mumbai

## Department Of Chemistry Research Publication

**No. of Paper Publications in National and International Conferences from Date of Establishment till Date (provide Year wise List)**

Sr. No.	Name of the Author(s)	Title of the Paper	Name of the Journal	Month and Year of publication	ISSN	Page numbers (from-to)
1	Atul Chaskar, Hrushikesh Deokar, Vikas Padalkar, Kiran Phatangare and S.K. Patil,	Highly Efficient and Facile Green Approach for One-Pot Fisher Indole Synthesis	Journal of the Korean Chemical Society	2010	2234-8530	54 (4),page.411
2	A.S, Varale, K.R. Mhatre, V.K. Kene, S.R. Kamble, M.D. Patil, S.K. Patil	Kinetic and Mechanistic Study of Oxidation of Salicylic Acid Hydrazide by Thallium (III) in Acidic Medium	International Journal of Chem. Tech Research	Jan-March 2011		3 (1), 357
3	R.S. Lokhande, S.P. Janwadkar, Shirish Pitale, Santosh Kulkarni, Sanjay Patil	Solvent Extraction and Spectrophotometric Determination of Fe (III) by using Acetophenone 2',5',- Dihydroxy, Semiocarbazone as an Analytical Reagent	International Journal of Pharma World Research	Jan-March 2011		2 (2), 1-10
4	S.K. Patil, Santosh Kulkarni	Solvent Extraction and Spectrophotometric Determination of Ce(IV) by using Acetophenone 2',5'- dihydroxy semicarbazone (ADHS) as an Analytical Reagent	Rasayan Journal of Chemistry	2011		Page No. 609-612, Vol.04, Issue. 03
5	R.S. Lokhande, S.P. Janwadkar, Shirish Pitale, Santosh Kulkarni, Sanjay	Solvent Extraction and Spectrophotometric Determination of Mo (VI) by using Acetophenone 2',5',-	International Journal of ChemTech Research	Oct-Dec 2011	-	3 (4), 1765-1768

	Patil	Dihydroxy, Semicarbazone as an Analytical Reagent				
6	R.S. Lokhande, S.P. Janwadkar, Santosh Kulkarni, Sanjay Patil	Solvent Extraction and Spectrophotometric Determination of Cu (II) by using Acetophenone 2',5',-Dihydroxy, Semicarbazone as an Analytical Reagent	International Journal of Pharma and Bio Science	Oct-Dec 2011		2 (4), 315-319
7	R.S. Lokhande, S.K. Patil, Santosh Kulkarni and S.P. Janwadkar	Extraction and Spectrophotometric Determination of V (V) Metal Ions Using 5- Bromo Salyicylidene-2- Aminothiophenol (BSATP) As an Analytical Reagent	Int. J. Chem. Sci.	2011		9(4), 1657-1662
8	R. S. Lokhande, Santosh Kulkarni, Shirish Pitale, S.K.Patil, S. P. Janwadkar	Extraction and Spectrophotometric Determination of Cu (II) Metal ions usinghydrazine carboxymide 2-[(2-hydroxyphenyl) methylene (HC22HPM) as an Analytical Reagent	Journal of Pharma Science and Research	2011		Vol.2 (9), 184-188
9	R. S. Lokhande, Santosh Kulkarni, Shirish Pitale, S. K. Patil, S. P. Janwadkar	Extraction and Spectrophotometric Determination of Ce (IV) Metal ions usingHydrazinecarboxymide2-[(2-hydroxyphenyl) methylene(HC22HPM) as an Analytical Reagent	International Journal of Pharmaceutical and Biological Research	2011		Vol. 2(6), 161-164
10	S. K. Patil, M. M. Naik, G. K. Badgujar	Study of traditional eco-friendly mosquito repellents – An ethno botanical survey of Konkan region and its correlation with phyto-chemical and larvicidal activity study.	ANUGOONJ	2012-13		Issue-4
11	R. S. Lokhande, S. P. Janwadkar, Shirish Pitale, Santosh Kulkarni, Sanjay Patil	Solvent Extraction and Spectrophotometric Determination of U (VI) By Using Acetophenone 2', 5'-Dihydroxy, Semicarbazone as an Analytical Reagent	Journal of Advanced Scientific Research	2012		3(2): 82-83
12	Mahendra Khandpekar, Jayanta Mheta, Sanjay Patil, Sonali Araj, Pandurang Satpute	Comparative studies on synthesis and structure of old and new polymorphs of desvenlafaxine –An antidepressant drug	Indonesian Journal Pharm			Vol.25.No.1:2 5-30.
13	Sanjay K.Patil, Hrushikesh Deokar	Characterization and Biological Screening of Newly Synthesized Derivatives of Coumarin	International Journal of Science and Research	October 2014		Volume 3 Issue 10

14	S.K.Patil, Rajaram H.Pisal and Hrushikesh P.Deokar	Synthetic method and characterization of novel phthalamide derivatives	International Journal of Der pharma Chemica	2014		6(6):273-278
15	S.K.Patil and Hrushikesh P.Deokar	Synthesis and structural determination of novel hetrocyclic derivatives of coumarin isothiocyanates	International Journal of Der chemica Sinica	2014		5(6):74-78
16	S. K. Patil, R.S. Lokhande, S.M.Pitale, S.W. Kulkarni and S.P. Janawadkar	Extraction and Spectrophotometric Determination of Cd (II) Ions Using 5- Bromo Salicylidene-2-Aminothiophenol (bsatp) As an Analytical Reagent	Int. J. Chemistry	October-December 2014		Volume3 (4)
17	S. K. Patil, Bhushan P Langi and Hrushikesh P. Deokar	Synthesis and characterization of some novel bioactive thiazolidinone derivatives of 3-substituted coumarine	American Journal of Phamaceutical Research	2015		5(1), 578-583
18	S. K. Patil, N.S.Chandan, A.S.Nirmalkar	Synthesis and Anti-Microbial Activity of the Highly Substituted 2-(1H-Benzo(d) Imidazole—yl)-3-oxobutanenitrile	American Journal of Pharmtech Research	2015		5(3)
19	B. D. Aghav*, S. K. Patil and R. S. Lokhande	Synthesis, characterization and antibacterial properties of the ternary complexes of cerium with Schiff base derived from 4-aminoantipyrine and some amino acids	Research Library, Advances in Applied Science Research	2015		6(12):37-43
20	S. N. Vajekar, S. K. Patil	Colorimetric Assay for Copper (II) ions in Cow's milk Stored or Heated in Copper Container	ANUGOONJ	2016-17	2348-9731	Issue 6
21	S. K. Patil*, S.W. Kulkarni, S. P. Janwadkar	Solvent extraction and spectrophotometric determination of Fe(III) by using 5-bromo salicylidene-2-aminothiophenol (BSATP) as an analytical reagent	International Journal of ChemTech Research	2017		10 (6) 311-314.
22	Sanjay K. Patil*	Solvent Extraction And Spectrophotometric Determination of Ni(II) By Using 5-Bromo Salicylidene-2-Aminothiophenol as An Analytical Reagent	Int. J. Pharma Bio Sci	July 2017		9(10):84-88
23	Sanjay K. Patil*, Sudhakar A. Nirmalkar, Hrushikesh P. Deokar and Vaishali S. Nirmalkar	Synthesis, Characterization and Antimicrobial Study of Some New Benzimidazole-2-Thione Derivatives	World Journal of Pharmaceutical Research	Dec-2017		Vol 6, Issue 17, 736-748.

24	Sanjay K Patil*, Sunil S Patil, Sudhakar A Nirmalkar and Vaishali S Nirmalkar	Synthesis, Spectroscopic Characterization and in Vitro Antimicrobial Evaluation of Novel Pyrrolo Benzimidazole Derivatives	International Journal Of Research in Pharmacy and Chemistry	2018		8(1)
25	Sanjay K. Patil, Jyotsna G. Pargaonkar, & Shailesh N. Vajekar.	Greener route for the synthesis of photo- and thermochromic spiropyrans using a highly efficient, reusable, and biocompatible choline hydroxide in an aqueous medium.	Synthetic Communications	2018		Vol. 48, No. 2, 208-215
26	Sanjay K. Patil*, Sudhakar A. Nirmalkar, Vaishali S. Nirmalkar, Hrushikesh P.Deokar	Synthesis, Spectral Characterization and Antimicrobial Evaluation of Novel Pyrimidobenzimidazole	Heterocyclic Letters	Nov-Jan 2018	2231– 3087 2230- 9632	Vol. 8 No.1
27	Vibhute Baliram T <sup>1</sup> *, Patil Sanjay K <sup>1</sup> and Patil Arvind M <sup>2</sup>	Synthesis, Spectral Characterization and Antitubercular Study of Novel Quinoline Schiff Base and Its Metal Complexes.	Analytical Chemistry Letters	Nov- 2021		
28	Sanjay K. Patil, Baliram T. Vibhute*	Synthesis, characterization, anticancer and DNA photocleavage study of novel quinoline Schiff base and its metal complexes	Arabian Journal of Chemistry	August 2021		Vol.14, Issue 8
29	Vajekar*, S. N.; Pargaonkar, J. G.: Patil A. B.; Patil S. K.	Application of Fe <sub>3</sub> O <sub>4</sub> as a magnetic nanocatalyst in the synthesis of photochromic spironaphthoxazines	Research Journal of Chemistry and Environment	2020,		24 (6), 61-69
30	B.T. Vibhute <sup>1</sup> , B.D. Aghav <sup>1</sup> , B.P. More <sup>2</sup> , R.O. Bellamkonda <sup>3</sup> and S.K. Patil <sup>1</sup>	Antimicrobial, Cytotoxicity and Molecular Docking Study of New Quinoline Schiff Base and its Metal (II) Complexes	Asian Journal of Chemistry	2022		Vol 34, No.3, 685-694
31	S.A. Shaikh, V.S. Kamble, S.T. Salunkhe, S.K. Patil, and B.D. Aghav	Efficient Synthesis of Xanthenediones Using CuCeO <sub>2</sub> Nanoparticle Catalyst in Aqueous Medium	Organic Preparations and Procedures International	2023	0030- 4948	Accepted
32	P.P.Hankare, B.V. Jadhav, P.A.Chate.	Structural & Optoelectrical Properties of Molybdenum Diselenide thin films deposited by Chemical bath method	Journal of Crystal Growth	2006	ISSN 0022- 0248	40-44
33	P. P. Hankare, B.V. Jadhav, P.A. Chate, D.J. Sathe, M.R. Asabe,	Comparative study of zinc selenide photoelectrode annealed at different temperatures	Solid State Sciences	2008	ISSN 1293- 2558	1970-1975
34	P. P. Hankare, P.A. Chate, B.V. Jadhav, D.J. Sathe, M.R.	Photoelectrochemical studies of CdSe thin films deposited by dip method	Journal of Alloys and Compounds	2009	ISSN 0925- 8388	347–350

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35	P. P. Hankare, P.A. Chate, B.V. Jadhav, D.J. Sathe	Effect of temperature on various properties of Photoelectrochemical cell	Journal of Alloys and Compounds	2010	ISSN 0925-8388	350-352
36	P. P. Hankare, B.V. Jadhav, K.M.Garadkar P.A. Chate, I.S. Mulla, S.D. Delekar	Synthesis and characterization of nickel selenide thin films deposited by chemical method	Journal of Alloys and Compounds	2010	ISSN 0925-8388	228-231
37	P.P. Hankare, B.V. Jadhav, P.A. Chate, D.J. Sathe, I.S. Mulla	Synthesis and characterization of chemically deposited nickel substituted CdSe thin film	Journal of Alloys and Compounds	2011	ISSN 0925-8388	2948-2951
38	B. V. Jadhav, P. P. Hankare, S. D. Delekar	Investigation of structural, electrical and optical properties of nickel substituted CdSe thin films	Journal of Materials Science: Materials in Electronics	2011	ISSN 0957-4522	1433-1442
39	S. D. Delekar, M. K. Patil B.V. Jadhav, , K. R. Sanadi, P.P. Hankare	Synthesis and characterization of Cd <sub>0.7</sub> Pb <sub>0.3</sub> Se thin films for photoelectrochemical cell	solar cell Solar Energy,	2010	ISSN 0038-092X	394-400
40	P.P. Hankare, B.V. Jadhav, P.A. Chate, D.J. Sathe,	X-ray and optical properties of chemically deposited nanocrystalline CdSe thin films	Journal of Alloys and Compounds	2010	ISSN 0925-8388	220-223
41	R.P. Patil, B.V. Jadhav, P.P. Hankare	Electrical and thermoelectric properties of nanocrystalline Mn-substituted lithium ferrites	Results in Physics	2013	ISSN-2211-3797	214-228
42	B.V. Jadhav	Chemical Analysis of Water Quality Parameters of Different regions of PanvelTahasil ,Dist-Raigad(M.S.)	ANUGOONJ	2013-2014	ISSN 2348-9731	7-11
43	B. V. Jadhav R. P. Patil, P.C.Patil, V.D.Patil,	Synthesis, Characterization and Catalytic Application of Magnetically Separable Zn-Cr Ferrite	Journal of Nano engineering and Nano Manufacturing	2015	ISSN-2157-9334	1-7
44	B.V. Jadhav	Antimony- Doped Cd <sub>0.7</sub> Ni <sub>0.3</sub> Se Thin Films: Synthesis and Characterization	Aarhat Multidisciplinary International Education Research Journal (AMIERJ)	2014	ISSN 2278-5655	208-224
45	R. P. Patil, B. V.Jadhav, M.R. Kadam, D. R. Patil,	LPG Gas Sensing Application of Lithium Ferrite	American Scientific Publishers	2016	ISSN-2169-4303	1-5

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46	R. P. Patil, B. V. Jadhav S. B. Patil , S. D. Delekar , P. P. Hankare	Structural and magnetic properties of Co substituted $\text{Li}_{0.5}\text{Fe}_{2.5}\text{O}_4$	Journal of Magnetism and Magnetic Materials	2016	ISSN-1873-4766	870-874
47	B. V. Jadhav, R. P. Patil	Structural, Electrical And Thermoelectric Power Measurement Studies Of Polyol Route Synthesized $\text{Li}_{0.5}\text{Fe}_{2.5}\text{O}_4$	Aarhat Multidisciplinary International Education Research Journal (AMIERJ)	2016	ISSN 2278-5655	96-107
48	R. P. Patil, B. V. Jadhav, A. D. Pinjarkar R. R. Sawant S. B. Patil	Synthesis, Characterizations and Photocatalytic application of Cr substituted $\text{ZnMnFe}_2\text{O}_4$	Proceedings of International conference on Advances in Materials Science	2016	ISBN 978-93-5254-490-5	204-208
49	S. F. Shaikh,. B. V. Jadhav, R. P. Patil,	Photocatalytic Activity Of Zn-Co-Ferrite Nanoparticle Synthesized Using Lemon As Green Binding Agent By Sol-Gel Method	Indo American Journal of Pharmaceutical Sciences	2018	ISSN: 2349-7750	S89-S93
50	B.V. Jadhav	Photoelectrochemical applications of NiSe thin films prepared by Chemical bath deposition method	Aarhat Multidisciplinary International Education Research Journal (AMIERJ) A Peer Reviewed Multidisciplinary Journal UGC Approved Journal No 48178, 48818	2018	ISSN 2278-5655	159-164
51	B.V.Jadhav, S.F.Shaikh, R.P.Patil,	Manganese doped Co-Zn Ferrite Nanoparticle Synthesis and Characterization; Effects of Annealing Temperature on the Size of nanoparticles.	Aarhat Multidisciplinary International Education Research Journal (AMIERJ)	2018	ISSN 2278-5655	301-305
52	S. F. Shaikh, B.V.Jadhav, AditiNarvankar, MarvikaKamble	Quality Assessment Of Kharamboli Dam Water By Studying Physico-Chemical Characteristics, Murud, Dist-Raigad (M. S.)	International, Peer Reviewed, & Referred Quarterly scholarly research Journal for Interdisciplinary Studies	2018	ISSN 2278-8808	10-15

53	S. F. Shaikh B. V. Jadhav Juhee Nandgaonkar, Hrishikesh Vadkar	Estimation of water quality physico-chemical parameters of drinking water sources of usroli village of murud tehsil district- raigad, maharashtra, india	International, Peer Reviewed, & referred quarterly Scholarly research Journal for Interdisciplinary Studies	2018	ISSN 2278-8808	21-27
54	S. F. Shaikh B. V. Jadhav Anamika Virkud, Tasnim Malbari	Review on application of aloe vera in medicinal field and its Chemical composition	International, Peer Reviewed, & Referred quarterly Scholarly research Journal for Interdisciplinary Studies	2018	ISSN 2278-8808	7-13
55	S. F. Shaikh B.V.Jadhav ,Rushda Hasware, Shubhangi Chavan	Does the drinking water sources available satisfies minimum required standards in Nandgaon Village of Murud Tehsil District- Raigad, Maharashtra, India	International, Peer Reviewed, & referred quarterly Scholarly research Journal for Interdisciplinary Studies	2018	ISSN 2278-8808	17-23
56	S. F. Shaikh B.V.Jadhav ,Anamika Virkud, Abhishek Nakti	Role of aloe vera extract in dirty water purification and in heavy metal removal	International, Peer Reviewed, & referred quarterly Scholarly research Journal for Interdisciplinary Studies	2018	ISSN 2278-8808	15-19
57	S. F. Shaikh, B. V. Jadhav, ,Tasnim Malbari, Aditya Wadkar	Determination of physico-chemical parameters of drinking water sources of Majgaon Village of Murud Tehsil District- Raigad, Maharashtra, India	International, Peer Reviewed, & referred quarterly Scholarly research Journal for Interdisciplinary Studies	2018	ISSN 2278-8808	25-32
58	S. F. Shaikh B. V. Jadhav ,Madiha Dakhni, Shifa Ulde	Analysis of water quality using physico-chemical parameters of drinking water sources of Murud Nagarparishad Area District raigad, Maharashtra, India	International, Peer Reviewed, & referred quarterly Scholarly research Journal for Interdisciplinary Studies	2018	ISSN 2278-8808	8-15
59	S. F. Shaikh B.V.Jadhav ,R. P. Patil	Synthesis and characterizations of zinc cobalt ferrite (zn0.5co0.5fe2o4)nanoparticle using green and organic chelating agents via sol-gel	International, Peer Reviewed, & referred quarterly Scholarly research	2018	ISSN 2278-8808	21-26

		auto combustion technique: - it's comparative study	Journal for Interdisciplinary Studies			
60	S. F. Shaikh B.V.Jadhav, ,Sonali Jayswal, Sanket Divekar	Physico-chemical parameters analysis of water quality of drinking water sources of Shighre Village of Murud Tehsil District- Raigad, Maharashtra, India	International, Peer Reviewed, & referred quarterly Scholarly research Journal for Interdisciplinary Studies	2018	ISSN 2278- 8808	11-17
61	S. F. Shaikh' B. V. Jadhav, Zainab Jamadar, Ankita Gharat	Assesment of physico-chemical characteristics of Garambi Dam Water In Murud, Dist-Raigad (M.S.)	International, Peer Reviewed, & referred quarterly Scholarly research Journal for Interdisciplinary Studies	2018	ISSN 2278- 8808	1-6
62	S. F. Shaikh B.V.Jadhav, Nawal Pangarkar, Hasham Chogale	Studies on physico-chemical characteristics of drinking water sources of Vihour Village of Murud Tehsil DistrictRaigad, Maharashtra, India	International, Peer Reviewed, & referred quarterly Scholarly research Journal for Interdisciplinary Studies	2018	ISSN 2278- 8808	23-29
63	R..Patil, B.V. Jadhav, A.D.Pinjarkar S.L.Pawar, M.R.Aasbe ,B.B.Patil	Substitution effects of Cr <sup>3+</sup> on magneto structural and semiconducting properties of the Lithium ferrites	International Journal of Research and Analytical reviews (IJRAR) Peer Reviewed, Referred Journal (UGC 43602)	2018	E - ISSN 2348- 1269 P - ISSN 2349- 5138	167-177
64	Mane C.B., Pawar R.P., Tapase A.S., More H.S., Jadhav B.V., Patil R.P	Gas Sensing Application of Ceria, Cassiterite and Ceria- Cassiterite Nanocomposite,	Research Journal of Chemistry and Environment	April (2021)	E - ISSN 2278- 4527 P - ISSN 0972- 0626	129-134
65	Shaikh S.F., Jadhav B.V.*, Patil R. P., Patil J. S,	Study of Application of Zn <sub>0.5</sub> Mn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> NP's prepared via Sol-gel Method for Dyestuff Industry Waste Water Purification	Research Journal of Chemistry and Environment	June (2021)	E - ISSN 2278- 4527 P - ISSN 0972- 0626	113-117



66	Birmule P.R., Chavan A. S., Jadhav B. V., Burungale A. S., Helavi-Reddy V.B., Patil R.P.	Effect of Nickel Substitution on Structural and Magnetic Properties of Novel Polyol route Synthesized Cobalt Ferrite	Research Journal of Chemistry and Environment	August (2021)	E - ISSN 2278-4527 P - ISSN 0972-0626	17-22
67	Arjun S. Chavan, Bhagwan V. Jadhav, Mohan R. Kadam, Akush V. Mali, C. B. Mane, and Rajendra P. Patil*	Photodegradation of Dye Pollutants on Nanocrystalline Co Doped Li <sub>0.5</sub> Fe <sub>2.5</sub> O <sub>4</sub> under UV-Visible Light Irradiation, , Dec(2021) 1-4, Macromol. Symp. 2021, 400, 2100201400	Macromolecular Symposia	Dec (2021) 1-4,		1-4
68	Sajid F. Shaikh, Bhagwan V. Jadhav, R. P. Patil	Effects of Annealing Temperature on the Size of Zinc Doped Cobalt Ferrite Nanoparticles Synthesized using Green Binder,	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	March (2022)	ISSN (Online ) 2581-9429	86-92
69	GA Meshram, VD Patil	A simple and efficient method for sulfonylation of amines, alcohols and phenols with cupric oxide under mild conditions	Tetrahedron Letters 50 (10),	2009	0040-4020	1117-1121,
70	GA Meshram, VD Patil	Simple and efficient method for synthesis of bis (indolyl) methanes with Cu (BF <sub>4</sub> ) <sub>2</sub> ·SiO <sub>2</sub> under mild conditions	Synthetic Communications 40 (1),	2009	0039-7911	29-38
71	V. D. Patil, J Patil, P Rege, G Dere	Mild and efficient synthesis of benzimidazole using lead peroxide under solvent-free conditions	Synthetic Communications 41 (1),	2010	0039-7911	58-62
72	JA Vishvanath D. Patil*, Medha Gole, Shramesha Mhatre	A mild and efficient synthesis of Benzimidazole by using zinc acetate under solvent free condition	Der Chemica Sinica 1 (2),	2010	0976-8505	125-129
73	GA Meshram, VD Patil	Simple and efficient method for acetylation of alcohols, phenols, amines, and thiols using anhydrous NiCl <sub>2</sub> under solvent-free conditions	Synthetic Communication 39 (14),	2009	0039-7911	2516-2528

74	GA Meshram, VD Patil	Efficient Synthesis of Benzimidazole and Quinoxaline Derivatives with ZnO.H <sub>2</sub> O <sub>2</sub> under mild conditions	Organic Chemistry : An Indian Journal 6 (1)	2010	0974-7516	139-143
75	VD Patil, GB Dere, PA Rege, JJ Patil	Synthesis of Bis (indolyl) methanes in catalyst-and solvent-free reaction	Synthetic Communications 41 (5)	2011	0039-7911	736-747
76	GA Meshram, VD Patil	Chemoselective Synthesis of 1, 1-Diacetates from Aldehydes Using Anhydrous Cobalt (II) Bromide Under Solvent-Free Conditions	Synthetic Communications @ 40 (3)	2010	0039-7911	442-449
77	GD Vishvanath D. Patil*, Priyanka Rege, Jaymala Patil	Efficient acylation and benzylation of alcohols and phenols using cobalt nitrate under solvent free condition	The IUP Journal of Chemistry 3 (1)	2010	0033-4545	42-50
78	VD Patil, KP Patil	Synthesis of Benzimidazole and Benzoxazole Derivatives Catalyzed by Nickel Acetate as Organometallic Catalyst.	International Journal of Chem Tech Research 8 (11)	2015	2455-9555	457-465,
79	GA Meshram, VD Patil	Efficient Synthesis of Benzimidazole and Quinoxaline Derivatives with ZnO.H <sub>2</sub> O <sub>2</sub> under mild conditions	International Journal of Chemical Sciences 8 (1)	2010	0972-768X	119-131
80	V D Patil, K P Patil, N R Sutar, P V Gidh	Phenyl boronic acid promoted efficient synthesis of perimidine derivatives under mild condition	Chem Int 3 (3)	2017	1365-2192	195-201
81	V D Patil, N R Sutar, K P Patil, P Gidh	Synthesis of 2, 4, 5-triaryl-1H-imidazoles using anhydrous Pb (OAc) 2 as a catalyst in C <sub>2</sub> H <sub>5</sub> OH	Der Chem Sin 7 (2),	2016	0976-8505	23-28
82	PVG Vishvanath D. Patil*, Ketan P. Patil, Nagesh. R. Sutar	One-pot synthesis of 1,5-benzodiazepine derivatives catalyzed lead acetate under solvent free condition	Heterocyclic Letters 6 (1),	2016	2231-3087	61-69
83	V. D. Patil, K P Patil, NR Sutar, P V Gidh	Efficient synthesis of biscoumarins using zinc acetate as a catalyst in aqueous media	Chem. Int 3,	2017	1365-2192	240-243

84	V. D. Patil, NR Sutar, KP Patil, P Giddh	BiCl <sub>3</sub> – an eco-friendly catalyst for an efficient synthesis of benzoxazoles at room temperature	Chemistry of Heterocyclic Compounds 51	2015	0009-3122	1019-1022
85	V. D. Patil, J S Thakur, S Mhatre, M Gole, A Jaiswal	Synthesis and Characterization of Nanocrystalline In <sub>2</sub> O <sub>3</sub> and Its Efficacy as a Catalyst for the One Pot Synthesis of Amidoalkyl Naphthols	Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal	2013		
86	V D Patil, P V Gidh, A M Salve	SiO <sub>2</sub> . TTC: Efficient catalyst for synthesis of 3, 4-dihydropyrimidine-2 (1H)-ones/thiones	Der Chemica Sinica 8 (2)	2017	0976-8505	247-253
87	NRS,PVG VishvanathD.Patil*, KetanP.Patil	Nickel Acetate as efficient Organometallic Catalyst for Synthesis of Bis (Indolyl) Methanes	International Journal of chemical Science 13 (2),	2015	0972-768X	857-862
88	V D Patil, Nagesh Sutar, R., K P Patil, P V Gidh	Chemoselective acylation of amines, alcohols and phenols using magnesium chloride under solvent free conditions;	International Journal Of Chemical Science 13 (1)	2015	0972-768X	450-458
89	KPP Vishvanath D Patil, Nagesh R.Sutar	Synthesis of 2,4,5-Triaryl-1H-Imidazoles using anhydrous PbCl <sub>2</sub>	Journal of Chemical and Pharmaceutical Research 8 (7)	2016	2689-1050	728-732
90	GA MESHRAM, VD PATIL	Chemoselective Acylation And Benzoylation Of Alcohols, Phenols And Amines Using Copper Oxide Under Solvent Free Condition	International journal of chemical science 6 (3)	2008	0972-768X	1315-1323
91	J Thakur, V Patil, P Chorghe, K Patil	Combustion Synthesized Cobalt Ferrite Nanoparticles as Magnetically Recyclable Catalyst for Synthesis of Benzimidazole Derivatives	Nanoscience & Nanotechnology-Asia 8 (2)	2018	2210-6812	281-288
92	V D Patil, N R Sutar, K P patil	Synthesis Of B-Amino Carbonyl Compounds And 5-Unsubstituted 3, 4-Dihydropyrimidinones Using Solid Supported Co (ClO <sub>4</sub> ) <sub>2</sub> Under Solvent Free Condition	Acta Chimica and Pharmaceutica Indica	2016	2277-288X	72-79

93	V D Patil, N R Sutar, K P Patil	synthesis Of Benzoxanthenes And 1-Amidoalkyl-2-Naphthols Using Solid Supported PbCl <sub>2</sub> Under Solvent Free Condition	Heterocyclic Letters 6 (4),	2016	2231-3087	701-707,
94	V D Patil, P V Gidh, P C Patil, Nagesh Sutar, K P Patil	Efficient Synthesis of Bis(indoyl) methanes by using Silica supported TCAA	International Journal of Chemical science 12 (1)	2014	0972-768X	248-252
95	GN ,Patil Vishvanath. D.*, Salve Amruta M., Gharat V.D.	Multicomponent one pot synthesis of Substituted 3,4-Dihydropyrimidin-2-(1H)-ones by Nanocrystalline CeO <sub>2</sub>	Research Journal of chemistry and Environment 25 (8)	2021	9720626	83-89
96	GVD ,Patil Vishvanath.D.,Salve Amruta M.	Facile Synthesis of 2-aryl-5-ethyl-2,3-dihydro-1H-3-pyrazolones catalysed by nano Crystalline ZrO <sub>2</sub>	International journal of All Research Education and Scientific Methods	2021		
97	GVD,SAM Patil Vishvanath. D	Green Ecofriendly synthesis of Glycoluril derivatives via Cyclocondensation of Benzil and urea/ thiourea	Research Journal of chemistry and Environment 25 (5)	2021	9720626	123-126
98	GN Patil Vishvanath. D.*, Salve Amruta M., Gharat V.D.	Highly Efficient One Pot Synthesis Of Heterocyclic Benzimidazoles Catalysed By Nano Crystalline ZrO <sub>2</sub>	Heterocyclic Letters 10 (3)	2020	2231-3087	459-466
99	NG Vishvanath D. Patil*, Amruta Salve, Vaishnav D. Gharat	Efficient CeO <sub>2</sub> nanoparticles catalysed for Synthesis of heterocyclic Bis(Indoyl) methane under mild conditions	International Journal of Heterocyclic Chemistry, 9 (01)	2019	0022-152X	11-24
100	AMS Vishvanath Dhamba Patil* , Prathamesh Vidyadhar Gidh	Sio <sub>2</sub> .Caa: An Efficient Catalyst For One Pot Synthesis Of 4,6-Diarylpyrimidine- 2(1h)-Ones Or Thiones	Indo American Journal of Pharmaceutical Research, 7 (3)	2017	2231-6876	
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103	RP Patil, PC Patil, VD Patil, BV Jadhav	Synthesis, Characterization and Catalytic Application of Magnetically Separable Zn–Cr Ferrite	Journal of Nanoengineering and Nanomanufacturing 6 (2)	2016	2231-1777	130-136,
104	ATG Vishvanath D. Patil*, Ketan P. Patil, Nagesh R. Sutar	Knoevenagel Condensation of Aldehydes with Meldrum's Acid in Presence of Phenyl boronic acid as a catalyst	American Journal Of Pharmatech Research	2016	2249-3387	411-416
105	VD Patil, KP Patil, NR Sutar, AT Gatade	One-Pot Synthesis Of 2, 4, 6-Triaryl Pyridines Using Magnesium Acetate As Organometallic Catalyst Under Solvent Free Condition	Heterocyclic Letters	2016	2231-3087	453-458
106	NRS, KPP Vishvanath D. Patil*	Simple and efficient synthesis of bis(indolyl)methane by using NiSO <sub>4</sub> .6H <sub>2</sub> O	Journal of Chemical and Pharmaceutical research 8 (8)	2016	2689-1050	608-613
107	V Patil, J Thakur, N Sutar	Chromium doped nano In <sub>2</sub> O <sub>3</sub> – An efficient catalyst for synthesis of benzoxazoles and 3, 4-dihydropyrimidin-2 (1H)-ones	International Journal of Chem Tech Research 9 (7)	2016	2455-9555	366-377
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111	Vishvanath D. Patil*, Ketan P. Patil, Nagesh. R. Sutar, Prathamesh V. Gidh	Synthesis of 2,4,5-Triaryl-1H-imidazoles using anhydrous Lead acetate as a catalyst in Ethanol	Der Chemica Sinica 7 (2),	2016	0976-8505	23-28

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114	RVP Vishvanath D.Patil*, Jyotsna S.Thakur, Priyanka Rege, Jaymala Patil	Biologically active Quinoxaline Efficiently Synthesis under Mild Conditions	International Journal of Chemistry & Application 2 (1)	2010	0972-768X	201-205,
115	Sunita Khansole Jadhavo V.D.Patil*	A rapid synthesis of Quinoxaline by green process	International multidisciplinary, multilingual peer reviewed journal 7(3), 2020	2020		
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118	V.D. Patil	Water melon peels : natural adsorbent for removal of synthetic dyes from Industrial effluents	(Anugoonj)	issue 5, 9-13, 2015-2016, 15-2016	2348-9731	
119	V.D. Patil	Study of seasonal variations in physico-chemical parameter of river Patalganga in Raigad District	(Anugoonj)	issue 4, 2014-2015,	2348-9731	
120	S.A. Shaikh, V.S. Kamble, R.H. Gupta, A.G. Awale, S.T. Salunkhe, B.D. Aghav	Bimetallic CoCeO <sub>2</sub> oxide nanoparticles: An efficient and reusable heterogeneous catalyst for synthesis of 2-amino-3-cyano-4H-pyran derivatives	Journal of Heterocyclic Chemistry	2023	0022-152x	Minor revision
121	S. A. Shaikh, V. S. Kamble, S. T. Salunkhe, S. K.	Efficient Synthesis of Xanthenediones Using CuCeO <sub>2</sub> Nanoparticle Catalyst in	Organic Preparations and Procedures	2023	0030-4948	Accepted

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125	B.T. Vibhute, B.D. Aghav, B.P. More, R.O. Bellamkonda and S.K. Patil	Antimicrobial, Cytotoxicity and Molecular Docking Study of New Quinoline Schiff Base and its Metal Complexes	Asian Journal of Chemistry	(2022)	09707077	Vol. 34, No. 3, 685-694.
126	B.D. Aghav	Synthesis and characterization of some ternary cerium (III) complexes with 1, 5-dimethyl-2-phenyl-4 [(2-thienylmethylene) amino]-1, 2-dihydro-3H-pyrazol-3-one Schiff base and heterocyclic ligands	Educreator Research Journal	March-April 2022	2394-8450	267-272
127	V.S. Kamble, B.D. Aghav J.M. Pawara and S.T. Salunkhe	Physico-chemical investigation of drinking water samples of adjacent villages of Panvel	Educreator Research Journal	March-April 2022	2394-8450	230-234
128	B.D. Aghav, S.A. Shaikh, N. Roy and K.N. Vidhate	A green and efficient one-Pot Synthesis of Polyhydroquinoline Derivatives Catalyzed By Ammonium Chloride Under Aqueous Media	Vidyabharati International Interdisciplinary Research Journal	2021	2319-4979	p. 1-6
129	K.N. Vidhate and B.D. Aghav	Liquid-Liquid Extraction and Separation of Osmium(VIII) with 4-(4-Methoxybenzylideneimino)-5-methyl-4H-1,2,4-triazole-3-thiol in Organic Acid Medium	Journal of Applicable Chemistry	2021	2278-1862	10(4): 455-459
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		salicylidene-3-pyrazolin-5-one and some Amino Acids				
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135	B.D. Aghav	Physico-Chemical Analysis of Groundwater Samples of Panvel Area in Raigad District, Maharashtra, India	ANUGOONJ	2014-2015	2348-9731	11- 15
136	B.D. Aghav	Impact of Heavy Metals on Environmental Pollution and Living Organism	Conference Proceeding: Environmental Hazards and Problems	2016	978-93-83342-26-6	103- 106
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138	J. Thakur, R. Shukla, N. Raje, D. Ghonge , H. Bagla, and A. K. Tyagi	Synthesis, Structural Characterization and Thermal Stability of Nano-crystalline Rare-Earth Chromates (RECrO <sub>4</sub> ) and Rare-Earth Chromites (RECrO <sub>3</sub> )	Nanoscience and Nano-technology Letters	2011		648-654
139	Jyotsna Thakur, Dimple P. Dutta, Hemlata Bagla, and Avesh Kumar Tyagi	Effect of Host Structure and Concentration on the Luminescence of Eu <sup>3+</sup> and Tb <sup>3+</sup> in Borate Phosphors	Journal of American Ceramic Society	2011		1-9
140	Vishvanath D. Patil, Jyotsna S. Thakur, Shramesha Mhatre, Medha Gole & Aarti Jaiswal	Synthesis and Characterization of Nanocrystalline In <sub>2</sub> O <sub>3</sub> and Its Efficacy as a Catalyst for the one pot Synthesis of Amidoalkyl Naphthols	Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry	2013		471-478
141	Jyotsna Thakur, Manda Mhatre	Bioaccumulation of Heavy Metals in Tilapia Mossambicus Fish from Industrially Polluted	International Journal of	2015		486-490



		Patalganga River, India	Advanced Research			
142	Jyotsna Thakur, Manda Mhatre	Potential Health Risk due to the Bioaccumulation of Heavy Metals in the Fish found in Dharamtar Creek, India	International Journal of Engineering Technology Science and Research	2015	2394-3386	13-18
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150	Jyotsna Thakur	HMF as a quality indicator in Garcinia indica fruit juice	Current Research in Nutrition and	2020		227-233

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153	Maheshwari Zirpe, Jyotsna Thakur	Enhanced Photocatalytic Degradation of Methylene Blue Dye using Ag-Fe <sub>2</sub> O <sub>3</sub> Core-shell Nanoparticles	Research Journal of Chemistry and Environment	2021		121-127
154	Gayatree Shinde, Maheshwari Zirpe, Jyotsna Thakur	A green approach to the rapid synthesis of 2-phenyl benzoxazole and its derivatives using magnetically separable Ag@Fe <sub>2</sub> O <sub>3</sub> core-shell nanoparticles	Research Journal of Chemistry and Environment	2021		23-30
155	Maheshwari Zirpe, Jyotsna Thakur	Sono-assisted synthesis of AgFeO <sub>2</sub> nanoparticles for efficient removal of Basic Green-4 dye from aqueous solution	Journal of Nanoparticle Research	2022		240
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160	Sunil S. Patil * , Ganesh A. Thakur2	Synthesis, Characterization And Antibacterial Studies On Some	Acta Poloniae Pharmaceutica ñ	Vol. 68 No. 6 pp.	ISSN 0001-	881-887

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166	M. N. Gurav, S. S. Patil And M. K. Pejaver	Planktonic Diversities And Densities With Respect To Its Relationships To The Nutrients In River Gadhi And Deharang Reservoir By 1m. N. Gurav, 2s. S. Patil And 3m. K. Pejaver	Life sciences leaflates	2012-07-01	0976-1098 a and p- ISSN: 2277-4297	56-60
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