



Curriculum Vitae

1. Name(in Block letters) : **Dhake Rajesh Bhagwat**
2. Father's /Husband's Name : Dhake Bhagwat Tukdu
3. Department : Department of **Chemistry**
4. Current Designation and Grade pay : Professor, academic level 14
5. Date of Last Promotion : 31/12/2021
6. Which position and grade pay are you an applicant under CAS? : Professor, academic level 14
7. Date of eligibility for promotion : ---
8. Date and place of Birth : 28/05/1973, Jalgaon
9. Sex : Male
10. Marital status : Married
11. Nationality : Indian
12. Indicate whether belongs to SC/ST/OBC category : O.B.C.
13. Address for correspondence : B/H The Maharana Pratap High School,
(with Pin Code) Jamner road, Bhusawal, 425201.
14. Permanent Address & Telephone No./ : 02582-242811
E-mail : Mob. No. - 9860779428
drrbdhake@gmail.com

15. Academic Qualifications (Matric till post graduation)

Examinations	Name of the Board / University	Year of Passing	Div / Class /Grade	Subject
SSC	Pune Board	1988	Second	General
HSC	Pune Board	1991	Second	Science
B.Sc.	North Maharashtra University, Jalgaon.	1994	First	Chemistry
M.Sc.	North Maharashtra University, Jalgaon.	1997	Distinction	Analytical Chemistry
Ph.D.	North Maharashtra University, Jalgaon.	2006	-	Chemistry

16. Research Degrees

Degrees	Title	Date of Award	University
Ph.D.	“Impact Assessment of Human Activities on Water Quality of Tapi River at Bhusawal.”	16-11-2006	North Maharashtra University, Jalgaon.

17. Appointments held prior to joining this institution

Designation	Name of Employer	Date of Joining		Salary with Grade	Reason of Leaving
		Joining	Leaving		
Professor	Prof. Dhake Rajesh Bhagwat	06/04/1998	-----	Academic level 14	-----

18. Post held after appointment at this Institution.

Designation	Department	Date of Actual Joining		Grade
		From	To	
Lecturer	Chemistry	06/04/1998	Till date	-----

19. Period of Teaching Experience - U.G. Classes –24 yrs. P.G.Classes -20 yrs.

20. Research Experience excluding years spent in Ph.D. (in Years) – 22yrs

21. Fields of Specialization under the subject / Discipline: Analytical Chemistry

Teaching Programmes Attended:

Sr. No	Orientation/ Refresher Course	Name of University	Period of Course	Dates		Subject
				From	To	
1	Orientation Course.	UGC Academic Staff College LNIPE Gwalior	28 Days	29/10/2001to 25/11/2001		General

2	Refresher course	Pune University	21 Days	8/11/2011 to 28/11/2011	Chemistry
3	Refresher course	Dr. B.A.M.U. Aurangabad	21 Days	26/05/2014 to 14/06/2014	General
4	Faculty Improvement for Research in Science and Technology	North Maharashtra University Jalgaon	7 Days	18/07/2015 to 24/07/2015	Chemistry
5	Short term course	Rani Durgawati Vishwavidyalaya, Jabalpur, M.P.	06 Days	23/04/2018 to 28/04/2018	General
6	Refresher course	Rani Durgawati University, Jabalpur, M.P.	13 Days	18/01/2021 to 30/01/2021	Environmental education and disaster management

Book Published:

Sr No	Title of the Book	Subject	Publisher	Year of Publ.	Level at which Recommended
1	Heavy Metal Pollution Research: Recent Advances	Occurrence of heavy metals in Tapi river water and sediments at Bhusawal region of Maharashtra	Daya Publishing House 1123/74, Deva Ram Park Tri Nagar Delhi-110035	2006	ISBN 81-7035-385-5 (Chapter No. -7)

Research Projects Carried Out:

Sr No	Title of the Project	Name of Funding agency	Amt (Rs)	Duration	Remarks
1	Environmental Impact assessment of Thermal Power Station (Deepnagar) with special reference to the underground water quality 9 Feb 2007 to 9 Feb 2009	U.G.C. New Delhi.	83000/-	2 Years	Completed

Seminar, Conference, Symposia, Workshop etc attended:

Sr No	Name of the seminar/ conferences/ Workshop / symposia etc	Title	National / International	Place	Date
1	Conference	18 th Conference of Indian Council of Chemists.	National	N.M.U.Jalgaon.	27 to 29 Dec.1999
2	Symposium	Woman awareness and Its direction	National	L.N.I.P.E. Gwalior (M.P.)	24 - 25 Nov. 2001
3	Conference	Impact of HighwayTraffic on Noise Environmental of JalgaonCityMaharashtra	International	New Delhi	6 -10 Nov. 2001
4	Symposium	Impact assessment of human activities on Tapi river in Bhusawal Region	National	B.A.M.U. Aurangabad	27 - 29 Jan. 2001
5	Workshop	Curriculum Designing in Chemistry	University	M.J.College, Jalgaon	9th Dec.2002
6	Conference	Management of water resources : Emerging Challenges Trands and solution	National	Yeshwant Mahavidyalaya Nanded Maharashtra	21st to 22nd Feb. 2003
7	Symposium	Recent Trends in Environmental Sciences	National	North MaharashtraUniversity, Jalgaon	6 March 2004
8	Workshop	Inter linking of Rivers Problems and perspectives IL Rivers 04	National	J.T.M. College Faizpur.	22nd March 2004
9	Workshop	Workshop in Chemistry	National	D.N.Mahavidyalaya	13th Feb.20

				Faizpur	04
10	Conference	Environmental Awareness campaign (NEAC 2003 2004)	National	NMU Jalgaon	5th June 2004
11	Conference	India Council of Chemists	National	I.I.T. Roorkee	17 to 19th Oct 2003
12	Conference	Environmental Awareness campaign (NEAC 2003 2004)	National	NMU Jalgaon	5th June 2004
13	Workshop	The Workshop on Environmental studies	University	Pratap college, Amalner	4th Feb. 2005
14	Conference	Recent Trends in Synthetic Organic Chemistry (RTSOC 2005)	National	N.M.U. Jalgaon	16th to 17th Dec. 2005
15	Conference	National Seminar Intellectual Property Rights (NSIPR 2005)	National	N.M.U. Jalgaon	27th to 28th Sept. 2005
16	Conference	Recent Trends in Synthetic Organic Chemistry (RTSOC 2005)	National	N.M.U. Jalgaon	16th to 17th Dec. 2005
17	Workshop	Workshop on F.Y.BSc Chemistry syllabus of North Maharashtra University Jalgaon	University	P.O.Nahata College	12 th Feb. 2007
18	Workshop	Faculty Development Workshop	University	ICFAI National College Jalgaon	
19	Workshop	Workshop on framing of syllabus at S.Y.BSc Chemistry	University	smt. G.G.Khadse College Muktainagar.	21 st January 2008.

20	Workshop	National workshop on Modern Trends in advanced Analytical Techniques	National	N.Wadia College Pune	8 th - 10 th January 2008.
21	Workshop	Workshop on Smart Materials	University	DDN Bhole College, Bhusawal.	27 Sept 2008
22	Workshop	system Analysis and Design	University	DDN Bhole College, Bhusawal	4 Oct 2008
23	Workshop	Global Warming	University	Sardar Vallabhabhai Patel Arts and Sci college Ainpur	23 Dec 2008
24	Workshop	Workshop on Article writing and Publication	National	ICFAI National College Jalgaon	20 Jan 2009
25	Workshop	Workshop on T.Y.BSc chemistry Syllabus Farming	University	Jamner College, Jamner.	1st Feb 2009
26	Workshop	Workshop on New Trends in Higher Education	University	smt P.K.Kotecha Mahila Mahavidyalaya, Bhusawal	1st March 2009
27	Workshop	Celebration of International Astronomy	National	NMU Jalgaon.	25 th sept 2009
28	Conference	International Conference on RAPT 2009	International	NMU Jalgaon	28 th to 29 th Dec 2009
29	Workshop	Celebration of International Astronomy	National	NMU Jalgaon.	25 th sept 2009
30	Conference	International Conference on RAPT 2009	International	NMU Jalgaon	28 th to 29 th Dec 2009

31	Conference	NRMSD 2010	National	NMU Jalgaon	1 st to 2 nd Feb 2010
32	Workshop	Personality development program of student	University	D.D.N.Bhole college Bhusawal	28 th Dec. 2010
33	Conference	NCRAMS 2011	National	D.D.N.Bhole college Bhusawal	22 nd to 23 rd Jan. 2011
34	Conference	EIRS 2011	National	NMU Jalgaon	21 st to 22 nd Jan. 2011
35	Workshop	Student Personality Development Program	University	DDN Bhole College Bhusawal	28 th Dec 2010
36	Conference	Evaluation of drinking water quality of Hatnur water near Hatnur village Tal: Bhusawal, Dist: Jalgaon (MS)	National	NMU Jalgaon	1 st and 2 nd Feb 2010
37	Conference	Assessment of water quality of surface and ground water of Bhusawal-A CORRELATION	International	SSVPS COLLAGE Dhule	11 th - 13 th Feb 2011
38	Seminar	Environment Green Chemistry and CPM in Chemistry	University	JDMVP College Jalgaon	17 Feb 2012
39	Workshop	One Day Workshop on MSc.-II Syllabus	University	SSVPS College Dhule	16 Aug 2011
40	Workshop	Development of Sports through Schools and Colleges	University	DDN Bhole College Bhusawal	18 Aug 2011
41	Seminar	ICT For Effective Teaching and Learning	University	GDM College Jamner	14 Dec 2011

42	Conference	Biodiversity and Health Hazards in changed climate	National	G.D. Bendale College Jalgaon	12-13 Jan 2012
43	Seminar	Inovations in Chemical Sciences	University	G.D. Bendale College Jalgaon	14 Jan 2012
44	Seminar	Recent Trends in Green Chemistry	University	V.S. Naik College Raver	28 Jan 2012
45	Workshop	Framing of syllabus at F.Y.BSc.	University	GTPCollege Nandurbar	27 Mar 2012
46	Workshop	Swachhata Vactrutva Karandak Spardha-2012	University	Panchayat Samiti with DDN Bhole College Bhusawal Dist-Jalgaon	
47	Youth Festival 2012	Yuvarang	University	SPDM college Shirpur	5-8 Jan 2013
48	Workshop	Framing of Syllabus S.Y.BSc.	University	GET Arts,Comm and Sci college Nagaon, Dhule	29 Jan 2013
49	Workshop	One day workshop on T.Y.BSc. syllabus framing (Physical Chem)	University	SPDM college Shirpur	4 Dec 2013
50	Workshop	One day workshop on T.Y.BSc. syllabus framing (Analytical Chem)	University	M.J.College Jalgaon	11 Dec 2013
51	Workshop	One day workshop on MSc. Part-I syllabus framing (Physical Chem)	University	S.S.V.P.S. College Dhule	24 Jan 2014
52	Workshop	One day workshop on syllabus framing for F.Y.BSc. Chemistry	University	D.D.N.Bhole College Bhusawal	3 Jan 2015

53	Workshop	One day workshop on MSc. Part-II syllabus framing (Analytical Chem)	University	M.J.College Jalgaon	21 Jan 2015
54	Workshop	One day workshop on MSc. Part-II syllabus framing (Organic Chem)	University	S.S.V.P.S. College Dhule	2 Feb 2015
55	Workshop	Personality development camp for girls	University	D.D.N.Bhole College Bhusawal	10 Jan 2015
56	Workshop	Student Welfare officer	University	N.M.T.Patil college Marvad Amalner	28 Aug 2015
57	Workshop	One day workshop on syllabus framing for S.Y.BSc. Chemistry	University	G.T.P. College Nandurbar	16 Feb 2016
58	Workshop	One day workshop on MSc. Part-II syllabus framing for Organic I Chemistry standardize practical handbook	University	G.G. Khadse college Muktainagar	27 Feb 2016
59	workshop	One day workshop on syllabus framing for T.Y.B.sc chemistry(organic and polymer)	university	D.D.N Bhole college,Bhusawal	23-Jan 2017
60	workshop	One day workshop on syllabus framing for T.Y.B.sc chemistry(physical and analytical)	university	M.J college Jalgaon	21-Feb 2017
61	Workshop	One day workshop on syllabus framing for T.Y.B.sc chemistry(Environmental chemistry)	university	S.I Patil arts and G.B patel science college, Shahada	25-Feb 2017
62	Workshop	One day workshop on syllabus framing for M.sc chemistry(CH-290)	university	P.K Kotecha Mahila mahavidyalay Bhusawal	1-Mar 2017

Research Papers in Peer-Reviewed or UGC listed Journals

Sr. No.	Research Paper National /International	Title	Name of journal	Year of Publication	Pages (from)	Pages (To)	DOI No.
1	National	Impact of railway transportation on ambient noise Environmental	INDIAN J. ENVIRONMENTAL PROTECTION	June 2002	617	622	
2	National	Occurrence of heavy metal in tapi river water and sediments at Bhusawal region of Maharashtra	Journal of Current Sciences	2004	705	708	
3	International	Assessment of water quality of Tapi river at Bhusawal.	Orientation Journal of Chemistry	2004	341	345	
4	National	Occurrence of heavy metal in tapi river water and sediments at Bhusawal region of Maharashtra	Journal of Current Sciences	2004	705	708	
5	International	Assessment of water quality of Tapi river at Bhusawal.	Orientation Journal of Chemistry	2004	341	345	
6	International	Physico-Chemical Characteristics of drinking water quality in underground water at Bhusawal City	Current World Environment	2006	65	68	
7	International	Seasonal Variation In Ground Water Quality At South Zone Of Bhusawal Taluka, Dist. Jalgaon(Maharash	Asian Journal Of Chemical and Environmental Research	2008	43	48	
8	International	Ground water quality Assessment at Bhusawal town	Asian Journal of Chemical and Environmental Research	2008	54	58	
9	National	Effect of Idol Lord Ganesh immersion activity non physico-chemical properties of Tapi river water at Bhusawal.	Inter link research ananalysis ISSN 0976-0377	Jan 2010 to June 2010 Vol.VI Issue:1	8	14	
10	National	The Studies Of Physical Parameters on underground Water Quality of	Recent Advances In Material Synthesis And Characterization-2011	2011	163	165	

		some village of Yawal block of So					
11	National	Scope of Utilisation of Sugar Industry Effluent for Irrigation	Journal of Research and Development ISSN-2230-9578	March 2011 Vol.I Issue: 03	21	24	
12	National	Physical Parameters Variation in Ground Water Quality at Bhusawal, Taluka. Dist. Jalgaon(M.S.).	Recent Advances In Material Synthesis And Characterization-2011	2011	127	133	
13	National	Water Quality Analysis of River Tapi during Adhik Mas at Bhusawal.	Recent Advances In Material Synthesis And Characterization-2011	2011	178	181	
14	National	A Study of the noise level of Bhusawal city.	Journal of research and development ISSN-2230-9578	July 2012 Vol.II Issue:07	15	20	
15	National	Analysis of heavy metal concentration in soil around the Tapi river.	Hi-Tech Research Analysis ISSN-2231-6671	Feb 2012 to July 2012 Vol.IV Issue:III	1	6	
16	National	Study of heavy metal contamination in the sediment of Tapi river with reference to human health.	Universal Research Analysis ISSN-2229-4406	Sept 2013 to Feb 2014 Vol.IV Issue:VII	1	6	
17	International	Structural properties of $Pb_x Cd_{1-x} S$ thin films prepared by chemical bath deposition technique.	International journal of advance research ISSN 2320-5407	2014 Vol.2 Issue:6	491	493	
18	International	Optical properties of $Pb_x Cd_{1-x} S$ thin films prepared by chemical bath deposition technique.	International journal of advance scientific and technical research ISSN 2249-99-54	April 2014 Vol-2 Issue:4	858	861	
19	International	Novel synthesis of ticagrelor an anti-thrombotic agent.	Journal of chemical and pharmaceutical research ISSN:0975-7384	2015, 7(4)	1024	1031	
20	International	XRD and SEM characterisation of chemically deposited $Pb_x Cd_{1-x} S$ thin films.	Journal of applicable chemistry ISSN:2278-1862	2015, 4(4)	1227	1236	
21	International	Variation of band gap in chemically deposited $Pb_x Cd_{1-x} S$ thin films.	Pelagia research library ISSN:0976-8505	2015, 6(6)	59	65	

		x S thin films.					
22	International	Novel synthetic methodology for the synthesis of Ticagrelor.	Journal of Chemical and Pharmaceutical research ISSN:0975-7384	2016,8(1)	797	803	
23	International	The Thermodynamic studies of substituted heterocyclic compound in ethanol system in the temperature range 303 to 318 K	Global Journal for research analysis ISSN:2277-8160	Feb 2016, Vol-5 Issue:2	15	16	
24	International	Studies the effect of solvent on molar refraction and polarisability of 4-(4-benzhydryloxy-1-piperidyl)-1-(4-tert-butylphenyl)butan-1-one solution at 303 K	Journal of Medicinal Chemistry and Drug Discovery ISSN:2347-9027	Feb 2016, Vol-1 Issue:2	566	571	
25	International	Novel synthetic methodology for the synthesis of dibenzo azepines	Journal of Chemical and Pharmaceutical Research, 2016, ISSN : 0975-7384 CODEN(USA) : JCPRC5	8(4) Available online www.jocpr.com	318	326	
26	International	Novel synthetic methodology for the synthesis of Ticagrelor	Journal of Chemical and Pharmaceutical Research, 2016 ISSN : 0975-7384 CODEN(USA) : JCPRC5	2016 8(1) Available online www.jocpr.com	797	803	
27	International	Studies of stability constant of 4-(4-benzhydryloxy-1-piperidyl)-1-(4-tert-butylphenyl)butan-1-one solution at 303 K	European Journal of Biomedical and Pharmaceutical Sciences ISSN:2349-8870 Impact factor 3.881	Sept 2016 Volume-3 Issue-9	315	316	
28	International	Studies on molecular interaction on DL-TRYPTOPHAN in ethanol water mixture at 303 K	International Journal of Applied and Pure Science and Agriculture ISSN – 2394-823X Impact Factor: 3.762	Oct 2016-12-28 Volume-2 Issue-10	123	127	

29	State Level	Water quality analysis of Tapi river at Bhusawal region	RACES-2016 ISBN – 978-93-85664-35-2	Dec 8 ,2016	4	9	
30	State Level	Effect of fly ash produce on oxygen consumption rate on Thiara Lineata	RACES-2016 ISBN – 978-93-85664-35-2	Dec 8 ,2016	59	63	
31	National Conf.	Physico-chemical Studies on Tapi River Water at Bhusawal region	Biodiversity & Environmental Impact ISSN 2231-0096 (special issue) Volume-6 no-4 part III Dem-2016 Atharva publication.	24 th Dec ,2016	89	91	
32	National Conf.	Molecular characterization : A Technique to Understand the Generic Material Introduced into the Host Genome	Biodiversity & Environmental Impact ISSN 2231-0096 (special issue) Volume-6 no-4 part III Dem-2016 Atharva publication.	24 th Dec. 2016	86	88	
33	National Conf.	Impact of Pollutants and New Techniques in Water Purification Process	Journal of Medicinal Chemistry and Drug Discovery ISSN: 2347-9027 International peer reviewed Journal Special Issue Analytical Chemistry Teacher and Researchers Association National Convention/Seminar Issue 03, Vol. 02, Available online at www.jmcdd.org	8 January 2017	240	246	
34	International	Studies of Viscosity, Density and Refractive index of bicalutamide in mix solvent at 303.15 K	European Journal of Biomedical and Pharmaceutical Sciences ISSN:2349-8870 SJIF Impact factor	June 2017 Volume-4 Issue-7	409	411	

No	Title of the paper with page Nos.	Journal name with ISBN/ISSN No	Peer-Reviewed or UGC listed Journals	Impact Factor, if any (to be determined as per Thomson Reuters list)	Number of total authors	First/Principal/Corresponding author	Page No
35	Studies on Thermodynamic stability of constant of clobetasol propionate with Ce(III) complex	Journal of Applicable Chemistry ISSN-2278-1862 Aug 2018 7(5)	Peer Reviewed Journal		01	Principal	20 to 25
36	Novel compounds of Thio-Pyrimidine anthranilate and sulphonamide anthranilate derivatives with antimicrobial activities and its synthesis	Indo American journal of pharmaceutical research 2018 ISSN-2231-6876 Dec 2018 Vol-8 Issue-12	Peer Reviewed Journal		02	Guide	26 to 39
37	Assessment of Tapi river water quality at Bhusawal by physic chemical analysis	Research Journey ISSN-2348-7143 UGC Approved No.:40705 and 44117 Feb 2019 Special Issue 134	Peer Refreed Journal		02	First	40 to 45
38	Crystal structures, morphological, optical,adsorption,kynatics and photocatalytic degradation studies of activated carbon loaded BiOBr nanoplates prepared by solvothermal methods	Inorganic Chemistry Communications April 2019	Elsevier	1.795	04	Corresponding	46 to 57
39	Physico-Chemical properties of wastewater collected from different sewage sources	Research Journey ISSN-2348-7143 UGC Approved No.:40705 and 44117 March 2019 Special Issue 166	Peer Refreed Journal		01	Principal	58 to 67
40	Viscometric studies of substituted heterocyclic drug rosuvasatin at various molar concentrations at 303 K	International Journal of Multidisciplinary Educational Research ISSN-2277-7881 Vol-8 Issue-10(1) Oct 2019	Peer Reviewed and Refreed Journal		01	Principal	68 to 73

41	A review on thin films deposition techniques	Research Journey ISSN-2348-7143 February 2020 Special Issue 227	Peer Reviewed and Refreed Journal		05	Principal	74 to 79
42	Studies of stability constant of Dompridolne with transition metal ions in mixed solvents at 303 K	Research Journey ISSN-2348-7143 February 2020 Special Issue 227	Peer Reviewed and Refreed Journal		01	Principal	80 to 82
43	Water quality analysis of Tapi river	Research Journey ISSN-2348-7143 February 2020 Special Issue 227	Peer Reviewed and Refreed Journal		02	Principal	83 to 85
44	A review on organic cation sensor	Research Journey ISSN-2348-7143 February 2020 Special Issue 227	Peer Reviewed and Refreed Journal		02	Guide	86 to 91
45	Solvothermal synthesis of active carbon loaded CdS nanoflower: Boosted photodegradation of dye by adsorption and photocatalysis synergy	Chemical Physics Letter Feb 2020	Elsevier	1.901	04	Guide	92 to 102
46	Multifunctional Zn _{0.3} Al _{0.4} O _{4.5} crystals: An efficient photocatalyst for formaldehyde degradation and EBT adsorption	Arabian Journal of Chemistry	Elsevier	3.62	08	Guide	103 to 112
47	Growth , mechanism and transport properties of chemically deposited Pb _x Cd _{1-x} S thin film photoelectrical (PEC) solar cell	Optik	Elsevier	2.11	04	Guide	113 to 128
48	A mini review on organic chemosensors for cation recognisation	Journal of Fluorescence	Springer	1.850	04	Guide	129 to 169
49	Activated carbon immobilised WO ₃ nanocuboids ; Adsorption / Polycatalysis synergy for	Inorganic chemistry communication		1.790	05	Guide	170 to 178

	enhanced removal of organic pollutants		Elsevier				
50	Colorimetric off-on probe for Cu^{2+} nanomolar detection in aqueous solution	Journal of Advanced Scientific Research	Peer-Reviewed and UGC-listed Journals		07	Co-writer	179 to 186
51	Adsorption of congo red on Pb doped Fe_xO_y experimental studies and theoretical modeling via double layer statistical physical models	Water science and technology Vol 83 Issue 7 April 2021	IWA Publishing	1.638	06	Co-writer	187 to 202
52	Statistical modelling and interpretation of Sono-assisted adsorption mechanism of crystal violet dye on FeTiPbO Nano composite	Journal of molecular liquids 0167-7322 June 2021	Elsevier	6.165	08	Co-writer	203 to 208
53	N^+ -(4-(diethylamino)-2-hydroxybenzylidene) isonicotinohydrazide based chemosensor for nanomolar detection of Ni(II) ion.	International Journal of Environmental Analytical Chemistry 1080/03067319 Aug 2021	Taylor and Francis Ltd.	2.826	07	Coressponding	209 to 225
54	A photocatalyst: Zinc sulfides nanospheres immobilized on activated carbon for the abatement of aquatic organic pollutant	Inorganic chemistry communication 133(2021) 108998	Elsevier	2.495	05	Co-writer	1 to 7
55	Double layer modelling and physico chemical parameters interpretation for chromium adsorption on ZnMnOAC nano composite	Inorganic and nano-metal chemistry 1080/24701556 2022	Taylor and Francis	1.716	06	Coressponding	1 to 11
56	A colourimetric distinct colour change Cu^{II} 4- {[1-(2,5dihydroxylphenyl)ethylidene]amino}-1,5-dimethyl-2-phenyl-1,2-dihydro-3H-pyrazol-3-one Chemosensor and its Applications as a paper test kit	Journal of Fluorescence 1007/s10895-022-03034-w Dec 2022	Springer	2.217	08	Coressponding	-
57	Selective detection of Zn^{2+} ions by Ratiometric Receptor E-N-1-2,5-Dihydroxyle phenyl Ethidene Isonicotinohydrazide: A DFT Study	Natural Environment and Pollution Technology Vol-21 No-5 2022	Techno-science Publications	0.53	06	Co-writer	223 to 224 0

Presentation of Papers at Conference / Symposium / Workshop :

Sr. No.	Conference / Symposium / Workshop	Title	National / International	Place	Period
1	Conference	Environment and Health	National	Jiwaji University, Gwalior (M.P.) India.	29 - 31 Oct. 2004
2	Conference	Environment and Health	National	Jiwaji University, Gwalior (M.P.) India.	29 - 31 Oct. 2004
3	Symposium	Bioelectricity : Device and Electricity Generation from Biomass	0	D.D.N. B College, Bhusawal	18-12-2008
4	Conference	Vision of Indian Thoughts	National	DDN Bhole College Bhusawal	27 – 28 Jan 2012
5	Conference ESNRM-2012	Awareness among Urban inhabitants about waste management and its impact on environment	National	N.M.U. Jalgaon	9 -10 Jan 2012
6	Conference	Gandhiji's Satyagraha: An Analytical Approach	National	DDN Bhole College Bhusawal	17-18 Dec 2011
7	Conference	Synthesis and characterization of CdS nanocrystals using chemical precipitation method for photosensing application	National	Arts, Comm and Sci college Navapur.	6-7 Oct 2012
8	Seminar	Application of room temperature ionic liquids as green solvent for the extraction of metals	National	S.S.V.P.S. Dhule college.	6-7 Feb 2013
9	Conference	Global opportunities for the latest development in Chemistry and Technology	International	N.M.U. Jalgaon	6-8 Feb 2014
10	Seminar	Current trends in Chemistry	National	D.N.C.V.C.Jalgaon	20 Jan 2014
11	Conference	RACST-2013	National	N.M.U. Jalgaon	21 Sept 2013
12	Conference	Global Environmental Problems, It's	National	Netaji Subhashchandra Bose ACS College	22-23 Feb 2013

		Impact and solutions		Nanded (MS)	
13	Conference	Recent Advances in Chemo and Bio Sciences	National	M.J. College Jalgaon	23-24 Jan 2015
14	Conference	Recent Trends in Environmental Protection	National	P.K.Kotecha Mahila Mahavidyalaya Bhusawal	12-13 Feb 2015
15	Conference	Indian council of chemist	National	Uka Tarsadia Univercity Bardoli, Surat	26-28 Dec 2015
16	Conference	Chemical synthesis of nanomaterials and their application in environment	National	G.T.P. college Nandurbar	8-9 Feb 2016
17	Seminar	Analytical Chemistry Teachers and Researchers Association	National	Maulana Abul Kalam Azad Research centre Aurangabad	28 Feb 2016
18	Conference	Municipal solid waste disposal-A case study in Bhusawal city	National	R.C Patel arts commerce and science college, Shirpur	18-19-Jan 2017
19	Conference	Acute toxicity studies of fly ash water produced in aquatic animals	National	School of Environmental and Earth sciences, N.M.U Jalgaon	24-25-Jan 2017
20	Conference	Impact of make in India and digital India	National(inter disciplinary)	D.N.C.V.P's college of social work,Jalgaon	1-Feb2017
21	Conference	Water quality analysis of Tapi river at Bhusawal	State	Nutan Maratha college Jalgaon	8-Dec 2016
22	Conference	Assessment of physicochemical properties of water from Tapi river in Bhusawal city,Maharashtra	National	School of Environmental and Earth sciences, N.M.U Jalgaon	24-25-Jan 2017

Publications (Paper / Books / Articles / Monographs) :

Sr. No.	Paper / Book / Article / Monograph	Title	Name of Publication	National / International	Date
1	Article	Tapi river and water Pollution	Lokkalyani 3 (30)	-	2004
2	Article	Gandhiji Satyagraha:An Analytical Approach	Thoughts of Mahatma Gandhi and Pandit Nehru Prashant ISBN:978-93-81546-26-0	National	17-18 Dec 2011 Organized by D.D.N.Bhole college Bhusawal
3	Article	Pandit Jawaharlal Nehru's views on socialism	Thoughts of Mahatma Gandhi and Pandit Nehru Prashant ISBN:978-93-81546-26-0	National	17-18 Dec 2011 Organized by D.D.N.Bhole college Bhusawal
4	Article	Vision of India Thought Dr.Babasaheb Ambedkar	Ambedkarism in Literature:An evaluation of India writing in English,Hindi and Marathi Literatures ISBN:978-93-815546-35-2	National	27-28 Jan 2012 Organized by D.D.N.Bhole college Bhusawal
5	Article	Global warming and India	Amol Niyatkalik	-	2010-11 and 2011-12
6	Article	Jagatik Tapaman vadhiche avahan	Amol Niyatkalik	-	2012-13 and 2013-14

Workshop Organized :

Sr. No.	Conference / Symposium / Workshop Attended	Title	National / International	Place	Period
1	Workshop Coordinator	Career counseling and personality development	Collage level	D.D.N.Bhole college Bhusawal	21 st -22 nd Feb 2011
2	Workshop Coordinator	Syllabus framing for F.Y.BSc.	University level	D.D.N.Bhole college Bhusawal	3 rd Jan 2015
3	Workshop Coordinator	Syllabus framing for T.Y.BSc.	University level	D.D.N.Bhole college Bhusawal	Jan 2016
4	Workshop Coordinator	Syllabus framing for MSc II Analytical Chemistry	University level	D.D.N.Bhole college Bhusawal	30 Aril 2022

Publications (Paper / Books / Articles / Monographs) :

Sr. No.	Book	Title	Name of Publication	National / International	Date
1	Text Book	CH-334 Analytical Chemistry T.Y.BSc Sem-I(Paper IV)	Vrinda Publication	ISBN:81-7815-004-2	June 2011
2	Text Book	CH-344 Analytical Chemistry T.Y.BSc Sem-II(Paper IV)	Vrinda Publication	ISBN:81-7815-073-5	June 2011
3	Text Book	Chemistry Practical for F.Y.BSc	Vrinda Publication	ISBN:81-7815-017-4	June 2012
4	Text Book (F.Y.BSc)	Organic and Inorganic Chemistry CH-121 Paper-I Sem-I	Vrinda Publication	ISBN-81-7815-018-2	June 2012
5	Text Book (F.Y.BSc)	Organic and Inorganic Chemistry CH-122 Paper-II Sem-II	Vrinda Publication	ISBN-81-7815-050-6	June 2012
6	Text Book (S.Y.BSC)	Organic and Analytical Chemistry CH-232 Paper-II Sem-I	Vrinda Publication		June 2013
7	Text Book (S.Y.BSC)	Chemistry Practical	Vrinda Publication		June 2013
8	Text Book	CH-354 Analytical Chemistry T.Y.BSc Sem-I(Paper IV)	Vrinda Publication		June 2014
9	Text Book	CH-364 Analytical Chemistry T.Y.BSc Sem-II(Paper IV)	Vrinda Publication	ISBN:978-81-930-562-4-0	June 2014
10	Text Book	CH-356(B)Environmental Chemistry T.Y.BSCSem-I Paper-VI	Vrinda Publication	ISBN:978-93-85028-26-7	June 2014
11	Text Book	Chemistry Practical for F.Y.BSc	Vrinda Publication	ISBN:978-93-85028-32-8	June 2015
12	Text Book (F.Y.BSc)	Organic and Inorganic Chemistry CH-112 Paper-II Sem-I	Vrinda Publication	ISBN-978-93-85028-34-2	June 2015
13	Text Book (F.Y.BSc)	Organic and Inorganic Chemistry CH-122 Paper-II Sem-II	Vrinda Publication	ISBN-978-93-85028-60-1	June 2015
14	Text Book (S.Y.BSC)	Organic and Analytical Chemistry CH-232 Paper-II Sem-I	Vrinda Publication	ISBN-978-93-85028-69-4	June 2016
15	Text Book (S.Y.BSC)	Chemistry Practical CH-233,243	Vrinda Publication	ISBN-978-93-85028-68-7	June 2016
16	Text Book (S.Y.BSC)	Organic and Analytical Chemistry CH-242 Paper-II Sem-I	Vrinda Publication	ISBN-978-93-85028-86-1	June 2016
17	Text Book	CH-354 Analytical Chemistry T.Y.BSc Sem-I(Paper IV)	Prashant Publication	ISBN:978-93-84228-42-2	June 2017
18	Text Book	F.Y.B.Sc.Organic and Inorganic Chemistry CH-102	Vrinda Publication	ISBN:978-93-85027-90-1	June 2018
19	Text Book	F.Y.B.Sc.Chemistry	Vrinda Publication	ISBN:978-93-85027-	June 2018

		Practical CH-103 Sem-I & II		91-8	
20	Text Book	F.Y.B.Sc.Chemistry Practical CH-203 Sem I & II	Vrinda Publication	ISBN:978-81-93924-12-9	June 2018
21	Text Book	S.Y.B.Sc. CH-303-403 Sem-III & IV Practical Chemistry	Prashant Publication	ISBN:978-93-88769-88-4	June 2019
22	Text Book	Physical and Inorganic Chemistry-I, Paper- I, Sem-I	Made in USA Lexington, KY	ISBN:9781707449286	Dec 2019
23	Text Book	Advance Analytical Chemistry, CH-404, Sem- IV	Made in USA Lexington, KY	ISBN:9781704193045	Dec 2019
24	Text Book	Basic Analytical Chemistry CH-304, Sem-I	Made in USA Lexington, KY	ISBN:9781696146227	Dec 2019
25	Text Book	Analytical instrumentation T.Y.B.Sc, SEM V, CH 505	Prashant Publication	ISBN:978-93-89501-86-5	June 2020
26	Text Book	Analytical techniques T.Y.B.Sc SEM VI CH 605	Prashant Publication	ISBN:978-93-90483-72-3	June 2020

Research Students :

Sr.No.	Student name	Date of Registration	Registration No.	Topic of Reaserch	Status
1	Nitin Ashok Shimpi	22/02/2011	NMU/11/Ph.D/Chem/265/2011 (Form No.-210302203003)	Synthesis, Characterisation and Biological evaluation of compound derived from substituted Anthranilic acid	Ph.D. Degree Awarded
2	Kiran Eknath Suryavanshi	20/01/2012	NMU/11/Ph.D/Chem/292/2012 (Form No.-211302203803)	Preparation, Characterisation and Applications of PbCdS thin films	Ph.D. Degree Awarded
3	Sudhakar Pralhad Mote	Jan 2008	YCMO University, Nashik	Analysis of ground water quality in Varangaon region Dist: Maharashtra	M.Phil. Awarded
4	Kanhaiyalal Subhash Bhavsar	06/05/2013	NMU/11/Ph.D/Chem/49/2013 (Form No.-Ph.D-2012-2N789Q)	Study of Photocatalytic Degradation of Organic Using Activated Carbon Loaded Nano Photocatalyst	Ph.D Degree Awarded
5	Ms. Nilima Subhash Patil	22/05/2018	KBCNMU/11/Ph.D/Chem/1059/2018 (Form No.-PHD-2017-P0Y2GM)	Synthesis, Characterization and Application of Organic Sensor for Selective and Sensitive Sensing of CatiPHDons	Ph.D Degree Awarded

Awards / Recognitions received by faculty and students:

Faculty Name	Awards/Recognitions	Remark
Dr. R. B. Dhake	Ph.D and P.G. Recognition by N.M.U. Jalgaon	Approval No. NMU/11/PGR/Chem/901/2015 Dated 07/05/2015

Member of University Bodies

- 1)Board of Studies for Chemistry
- 2)Work as LIC Mamber appointed by N.M.U Jalgaon to Mhasdi college 5 March 2012.
- 3)Work as LIC Mamber appointed by N.M.U Jalgaon to ASC college Kusumbe 3 Aug 2013.
- 4)Work as LIC Mamber appointed by N.M.U Jalgaon to ASC Bodwad college 30 Jan 2014.
- 5)Work as LIC Mamber appointed by N.M.U Jalgaon to SPDM college Shirpur 21 March 2014
- 6)Work as LIC Mamber appointed by N.M.U Jalgaon to ASC college Dhadgaon 02/06/2015.
- 7)Work as LIC Mamber appointed by N.M.U Jalgaon to ASC college Sakri 20/05/2015.

Community work such as National integration:

- 1)Polling Officer No.-1 for Jilha Parishad and Panchayat samiti, Dated 11/03/2007.
- 2) Presiding Officer for Parliamentary election, Dated 07/04/2007.
- 3) Appointed as Polling Officer No.3 for Parliament Election at Jalgaon dated 22/04/2009.
- 4) Appointed as Polling Officer No.3 for Parliament Election at Jalgaon dated 01/10/2009.
- 5) Supervisor for Janaganana for Prabhag 296-1,297-1,2,3 appointed by Bhusawal Municipal corporation.(2010-11)
- 6) Supervisor for 6th Arthik Janaganana for Prabhag 296-1,297-1,2,3 appointed by Bhusawal Municipal corporation (2013-14).
- 7) Presiding officer for Loksabha at muktainagar 23/04/2014 (2013-14).
- 8) Presiding officer for Vidhansabha at Jalgaon 15/10/2014 (2014-15).
- 9) Presiding officer for Gram Panchayat at Mahadevmala Tal:Bhusawal (2015-16).
- 10) Presiding officer for Nagarpalika at Bhusawal (26/10/2016).
- 11) Presiding officer for Jilhaparishad and Panchayat Samiti (24/1/2017).

Co curricular activities

- 1)Work as T.Y.BSc. paper setter chairman for Environmental Chemistry.
- 2) Work as T.Y.BSc.paper setter for Analytical Chemistry.
- 3)Work as M.Sc.-I paper setter for General Chemistry.

- 4) Work as M.Sc.-II paper setter for Analytical Chemistry.
- 5) Work as S.Y.BSc. practical chairman.
- 6) Work as Evaluation of theory paper for U.G. and P.G.
- 7) Work as Chairman for M.Phil. viva.
- 8) Work as Chairman for previous submission of thesis.
- 9) Work as subject expert for API.
- 10) Work as Flying Squad member for examination.
- 11) Working as a Jr/Sr. supervisor, examiner in university examinations.

Academic committees:

- 1) Chairman of Admission Committee.
- 2) Chairman of Time Table Committee.
- 3) Chairman Guidance Counselling and Placement Cell
- 4) Coordinator: Environmental Studies.
- 5) Chairman of U. G. C. Committee of criteria III.
- 6) Member of IQAC committee.
- 7) Student Welfare officer.
- 8) Member of Gathering Committee.
- 9) NSS Program officer from academic year 2022 and 2023.

Student welfare and discipline:

1. Deliver the guests Lectures on college winter N. S. S Camps .
2. Article writing in the college magazine.
3. Participated in Rally of AID's awareness.
4. Participation in Puls Polio rally.
5. Participation in Sadbhavana rally.
6. Participation in Mahatma Gandhi rally.
7. Participation in Tapi river "Janma Utsav".
8. Participation in Blood Donation Camp in college.

Participated in College and University Activities:

1. Working as a Chairman for paper setting of General Chemistry CH-290 for MSc. Part-I theory paper 17/09/2018.
2. Working as paper setter for MSc-II Analytical Chemistry Dated 07/09/2018.
3. Working in Redressal of University exam paper.
4. Celebrating Environmental Day at D.D.N.Bhole college Bhusawal dated 5 June 2018.
5. International Yoga Day dated 21 June 2018 at D.D.N.Bhole college Bhusawal.
6. Workshop on Choice based credit system held on July 7 2018 at D.D.N.Bhole college Bhusawal.
7. Participated in Tapi Janmotsav on Tapi river bank at 19 July 2018.
8. Workshop on Choice based credit system held on Aug 3 2018 at P.O.Nahata college Bhusawal

9. Mahatma Gandhi Rally D.D.N.Bhole college Bhusawal dated 2 Oct. 2018.
10. Work in Poem reading competition at 10 Sep 2018 at D.D.N.Bhole college Bhusawal.
11. Lecture attended on Anti-corruption Abhiyan at D.D.N.Bhole college Bhusawal 28 Oct 2018.
12. Second CABCI info day at P.O.Nahata college Bhusawal 2 Nov 2018
13. National conference on Recent intelligence in material science and biomedical sciences 5,6 Jan 2019 at K.Narkhede college Bhusawal.
14. Workshop on impact of increase in Global Warming at D.D.N.Bhole college Bhusawal dated 22 Feb 2019.
15. Working in CAP of college as well as KBCNMU exam in Sem-I and II.
16. Workshop on restructuring of syllabus in chemistry at S.Y.BSc. dated 23 Feb 2019 at SPN Deshmukh ASC college Bhadgaon.
17. Celebrating Science Day at D.D.N.Bhole college Bhusawal.
18. Work as Preciding Officer for Loksabha Election.
19. Work as Internal and External Examiner for F.Y., S.Y. and T.Y. and PG Practical Exam in Sem I and II.
20. Work as Junior Supervisor for KBCNMU Exam in Sem I and II.
21. Arrange the lecture of Ulhas Pawar of Spectrum Academy for student for competitive exam dated 09/10/2018 under currier counselling and guidance.
22. Arrange the lecture of Chetan Talele on scholarship for Foreign studies dated 10/10/2018 under currier counselling and guidance.
23. Arrange the lecture of Vanshika Khobragade for currier guidance on dated 24/09/2018 under currier counselling and guidance.
24. Arrange the Industrial Visit for UG and PG student at Madhukar Sugar factory Faizpur dated 28/02/2019.
25. Working as a member in Pre submission Presentation on 26/07/2018.
26. Working as a member in Pre submission Presentation on 31/10/2018.
27. Working as a member in Pre submission Presentation on 29/10/2018.
28. Work as Organising Secretary for National Conference on Recent Trends and Inovations in Chemical Sciences held on 3rd Jan 2020.
29. Work as college team leader for Avishkar on 30 Dec 2019.
30. Work as Student Welfare Officer from academic year 2019-2020.
31. Working as a Chairman for paper setting of General Chemistry CH-290 for MSc. Part-I theory paper 23/08/2019.
32. Working as paper setter for MSc-II Analytical Chemistry Dated 23/08/2019.
33. International Yoga Day dated 21 June 2019 at D.D.N.Bhole college Bhusawal.
34. Mahatma Gandhi Rally D.D.N.Bhole college Bhusawal dated 2 Oct. 2019.
35. Arrange campus interview with Eureka Forbes dated 21 Aug 2019.
36. Tree plantation dated 7 July 2019.
37. Swayam Siddha Karyashala for girls in D.D.N.Bhole college Bhusawal dated 16 to 24 Sep 2019.
38. Fit India 29 Aug 2019 Sports Day.
39. Arrange workshop on Animation Training at D.D.N.Bhole college Bhusawal dated 24 Sep 2019.
40. Vyaktimatva Vikas Shala
41. Yuvati Sabha under Girl's Personality Development workshop in D.D.N.Bhole college Bhusawal dated 10 Jan 2020
42. Industrial visit at M.I.D.C. Bhusawal for MSc. and BSc. student dated 13 Feb 2020
43. Work as Preciding Officer for Vidhan Sabha Election
44. Work as Preciding Officer for Nagarpalika Election.

45. Work as Internal and External Examiner for F.Y., S.Y. and T.Y. and PG Practical Exam in Sem I and II.
46. Work as Junior Supervisor for KBCNMU Exam in Sem I and II.
47. Arrange the Industrial Visit for UG and PG student at Madhukar Sugar factory Faizpur dated 28/02/2019.
48. Working as a member in Pre submission Presentation on 19/08/2019.
49. Work as coordinator for one day national webinar on Advances in Spectral Analysis and Nano Technology for Chemical and Physical sciences dated 2 July 2020 at D.D.N.Bhole college Bhusawal.
50. Work as Ph.D Viva-Voce Chairman dated 30/04/2021.
51. Participated in under Mission Begin Again Work Shop on Vistar Programe at 8 Jan 2021.
52. Work as a coordinator for one day college Online Webinar on Intellectual Property Right (IPR) dated 17/02/2021.
53. Work as Internal Senior Supervisor for University Exam during 21/10/2020 to 11/11/2020.
54. Work as a Paper Setter for Environmental Setting.
55. Work as Internal and External Examiner for F.Y., S.Y. and T.Y. Practical Exam.
56. Work as Junior Supervisor for University Exam.
57. Participated in many various online Webinars.
58. Present for Interview for CAS of Associate Prof. to Level 10 to 11 dated 29/10/2020 at D.N. college Jalgaon.
59. Work as coordinator for one day national webinar on Advances in Spectral Analysis and Nano Technology for Chemical and Physical sciences dated 2 July 2020 at D.D.N.Bhole college Bhusawal.
60. Participated in under Mission Begin Again Work Shop on Vistar Programe at 8 Jan 2021.
61. Work as a coordinator for one day college Online Webinar on Intellectual Property Right (IPR) dated 17/02/2021.
62. Work as Internal Senior Supervisor for University Exam during 21/10/2020 to 11/11/2020.
63. Work as a Paper Setter for Environmental Setting.
64. Work as Internal and External Examiner for F.Y., S.Y. and T.Y. Practical Exam.
65. Work as Junior Supervisor for University Exam.
66. Participated in many various online Webinars.
67. Working as a Chairman for Ph.D Viva-voce committee on 13/07/2021.
68. Working as a member in Pre submission Presentation on 21/07/2022.
69. Work as LIC member at H.J.Thim college Arts and Science on 30 June 2022.
70. Work as coordinator for "Police Padachi Bharti Pariksha" on 09/10/2021.
71. Work as coordinator for CAS for stage 1 to 2 and stage 2 to 3 on 21/12/2021.
72. Working as a Chairman for paper setting of General Chemistry CH-290 for MSc. Part-I theory paper 14/07/2021.
73. Work as coordinator for MSc II Analytical Chemistry for Restructuring of syllabi.
74. Participated in restructuring of syllabus of S.Y.BSc in Chemistry at Yawal college on 1st April 2022.
75. Work in managing committee of "Pratibha sangam 2022" on 23 Jan 2022.
76. Participated in "Personality Development Programme" organised by our college on 28/02/2022.
77. Work as programme officer for NSS.
78. Coordinator for Rojgar Melava for Student Dated 24 Sep 2022.
79. Work as a coordinator for one day college Online Webinar on Intellectual Property Right (IPR) dated 12/03/2023.
80. Work as Internal Senior Supervisor for University Exam during 21/10/2020 to 11/11/2020.

81. Work as LIC Member for MSc Organic Chemistry at S.G.Patil college Sakri on 8 Dec 2022.
82. Work as Internal and External Examiner for F.Y., S.Y. and T.Y. and PG Practical Exam in Sem I and II.
83. Work as Junior Supervisor for KBCNMU Exam in Sem I and II.
84. Coordinator for workshop on the occasion of Azadi ka Amrut Mohotsav Dated on 13/10/2022.
85. Working as a member in committee of Pre submission Presentation of the thesis.
86. Participated in Association of Chemistry teacher arranged one day seminar on NEP 2020 dated 11 Sep 2022.
87. Work as a committee member in 5 km Marathon on the occasion of Azadi ka Amrut Mohotsav Dated on 29/08/2022.
88. Participated in one day workshop of NSS arranged by Art,comm. And Sci college Bodwad dated 27/08/2022.
89. Work as CAP coordinator for University exam in Sem-I and II.
90. Work as coordinator for online paper downloading for PG exam to KBCNMU Jalgaon for Sem-I and II.
91. Work as Chairman to conduct PhD Viva-Voce.
92. Arrange the industrial visit for UG and PG student.
93. Participated in one day webinar on National Science day dated 4 Mar 2023.
94. Participated in one day National Webinar on Marathi Gaurav Divas dated 03/03/2023.
95. Work in Flying Squad member for KBCNMU exam during 01/12/2022 to 10/12/2022.
96. Working in CAP of college as well as KBCNMU exam in Sem-I and II.
97. Working as a member in committee of Pre submission Presentation of the thesis.

Membership of professional bodies:

Life member of Association of Chemistry Teacher (ACT) KBCNMU, Jalgaon.

Prof. (Dr.) R. B .Dhake
Chemistry Department
D. D. N. Bhole college, Bhusawal