

Rayat Shikshan Sanstha's  
Karmaveer Bhaurao Patil College Vashi  
Navi Mumbai , Dist – Thane (Maharashtra)



## FACULTY PROFILE

- Name of the Faculty : Dr. Gurumeet C. Wadhawa
- Name of the Department: Chemistry
- Educational Qualification: M.Sc. PET., SET., Ph.D.
- Designation : Asst. Prof.
- Address for Correspondence :Department of Chemistry,  
Karmaveer Bhaurao Patil College, Vashi,  
Vashi, Navi Mumbai Pin-410307
- Telephone No. (Office) : 02222881210
- Contact Number 9766190686
- Email Address :[wadhava.gurumeet@gmail.com](mailto:wadhava.gurumeet@gmail.com)
- Specialization : Organic Chemistry
- Date of Birth : 25/08/1981
- Sex : Male
- Marital Status : Married
- Date of Appointment : 01/02/2013
- In this College :16/06/2016
- University Approval No: CONCOL/SA/51231 Date: 21<sup>st</sup> June. 2013
- PG Recognition Ref. No: PG /ICD/2018-19/1123 22 oct.2018 by research
- Ph.D. Guide Registration :PG/ICD/2019-20/1880 4<sup>th</sup> jan.2020
- PG Recognition Ref. No:PG/ICD/2019-20/560 by paper
- JJTU Guide Registration : JJTU/R&D/GRL/5299 12 June 2019
- Nationality : Indian
- Courses Taught : B.Sc.Chemistry I, II, III,&M.Sc. I &II (Organic& Analytical  
Chemistry (List Attached)
- Total Teaching experience : 13 Years
- Research Experience : 15 Years
- Research Paper Published : International-67 National-18 State- 0 Total-85
- Seminar Proceeding Book Edited : 17

## 2. EDUCATIONAL QUALIFICATION:

Examination	Subject	Year of Passing	Percentage of Marks	University /Board
S.S.C	-	1997	66.66	Pune
H.S.C.	-	1999	68.66	Pune
B.Sc.	Chemistry	2002	69.00	Pune University
M.Sc.	Chemistry	2004	68.66	Pune University
PET	Chemistry	2010	70.00	Pune University
SET	Chemistry	2005	Qualified	Pune University UGC, New Delhi
Ph.D.	Chemistry	2019	First Class	Dr.Babasaheb Ambedkar Marathwada University ,Aurangabad
MS-CIT	Computer	July 2019	84.00	Mumbai

## 3. TEACHING EXPERIENCE : 13 Years

Sr. No.	Name of the college	University	Designation	Status	Classes Taught	From	To
1	RBNB College Shrirampur	S.P. Uni. Pune	Lecturer	CHB	B.Sc. M.Sc.	16/06/07	31/01/2013
4	K.B.P College, Vashi, Navi Mumbai	Mumbai	Asst. Professor	Full-Time	B.Sc. M.Sc	01/02/2013	28/06/2013
5	RBNB College Shrirampur	S.P. Uni. Pune	Asst. Professor	Full-Time	B.A.	28/06/2013	16/06/2016
6	K.B.P College, Vashi, Navi Mumbai	Mumbai	Asst. Professor	Full-Time	B.A.	16/06/2016	Till Date

#### 4. ACADEMIC IMPROVEMENT

##### Orientation/ Refresher Course Attended:

Sr. No.	Name of the Course	Place	From	To	Duration	Grade	Sponsored By
1	Orientation Course	Mumbai University	25/05/17	21/06/17	28 Days	“B”	UGC
2	Refresher Course	Central University GGU	11/06/18	30/06/18	21 Days	“A”	UGC
3	Refresher Course	Online Refresher Program	12/06/19	22/03/20 20	Online	“A”	UGC
4							

#### 5. RESEARCH PROJECT

##### Minor Research Projects:

Project	Title of the Project	Position held	Duration	Funding Agency	Grant	Particulars
Minor Research Project	Synthesis of Novel Antituberculosis Agents Using Flow Chemistry	Principal Investigator	1 Years	Mumbai University	25,000/-	Ongoing
Minor Research Project	Green Synthesis of Besndamustin Hydrochloride	Principal Investigator	1 Years	Clean Chem Pharma Rabale, Mumbai	1,00000/-	Completed

## 6. BOOK PUBLISHED/EDITED

- ✚ **Edited Seminar Proceeding** entitled „Research in organic synthesis in colleges and in industry 14 -16 February 2012.
- ✚ **Edited Seminar Proceeding** entitled Interface Between Colleges and industry with reference to Synthetic Organic Chemistry and Spectroscopy
- ✚ **Edited Seminar Proceeding** IQAC and Research promotion and Ethics Committee Research Scholar Meet -2016 ,23 January 2017
- ✚ **Edited Seminar Proceeding** Green Approaches in synthetic chemistry 27 Feb.2017
- ✚ **Edited Seminar Proceeding** Nanotechnology Research Industry and College ,(NRIC-2019) ,25 Feb.2019
- ✚ **Edited Seminar Proceeding** Disruptive Technology In Shaping the future with New Innovation (DTSFNI -2020) 5 and 6 March 2020
- ✚ **Edited Refresher Proceeding** Synthetic and Natural Products :Chemical and Medicine Aspects 11 June to 30 June 2018
- ✚ **DBT Practical Book** T.Y.B.Sc. Chemistry Students December 2018
- ✚ **Edited Seminar Proceeding** Innovation For Sustainable Development Souvenir **29-31 December 2018**
- ✚ **Edited Seminar Proceeding** Innovation For Sustainable Development Abstract Book **29-31 December 2018**
- ✚ **Edited Seminar Proceeding** Innovation For Sustainable Development Research Paper Book **29-31 December 2018**
- ✚ **Edited Year Magazine Proceeding** Purtee Year 2013-14
- ✚ **Edited Year Magazine Proceeding** Purtee Year 2014-15
- ✚ **Edited Year Magazine Proceeding** Purtee Year 2015-16
- ✚ **Edited Year Magazine Proceeding** Modern Ace Year 2017-18
- ✚ **Edited Year Magazine Proceeding** Modern Ace Year 2018-19

## 7. AWARDS

### FDP (Faculty Development Programme):

Sr. No.	Title of the Ph.D. Thesis	University	Funding Agency	Duration	Particulars'
01	Green Protocol for synthesis of Benzimidazole Derivatives and their Biological study	Dr.Babasaheb Ambedkar Marathwada University Aurangabad	Self	26/06/2012 to 31/05/2018	Awarded 09/05/2019

## 7. AWARDS

Sr. No.	Award	Status	Govt/Non-Govt	Particulars'
1	Best paper presentation II Prize	National conference KBP College Pandharpur 2011	Bentonite clay catalysed reactions	December 10 & 11, 2011
2	Best paper presentation I Prize	National conference savarkar college beed 2011	One pot synthesis of betaacetamido ketones	December 29 & 30, 2011
3	Best Poster presentation III Prize	National conference Dhonde College Kada 2012	Synthesis of trizole derivatives	December 21 & 22, 2012
4	Best paper presentation II Prize	National conference R.B.N.B College Shrirampur 2012	Synthesis of substituted derivate using green approach	February 14 & 15, 2012
5	Best paper presentation Consolation Prize	National conferece ACS Colllege Rahata 2015	Synthesis of benzopines using green route	February 13 & 14, 2015
6	Best paper presentation II Prize	International conference Sangamner 2015	Synthesis of nanoparticles and applicaton in synthesis of heterocyclic compounds	February 12 & 13, 2016
7	Best paper presentation III Prize	National conference R.B.N.B College Shrirampur 2016	Use of boric acid as catalyst in synthesis of complex benzimidazole derivatives.	January 16, 2016
8	Best paper presentation I Prize	National conference Dadapatil Mahavidalaya Karjat 2013	Coppersulphate catalysed synthesis of betaacetamido-ketones and their derivaties	March 14 & 15, 2013
9.	Research Contribution	IQAC ,Karmaveer Bhaurao Patil College, Vashi	Best Research Contribution	2015-16
10	Academic Contribution	IQAC ,Karmaveer Bhaurao Patil College, Vashi	Best Academic Contribution	2015-16
11	Best Paper Presentation	IQAC ,Karmaveer Bhaurao Patil College, Vashi	Best Research Contribution	2016-17
12	Ph.D. completion	IQAC ,Karmaveer Bhaurao Patil	Ph.D.	2018-19

		College, Vashi		
13	Best paper presentation III Prize	National conference Dhonde College Kada 2019	One pot four Comp. Synthesis using Dakin West reaction	17 March 2019
14	Best paper presentation III Prize	National conference Newasa College Kada 2019	One pot Synthesis of Benzimidazole	16-17 January 2017
15	Best paper presentation II Prize	National conference Rajur College Rajur 2019	Antibacterial and Antioxidant activity of Plant	06-07 February 2017
16	Pune University Avishkar Competition	Zonal Level	Avishkar Competition	22 December 2009
17	Pune University Avishkar Competition	University Level	Avishkar Competition	30-31 December 2009
18	Pune University Avishkar Competition	Zonal Level	Avishkar Competition	06 December 2012
19	Pune University Avishkar Competition	Zonal Level	Avishkar Competition	16 December 2013
20	Pune University Avishkar Competition	Zonal Level	Avishkar Competition	02 January 2014
21	Pune University Avishkar Competition	Zonal Level	Avishkar Competition	29 September 2014
22	Best Local Chapter Swyam Award	UGC Swyam	June –December 2019	January 2020
23				

## 8. RESEARCH PAPER PUBLICATIONS

### Research Paper Published in International Journals

Sr. No.	Title of Research Paper	Vol./Issue/ Page No.	Journal Name	Publication Mode	ISSN/IS BN	Peer Review ed/ Impact Factor
1	Diuretic Activity of Root and Bark of ErithrinaIndica Lam	2011 Vol-2(7), 1811-1813	International International Journal of Pharma	Print & Web	0975 8232	Peer Review ed

			Research.			
2	Antibacterial and antioxidant study of <i>Ocimum basilicum</i> (Sweet basil)	2011 Vol-2: 104-112,(2011)	International JAPER , Journal of Advanced Pharmacy Education and Research	Print & Web	2249-3379	Peer Reviewed
3	Anti diabetic activity of bark and root of <i>Cesalpinia Bonduelle</i>	2011 Vol. 2(10), 2750-2752	International Journal of Pharma Research.	Print & Web	0975 8232	Peer Reviewed
4	Green Synthesis of 3,4-dihydropyrimidinone using ferrous sulphate as recyclable catalyst.	2011 Vol-1:6, 172-174.	International Journal of Pharmaceutical research and Opinion JPRO	Print & Web	2249-1953	Peer Reviewed
5	Anti oxidant effect of stem and leaves of <i>Hibiscus esculentus</i> Linn	2011 Vol. 2(14) 748-750	International IJPSR	Print & Web	975-823 2	Peer Reviewed
6	Antimicrobial Activity of Methanolic extract from rhizome and roots of <i>Valeriana wallichii</i>	2011 Vol-2(3), 107-111	International IJPBR	Print & Web	2320 9267	Peer Reviewed
7	One pot synthesis of nitrile from aldehyde and hydroxylamine hydrochloride using ferrous sulphate in DMF under reflux condition	2012 Vol 24 No. 3, 1401-1402.	International Asian journal of chemistry	Print & Web	0970-7077	Peer Reviewed
8	One pot conversion of alcohol to amine using sodium azide with zinc and zinc chloride	2012 Vol-1:6 (2011), 170-171	International Journal of Pharmaceutical research and Opinion JPRO	Print & Web	2249-1953	Peer Reviewed
9	One pot conversion of alcohol to amine using sodium azide with zinc and zinc chloride	2011, 558-561 96-97	International Journal of Pharmaceutical research and Opinion JPRO	Print & Web	issn: 2277 5005	Peer Reviewed

10	Facile regeneration of carbonyl compounds from 2,4-dinitrophenylhydrazones, Oxime, Hydrazones, and Semicarbazone (2011).	2012 Vol-8(5) 123-127	Organic Chemistry: An Indian Journal	Print & Web	ISSN 974-7516	Peer Reviewed
11	Synthesis and screening of antimicrobial activity of N-(3-cyano-6-phenothiazine-10-yl-4-phenyl-pyridine-2-yl) acetamide Derivatives	2012 Vol-8(5) 201-209	Organic Chemistry: An Indian Journal International	Print & Web	ISSN 974-7516	Peer Reviewed
12	Anhydrous Zinc sulphate as an efficient and eco-friendly catalyst for the one-pot multicomponent synthesis of beta-acetamido ketones under mild and heterogeneous conditions and their microbial study.	2012 Vol-1(3), (2011) 22-29	International IJPLS	Print & Web	2249-6807	Peer Reviewed
13	Antioxidant effect of stem and leaves of erythrina indica Lam. Online, (2011).	2011 Vol-1(3) 30-35	International IJPLS	Print & Web	2249-6807	Peer Reviewed
14	Antimicrobial activity of methanolic extract from Tridax procumbens Leaves	2009 Vol-5(4) 220-222	Natural product: An Indian Journal	Print & Web	ISSN 974-7517	Peer Reviewed
15	Ionic liquid catalyzed synthesis of 3,4-dihydropyrimidone	2010 Vol-4(6) 56-59	Organic Chemistry: An Indian Journal	Print & Web	ISSN 974-7516	Peer Reviewed
16	Antibacterial Activity of methanolic extract from pod, root and bark of Delonix regia plant	2010 Vol-5(4) 220-222	Natural product: An Indian Journal	Print & Web	ISSN 974-7517	Peer Reviewed
17	Antibacterial, antioxidant, anti-inflammatory study of leaves and bark of Cassia fistula	Int J Pharma 2012 Vol-2(1), (2012), 401-405	Int J Pharma	Print & Web	ISSN 2249-1848	Peer Reviewed
18	One-pot synthesis of nitriles from aldehydes and hydroxylamine hydrochloride using zinc sulphate in DMF under reflux conditions	Vol 3 issue 1 592-596	Wjpps	Print & Web	ISSN 2278-4357	SJIF 6.18



19	Zinc sulphate catalyzed 2-aryl benzimidazole under sonication	2013 Vol-1 (01): Page 55-56	URJC	Print & Web	Issn 2249-7692	Peer Reviewed
20	Antibacterial and antioxidant antiinflammatory study of leaves and roots of <i>Delonix regia</i>	2277-5005 2013 Vol-1(2) 131-135	IJPCS	Print & Web	Issn 2277-5005	Peer Reviewed
21	Antibacterial, antioxidant, antiinflammatory study of leaves and bark of <i>Anthocephalus cadamba</i>	2320-303x 2013 Vol-2 (06): Page 38-42	UJP	Print & Web	Issn 2320-303x	Peer Reviewed
22	sodium sulphate as mild and versatile catalyst for the rapid synthesis of $\beta$ -acetamido ketones and ketoesters via a three component reaction	2347-3614 2013, 01 (03): Page 45-47	UJPB	Print & Web	ISSN NO. 2347-3614	Peer Reviewed
23	antibacterial, antioxidant and anti-inflammatory studies of leaves and roots of <i>solanum xanthocarpum</i>	2013, 01 (03): Page 59-63	UJAHM	Print & Web	ISSN: 2347-2375	Peer Reviewed
24	antioxidant effect of the stem and leaves of <i>erythrina indica</i> linn	November-December 2013 3(6): PAGES16-20	International Journal of Universal Pharmacy and Life Sciences	Print & Web	ISSN NO. 2249-6793	Peer Reviewed
25	facile regeneration of carbonyl compounds from 2, 4-dinitrophenylhydrazones, oxime, hydrazones, and semicarbazones	November-December 2013(6): 215-219	International Journal of Universal Pharmacy and Life Sciences	Print & Web	ISBN NO2249-6793	Peer Reviewed
26	one pot synthesis of nitriles from aldehydes and hydroxylamine hydrochloride using zinc sulphate in dmf under reflux condition	2013, 02 (06): Page 102-103 2320-302X	UJP	Print & Web	ISSN NO. 2320-302X	Peer Reviewed
27	Magnesium Sulphate Catalysed synthesis of 2-aryl benzimidazoles under sonication	2013, 01 (01): page 91-92 2348-232X	urjc	Print & Web UGC Approved	ISSN NO. 2348-232X	Peer Reviewed
28	A mild Efficient Synthesis Of Benzimidazole by using Zinc Acetate Solvent Free Condition	2320-303 X 02(06)83-84	Universal Journal of pharmacy	Web	ISSN: 2249-6793	Peer Reviewed

29	Antioxidant effect of stem and leaves of piper bettle	. 2249-7692 2014 Vol4(2), 2014 73-75	International Journal of Pharmacy	Web	Issn 2249- 7692	Peer Review ed
30	Antibacterial antioxidant study of leaves of phyllanthusamrus	0971-6920 2015 Vol 20(1)120-122	Flora and fauna	Print	Issn 0971- 6920	Peer Review ed
31	one pot synthesis of nitriles from aldehydes and hydroxylamine hydrochloride using sodium sulphate in dmf under reflux condition	2278 – 4357 2014 Vol 3, Issue 1, 592-596	World journal of pharmacy and pharmaceutical sciences	Print	Issn 2278 – 4357	Peer Review ed
32	Bentonite clay in green synthesis of betaacetaamido ketones	Issn 0974-0678 Vol 1 issue1389-95	Bionanofrontiers	Print  UGC Approved	Issn 0974- 0678	Peer Review ed
33	Antioxidant effect of leaves of arbrous precarious	Bionanofrontiers Issn 0974-0678 Vol 8 issue 3 25-26	Bionanofrontiers	Print  UGC Approved	Issn 0974- 0678	Peer Review ed
34	Mild efficient synthesis of benzimidazoles using Bentonite clay	Issn 0974-0678 Vol 8 issue 3 140-142	Bionanofrontiers I	Web  UGC Approved	Issn 0974- 0678	Peer Review ed  6.887
35	Phytochemical Analysis of the Menthol Extract from leaves of Hemidesmus Indicus.	, 2016, Volume3, Issue 12, 539-543	European Journal of Biomedical and Pharmaceutical Science, ejbps	Print  UGC Approved	<b>ISSN 2349- 8870</b>	Peer Review ed
36	Conversion of Copper sulphate to Copper Chloride using Chlorine gas by spectrophotometry World	5 (3): 550-557	Journal of Pharmacy and Pharmaceutical Sciences	Print  UGC Approved	ISSN :2278 -4357	Peer Review ed

37	Synthesis of 2-substituted benzimidazoles and 1,5-disubstituted benzodiazepines using alum.	10(01)12-16	Rasyan Journal of chemistry			Peer Review ed
38	Conversion of ferrous sulphate to ferric chloride using chlorine gas European Journal of Biomedical and Pharmaceutical Sciences	Volume:3 Issue-11 288-290	Journal of Biomedical and Pharmaceutical	Print & Web	ISSN 2349-8870	Peer Review ed
39	One-pot synthesis of benzimidazoles the presence of lemon	3(12), 556-558	European Journal of Pharmaceutical and Medical Research	Print & Web	2394-3211	Peer reviewed
40	Review on benzimidazole derivatives	2016 VOL.5 Issue 9 624-656	WJPPS	Print & Web	ISSN :2278-4357	Peer reviewed
41	Effect of Enzyme on Rate and Yield of Curd formation	2016 Vol5, Issue 11 923-927	WJPPS	Print & Web	ISSN :2278-4357	Peer reviewed
42	phytochemical analysis of the methanol extract from leaves of paullinia pinnata	2016 Volume 5, Issue 12, 1673-1683	WJPPS	Print & Web	ISSN :2278-4357	Peer reviewed
43	Antioxidant effect of the stem and leaves of Solanum Melongena Linn	2016 Volume 5, Issue 12, 1673-1683	WJPPS	Print & Web	ISSN :2278-4357	Peer reviewed
44	Antibacterial and antioxidant of Delonex Regia	Vol 1 (1) 281-289	SHODHA NKAN 1(1)	Print & Web	ISSN 2250-0383	Peer reviewed
45	Antioxidant study of zingibe officinale	Vol 1 (1) 298-305	SHODHA NKAN1(1)	Print & Web	ISSN 2250-0383	Peer reviewed

46	New and efficient green catalyst one-pot synthesis of benzimidazole and derivatives	47332(UGC) 7(7) 1013-1019	World Journal of Pharmaceutical Research	Print & Web	2277–7105	Peer reviewed
47	Review on antibacterial activity of benzimidazole containing compounds	47332(UGC) 7(7) 483-495	World Journal of Pharmaceutical Research	Print & Web	2277–7105	Peer reviewed
48	Synthesis of benzimidazoles derivatives using green route	44779 Ugc 5(4) 327-328	European Journal of Biomedical and Pharmaceutical Sciences (EJBPS)	Print & Web	2249-8870	Peer reviewed
49	Plant assisted zinc oxide nanoparticles for synthesis of benzimidazole derivative	44779 Ugc 5(4) 4567-4570	European Journal of Biomedical and Pharmaceutical Sciences (EJBPS)		2249-8870	Peer reviewed
50	Synthesis of benzimidazole Derivatives using Silica as catalyst –Green Approach	<b>48283</b> <b>Ugc</b> <b>7(sp)155-157</b>	<b>IJCPS Vol. 7, Special Issue</b>	Print & Web	<b>2319-6602</b>	Peer reviewed
51	Green Protocol For Synthesis of 7-(1Hbenzimidazol-2-Yl)-5-(Substituted Phenyl) Pyrido [2, 3-D] Pyrimidin-4-Amine	<b>48283</b> <b>Ugc</b> <b>7(sp)158-160</b>	<b>IJCPS Vol. 7, Special Issue</b>		<b>2319-6602</b>	Peer reviewed
52	Facile Synthesis of 2-Substituted Benzimidazoles using Waste Aluminum Foil	<b>48283</b> <b>Ugc</b> <b>7(sp)161-164</b>	<b>IJCPS Vol. 7, Special Issue</b>	Print & Web	2319-6602	Peer reviewed
53	<i>Facile synthesis of Benzimidazole derivatives</i>	47332(UGC) 3(9) 230-231	IJSRT		2395 - 602X	Peer reviewed

54	<i>Synthesis of Benzimidazole using waste magnesium oxide</i>	10(3) 580-586	RJPPD	Print & Web	2321-5836	Peer reviewed
55	One pot synthesis of coumarine under green approach using ferrous sulphates	8 (4) 132-135	Journal of pharma research		2319-5622	Peer reviewed
56	One-Pot Four-Component Dakin-West Synthesis of $\beta$ -Acetamido Ketones Catalyzed by Haldighati soil Special issue	1(1) 115-118 109-114	Research Journey	Print & Web	2348-7143	Peer reviewed
57	Plant assisted zinc oxide nano-particles for synthesis of 1, 5- Benzothiazepines	5 (2) 120-122	SSRG international journal of Applied Chemistry	Print & Web	2393-9133	Peer reviewed
58	Ferrous sulphate catalyzed synthesis of 1, 5- Benzothiapienes using sonication method	4(2)95-98	J. Biol. Chem. Chron.	Print & Web	2454-7468	Peer reviewed
59	Haldighati Soil: An efficient, Recyclable and inexpensive catalyst for the one-pot synthesis of 1-amino alkyl-2-naphthol	1(1)82-88	Innovations for sustainable development	Print & Web	ISBN-980-32-145-7188	Peer reviewed
60	One pot four-component Dakin West synthesis of $\beta$ -Acetamido ketones catalyzed by Haldighati soil.	1(1)61-63	Innovations for sustainable development	Print & Web	978-93-5346-429-5	Peer reviewed
61	Haldighati Soil: An efficient, Recyclable and inexpensive catalyst for the one-pot synthesis of 5-Alkoxy carbonyl-4 aryl-3,4 dihydropyrimidine-2(1H)-	1(1) 31-33	Innovations for sustainable development	Print & Web	978-93-5346-429-5	Peer reviewed

	ones derivatives.					
<b>62</b>	Ferrous sulphate catalyzed synthesis of 1, 5-Benzothiapines using sonication method	1(1)28-32	Innovations for sustainable development	Print & Web	ISBN-980-32-145-7188	<b>Peer reviewed</b>
<b>63</b>	One-pot synthesis of benzimidazoles in the presence of Pineapple juice as a new and efficient catalyst	1(1)79-82	4 <sup>th</sup> Rayat VidyayanParis had	Print & Web	978-93-5346-429-5	<b>Peer reviewed</b>
<b>64</b>	One pot four-component Dakin West synthesis of b-Acetamido ketones catalyzed by Haldighati soil.	1(1)83-86	ISBN-980-32-145-7188 Souvenir of national conference 25 <sup>th</sup> Feb. 2019	Print & Web	ISBN-980-32-145-7188	<b>Peer reviewed</b>
<b>65</b>	Pineapple Juice: An efficient, recyclable and inexpensive catalyst for the one-pot synthesis of 1-aminoalkyl-2 naphthol.	1(1)97-99	ISBN-980-32-145-7188 Souvenir of national conference 25th Feb. 2019	Print & Web	ISBN-980-32-145-7188	<b>Peer reviewed</b>
<b>66</b>	Synthesis of Benzimidazole derivatives using simple method	1(1)107 -109	ISBN-980-32-145-7188 Souvenir of national conference 25th Feb. 2019	Print & Web	ISBN-980-32-145-7188	<b>Peer reviewed</b>
<b>67</b>	Plant assisted zinc oxide nano-particles for synthesis of Benzimidazole derivative	1(1)112-117	ISBN-980-32-145-7188 Souvenir of national conference 25th Feb. 2019	Print & Web	ISBN-980-32-145-7188	<b>Peer reviewed</b>


### Research Paper Published in Conference Proceedings

Sr. No.	Title of Research Paper	Vol./Issue/ Page No.	Journal/ Proceeding	Status	ISSN/ISBN
1	Benzimidazole synthesis	IY College Mumbai 1(1)12-13	Advance material in industry	National10 -11 Feb.2012	ISBN NO.  978-81- 920431-1-1
2	Synthesis and antimicrobial study of some benzimidazole derivative	IY College Mumbai 1(1)17-18	Advance material in industry	National10 -11 Feb.2012	ISBN NO.  978-81- 920431-1-1
3	Anhydrous Nickle chloride as an efficient and eco-friendly catalyst for the One-pot multicomponent synthesis of $\beta$ - acetamido ketones under mild and heterogeneous condiiions and their microbial study.	978-81-905776- 99-9 Vol 1(1) Page 58-61	UTCS-2013 Anand College Pathardi	Nation al Conf	ISBN NO. 978- 81-905776-99-9
4	Ultrasonic Promoted Synthesis of N benzilidien thiophenone carbihydrazide derivaties.	978-81-905776- 99-9 Vol 1(1) Page 75-77	UTCS-2013 Anand College Pathardi	Nation al Conf	ISBN NO. 978- 81-905776-99-9
5	Antidiabetic activity of bark and root of cesalpenia Bondue	SGM College Karad 978-93-5137-576- 0 1(1)70-73	Frontiers of research in chemistry Vol 1(1) pages 70-73	Nation al Conf	ISBN-978-93- 5137-576-0
6	Anhydrous ferrous sulphate for synthesis of beta acetamido ketones	SGM College Karad 978-93-5137-576- 0 1(1)26-31	Frontiers of research in chemistry Vol 1(1) pages 70-73	Nation al Conf	ISBN-978-93- 5137-576-0

7	One pot synthesis of nitrile using Zinc oxide nanoparticles	SGM College Karad 978-93-5137-576-0 1(1)78-81	Frontiers of research in chemistry Vol 1(1) pages 70-73	National Conf	ISBN-978-93-5137-576-0
8	Bentonite clay an efficient eco friendly catalyst	Environmental Issue for sustainable development	International ISBN 978-81-930-154-0-7 Page 89-95 VOL1(1)	National Level Seminar	ISBN 978-81-930-154-0-7
9	Synthesis of biologically potent chromones	Innovative research techniques in chemical and physical sciences Kopargaon	vol 1(1) pages 56-60	National Level Seminar	ISBN- 978-81-92394-0-3
10	Synthesis of red mud catalyzed benzimidazole derivatives	Innovative research techniques in chemical and physical sciences Kopargaon	vol 1(1) pages 61-63	National Level Seminar	ISBN- 978-81-92394-0-3
11	Estimation of hydroxyl methyl formaldehyde from various food stuff	Innovative research techniques in chemical and physical sciences Kopargaon	vol 1(1) pages 71-74	National Level Seminar	ISBN- 978-81-92394-0-3
12	One pot synthesis of benzimidazole and Benzothiazole using new oxidant	Application of synthetic methods in drug	designing 979-93-81921-40-1 Vol 1(1) Pages 41-45	National Level Seminar	979-93-81921-40-1
13	Zno nanoparticles for green synthesis of benzimidazoles.	Application of synthetic methods in drug	designing 979-93-81921-40-1 Vol 1(1) Pages 56-62 National	National Level Seminar	979-93-81921-40-1



			Level Seminar		
14	Green Synthesis of benzimidazole derivatives	International Conference	ISBN :978-81-930-345-5-2 Vol1(1)Page 166-168	International Conference	978-81-930-345-5-2
15	One pot synthesis of Nitriles using sodium sulphate	International Conference	ISBN :978-81-930-345-5-2 Vol1(1)Page 163-165	International Conference	978-81-930-345-5-2
16	One pot Synthesis of benzimidazole derivatives using nickel sulphate	Advanced Trends In green Chemistry	1(1) 81-83	National Level Seminar	978-93-244557-
17	Phytochemical Analysis of methanol extract of Vallirina Wallichii leaves	Advanced Trends In green Chemistry	1(1) 30-34	National Level Seminar	978-93-244557-
18	Plant assisted nano particles synthesis	Green chemistry education	1(1) 33-39	National Level Seminar	978-93-84659-81-3

## 9. RESEARCH PAPER PARTICIPATION & PRESENTATION

### Seminars/ Conferences/Workshops Attended/ Paper Presented:

#### National Conference Paper Presentation

Sr.No	Title	Name of Conference	Venue	Date
1	Synthesis of benzimidazoles using Zinc Acetate	NS-ASMA	KBP College Pandharpur	16-17 DEC 2011
2	Anhydrous zinc chloride catalyzed reactions	Chemizon Beed	Beed	22-24 DEC 2011
3	Synthesis and characterisation of benzimidazoles derivatives	Chemizon Beed	Beed	22-24 DEC 2011
4	Benzimidazole synthesis	Advance material in industry	IY College Mumbai	10-11 Feb.2012
5	Synthesis and antimicrobial study of some benzimidazole derivative	Advance material in industry	IY College Mumbai	10-11 Feb.2012
6	Antioxidant effect of stem and leaves of piper bettele	Chemapp	SSGM Kopargaon	15-17 march 2012
7	Diuretic activity	Chemapp	Ssgm Kopargaon	15-17 march 2012
8	Catalyzed stereospecific production of lactic acid	Research organic chemistry in colleges and industry	RBNB College Shrirampur	14-16 Feb.2012
9	New advanced micronutrient formula	Research organic chemistry in colleges and	RBNB College Shrirampur	14-16 Feb.2012

		industry		
10	antioxidant activity of plants – solonum	NS-NHAS	SRM LONAND	14-15 Sep.2012
11	Anhydrous FeCl <sub>3</sub> as efficient catalyst for synthesis of Beta acetamido ketones	Role of Green Chemistry In Environmental Pollution	Kada College Kada	21-23 dec 2012
12	Antiseptic products from callotropis prosera lattelx	Role of Green Chemistry In Environmental Pollution	Kada College Kada	21-23 dec 2012
13	one pot synthesis of benzimidazole using zinc sulphate	Specialized Aspects in organic chemistry	KBP College Vashi	18-19 Dec 2012
14	ZnO Nanoparticles as Potential Materials for Industrial Waste Water Treatment	Advanced analytical techniques in chemistry and pharmacy	MSG College Malegaon	18-19 Dec 2012
15	facile regeneration of carbonyl compounds	NSGASS	DPMK Karjat	14-15 march 2013
16	Nickel Catalysed Reactions	NSGASS	DPMK Karjat	14-15 march 2013
17	Synthesis and characterization of 2-(5-Bromo pyridine-yl)-4H chormane-4-one Derivatives	Recent Trends In coordination chemistry	KBP College Vashi	4-5 Oct 2013
18	A New Insight on the Synthesis of 2,4,5 - Triaryl-1H-imidazoles in the ZnO nano particle as Catalyst	Recent Trends In coordination chemistry	KBP College Vashi	4-5 Oct 2013
19	Anhydrous Nickle chloride as an efficient and eco-friendly catalyst for the One-pot multicomponent synthesis of β-acetamido ketones under mild and heterogenous conditions and their microbial study.	UTCS-2013	Anand College Pathardi	6-7 september 2013
20	Synthesis and pharmacological evaluation of new benzimidazole derivatives.	UTCS-2013	Anand College Pathardi	6-7 september 2013
21	Potassium sulphate catalysed simple and convenient synthesis of carbonyl compounds	Recent advances in organometallic Chemistry	RCS College ,Kolhapur	20-21 Dec 2013
22	Convenient and facile regeneration of carbonyl compounds	Recent advances in organometallic Chemistry	RCS College ,Kolhapur	20-21 Dec 2013
23	One pot synthesis of nitrile from aldehyde	FRC-2014	SGM College, Karad	13-14 Jan 2014
24	Antidiabetic activity of bark and root of caesalpinia bondue	FRC-2014	SGM College, Karad	13-14 Jan 2014
25	Antibacterial activity of plumbigo indica	Embac 2014 AMC College Rajapur 2014	Rajapur	17-18 JAN 2014
26	Green synthesis of betaacetamido ketones	Embac 2014 AMC College Rajapur 2014	Rajapur	17-18 JAN 2014

27	Recyclable Solvent system for synthesis of benzimidazole using Zinc chloride as catalyst	RTAC 2014 ASC College satral	satral	30-31 Aug 2014
28	Zinc oxide used for synthesis of benzimidazoles	RTAC 2014 ASC College satral	satral	30-31 Aug 2014
29	A facile one pot synthesis of 1,2 dihydro a aryl naphthol	Advanced analytical techniques CT Bora College Shirur	Shirur	5-6 DEC 2014
30	Antibacterial and antifungal activity of arenica plant	Advanced analytical techniques CT Bora College Shirur	Shirur	5-6 DEC 2014
31	Synthesis and chacterisation of benzimidazole drivaties	College industry interface M.P.College Pimperri	Pimperri	7-8 DEC 2014
32	Antioxidant antibacterial study of bacillium labiate	College industry interface M.P.College Pimperri	Pimperri	7-8 DEC 2014
33	Antibacterial and antioxidant activity of phylum amarthus	IABS RKMM Ahmednagar	Ahmednagar	19-20 DEC 2014
34	One pot synthesis of bezimidazole and benzthiazole using ferrous sulphate	Current innovation In Chemical research KJS College Kopargaon	Kopargaon	22-23 DEC 2014
35	Green synthesis of betaacetaamido ketones	Emerging Trends in organic chemistry MJS College shrigonda	shrigonda	27-28 DEC 2014
36	Zno nanoparticles in synthesis of heterocyclic compounds	Emerging Trends in organic chemistry MJS College shrigonda	shrigonda	27-28 DEC 2014
37	Microbial and chemical analysis of portable water	Emerging trends in chemical sciences Pravaranagar	Pravaranaga	22-25 JAN 2015
38	Facile and selective synthesis of Benzimidazoles using clay as catalyst	Emerging trends in chemical sciences Pravaranagar	Pravaranaga	22-25 JAN 2015
39	Antioxidant effect of piperbittle	Recent trends in research chemistry Rahata	Rahata	13-14 FEB 2015
40	Synthesis of benzimidazole using zinc sulphate	Recent trends in research chemistry Rahata	Rahata	13-14 FEB 2015

41	One pot synthesis of benzimidazole and Benzothiazole using new oxidant	Recent trends in chemistry Sangamner	Sangamner	12-13 Sep.2015
42	Zno nanoparticles for green synthesis of benzimidazoles.	Recent trends in chemistry Sangamner	Sangamner	12-13 Sep.2015
43	Research in college and industry with referece to synthetic organic chemistry sonicator assisted electrophilic substitution reaction	RBNB College Shrirampur	Shrirampur	11-12 Feb 2016
44	Research in college and industry with referece to synthetic organic chemistry greener synthesis of 3,4 dihydropyrimidone using alum	RBNB College Shrirampur	Shrirampur	11-12 Feb 2016
45	Synthesis of biologically potent chromones	Innovative research techniques in chemical and physical sciences Kopargaon	Kopargaon	7-8 AUG 2015
46	Estimation of hydroxyl methyl formaldehyde from various food stuff	Innovative research techniques in chemical and physical sciences Kopargaon	Kopargaon	7-8 AUG 2015
47	Phytochemical analysis of methanol extract from leaves of vallirina wallichii.	SDM College	Newasa	on 16-17 January 2017
48	Synthesis of benzimidazole using nikel sulphate	SDM College	Newasa	on 16-17 January 2017
49	Plant assisted zinc oxide nanoparticles for synthesis of benzimidazole derivaties.	ACS College satral	satral	27 <sup>th</sup> February 2017
50	Antibacterial ,antioxidant study of Delonex regia plant	ACS College	rajur	16-17 jan.2017
51	Antibacterial ,antioxidant study of zingiber officinale	ACS College rajur	rajur	16-17 jan.2017
52	green one-pot synthesis of quinoxaline citric acid as efficient and mild catalyst	ACS College ,Pravranagar	Pravranagar	ETCS 20-21 Jan 2017
53	One pot synthesis of 2,4,5 trisubstituted imidazoles	KBP College Vashi	Vashi	27 Feb.2017
54	Soil catalyzed three component one-pot efficient synthesis of 2,4,5-triaryl-1Himidazoles	NRIC-2019 on 'Nanotechnology Research in Industry and Colleges' held on 25th February 2019 at K. B. P. College, Vashi. ISBN 989-32-	K. B. P. College, Vashi.	25th February

		145-7188		
55	Magnesium Sulphate Catalyzed Synthesis of 1, 5-Benzothiazepines using Sonication Method	Advanced nanomaterials and Nanotechnology	K.B.P.College Vashi	11 Jan.2019
56	An Efficient Synthesis of 2,4,5-Triaryl-1H-Imidazole Derivatives Catalyzed by Boric Acid in Aqueous Media Under Ultrasound-Irradiation	ETAC KADA	Kada College	, 17 March 2019
57	One-Pot Four-Component Dakin-West Synthesis of $\beta$ -Acetamido Ketones Catalysed by Haldighati soil	ETAC KADA	Kada College,	17 March 2019

### International Conference Paper Presentation

Sr.No	Name of teacher	International	Name of organizer/s	Date and Venue	Venue	Title of paper presented
Year 2009-10						
1.	Wadhawa G.C.	International	International Symposium on Research in medicine based on traditional knowledge and natural source, <u>NCL Pune</u>	21-23 Nov.2009	Pune	Antioxidant effect of leaves and bark of Hibiscus encuslatus linn.
2.	Wadhawa G.C.	International	International Symposium on Research in medicine based on traditional knowledge and natural source, <u>NCL Pune</u>	21-23 Nov.2009	Pune	Diuretic activity of leaves and bark of erytherina indica lam
3.	Wadhawa G.C.	International	International Symposium on Emerging trends in chemistry, <u>University of pune</u>	5-7 Jan 2010	Pune	Convenient and facile regeneration of carbonyl compounds.
4.	Wadhawa G.C.	International	International Symposium on Emerging	5-7 Jan 2010	Pune	Reduction of azide to amine

			trends in chemistry, <i>University of pune</i>			
Year 2011-12						
5.	Wadhawa G.C.	International	ICGTCS 2012, Asian Journal of Chemistry, Udaipur	2-4 March 2012	Udipur	Plant nano particales in synthesis
6.	Wadhawa G.C.	International	ICGTCS 2012, Asian Journal of Chemistry, Udaipur	2-4 March 2012	Udipur	Multicomponent synthesis of betaactamidoketones
Year 2013-14						
7.	Wadhawa G.C.	International	Harmony 2013	11-13 Nov.2013	Gorkhpur	Inflammatory study of leaves and root of anthocephalus cadamba
8.	Wadhawa G.C.	International	Harmony 2013	11-13 Nov.2013	Gorkhpur	Antioxidant effect of the stem and leaves of <i>erythrina indica</i> linn.
9.	Wadhawa G.C.	International	EHBSCN- 2013	28-30Nov.2013	Barshi	Facile and Selective Synthesis of 2-Substituted Benzimidazoles Ferrous sulphate
10.	Wadhawa G.C.	International	EHBSCN- 2013	28-30Nov.2013	Barshi	Antibacterial andAntioxidant, anti-inflammatory study of leaves and root
11.	Wadhawa G.C.	International	ICER-13 6th International Congress of Environmental Research	19-20Dec 2013	Aurangabad	Facile regeneration of carbonyl compounds
12.	Wadhawa G.C.	International	IEPES-2013-14	10-11 Jan 2014	Satara	Anteceptic products from Calotropias Procera Latex
Year 2014-15						
13.	Wadhawa G.C.	International	International conference Gold city 2014	15-18 September 2014	jalgaon	One Pot Synthesis of nitriles From Hydroxylamine hydrochloride
14.	Wadhawa G.C.	International	Enviromental Issue for sustainable development	18-20 oct.2014	Parner	Bentonite clay in green synthesis of betaacetamidoketones
15.	Wadhawa G.C.	International	Herbal and synthetic drug studies	Feb.2014	pune	One pot synthesis of nitrile from aldehyde
16.	Wadhawa G.C.	International	Recent trends and challenges	20-22 aug.2014	Loni	Antioxidant antibacterial and

			in science and technology			antiinflatremy study of phyllanthus amraus
17.	Wadhawa G.C.	International	Recent trends and challenges in science and technology	20-22 aug.2014	Loni	Antioxidant effect of leaves of solanum nigrum
18.	Wadhawa G.C.	International	Bionanofrontiers	22-23 April 2015	Karad	Mild efficient synthesis of benzimidazoles
19.	Wadhawa G.C.	International	Bionanofrontiers	22-23 April 2015	Karad	Bentonite clay in green synthesis
2015-16						
20.	Wadhawa G.C.	International	Malpani college Sangamner College	12-13Feb. .2016	Sangamner	Green synthesis of benzimidazole derivatives
21.	Wadhawa G.C.	International	ACS College Parner	17-18 feb 2016	Parner	One pot three componts 2,3 dihydro quinoline
Year 2016-17						
22.	Wadhawa G.C.	International	Malegaon college Malegaon	12-14 December 2016	Malegaon	One pot synthesis of benzimidazole using ferrous sulphate
23.	Wadhawa G.C.	International	Malegaon college Malegaon	12-14 December 2016	Malegaon	Phytochemical analysis of methanol extract of Cassia Fistula L
24.	Wadhawa G.C.	International	Vikas college,vikroli	22 April 2017	Vikroli Mumbai	Green approach for beginili reaction
25.	Wadhawa G.C.	International	S. M. Joshi College, Hadapsar, Pune	13 & 14 December 2017	INTERDISCIPLINARY APPROACH IN CHEMICAL RESEARCH	Green Route for synthesis of benzimidazole derivaties
26.	Wadhawa G.C.	International	18 <sup>th</sup> and 19 <sup>th</sup> Dec. 2018	S.M.Joshi College Hadpsar	Two day International conference on 'Advances in Chemical Sciences' 18 <sup>th</sup> and 19 <sup>th</sup> Dec. 2018	One-Pot Four-Component Dakin-West Synthesis of $\beta$ -Acetamido Ketones Catalyzed by Haldighati soil under sonication
27.	Wadhawa G.C.	International	18 <sup>th</sup> and 19 <sup>th</sup> Dec. 2018	S.M.Joshi College Hadpsar	Two day International conference on 'Advances in Chemical Sciences' 18 <sup>th</sup> and 19 <sup>th</sup> Dec. 2018	Synthesis of Amidoalkyl Naphthols under Solvent-free Condition Catalysed by Citric Acid

## Conference/Seminar Attended

Sr.No	Conference	Name of organizer/s	Date and Venue	Nature
1.	Progressive Journey Of Drug Mind to Market	PVP College	18-20 December 2008	National
2.	Recent Trends in industry and Chemical Education	KBP College Vashi	15-17 February 2008	National
3.	Status of Teacher Education in India	R.B.N.B.College,Shrirampur	11-13 Nov.2008	National
4.	Recent Trends in Synthetic Organic chemistry	DRASC Pathardi	11-12 February 2011	State
5.	Development in Agroindustry	DM ASC College Newasa	11 oct.2008	State
6.	Application of Spectroscopy	MJS College Shrigonda	01-02 February 2008	State
7.	Recent Trend in organic Chemistry	R.B.N.B.College Shrirampur	4 &5 January 2008	State
8.	Recent Advances in spectroscopy	NRSC shevgaon	4 &5 February 2010	State
9.	Recent Trends in Analytical Chemistry	R.B.N.B.College Shrirampur	26 December 2009	State
10.	FY Syllabus Setting	Agasti College Akole	13 December 2007	State
11.	Frontiers In Chemistry	R.B.N.B.College Shrirampur	24-25 January 2011	State
12.	N-list Awareness	R.B.N.B.College Shrirampur	28 November 2011	state

### 10. EXAMINATION WORK

- Junior supervisor for University Theory Examination
- Internal Examiner for University (UG-Practical) Examination
- Internal Examiner for University (PG-Practical) Examination
- 
- External Examiner for University (UG-Practical) Examination

### 11. CO-CURRICULAR ACTIVITIES

- Asst. Co-ordinator of B.Sc. in Facility Services Degree Course
- Member of Cultural Committee of the College
- Member of Academic Audit and Student Feedback Committee



- Quality Improvement and Special Coaching Rayat Shikshan Sanshthas Quality Improvement Programme and Attendance Committee
- Member of Debate and Elocution Committee

## 12. ORGANIZATION OF SEMINAR

- ✚ **Organizing Secretary for entitled** „Research in organic synthesis in colleges and in industry 14 -16 February 2012.
- ✚ **Organizing Secretary for** entitled Interface Between Colleges and industry with reference to Synthetic Organic Chemistry and Spectroscopy
- ✚ **Convener for** IQAC and Research promotion and Ethics Committee Research Scholar Meet -2016 ,23 January 2017
- ✚ **Co convener For** Green Approaches in synthetic chemistry 27 Feb.2017
- ✚ **Co convener For** Nanotechnology Research Industry and College ,(NRIC-2019) ,25 Feb.2019
- ✚ **Co convener For** Disruptive Technology In Shaping the future with New Innovation (DTSFNI -2020) 5 and 6 March 2020
- ✚ **Co convener For** Lecture Series on Advances in Stereochemistry **January 2019**
- ✚ **Co convener For** Lecture Series on Advances in Spectroscopy **January 2018**
- ✚ **Co convener For** **Three day** Lecture Series on Popular Science Topic **January 2017**
- ✚ **Coordinator For** Rayat Inspire Camp for Jr.College 2014-15 in RBNB College Shirampur
- ✚ **Coordinator For** Rayat Inspire Camp for High school 2014-15 in RBNB College Shirampur
- ✚ **Coordinator For** Rayat Inspire Camp for Jr.College 2015-16 in RBNB College Shirampur
- ✚ **Coordinator For** Rayat Inspire Camp for High school 2016-17 in RBNB College Shirampur
- ✚ **Coordinator For** Rayat Inspire Camp for Jr.College 2016-17 in KBP College Vashi
- ✚ **Coordinator For** Rayat Inspire Camp for High School 2016-17 in KBP College Vashi
- ✚ **Coordinator For** Rayat Inspire Camp for Jr.College 2017-18 in KBP College Vashi
- ✚ **Coordinator For** Rayat Inspire Camp for High School 2017-18 in KBP College Vashi
- ✚ **Coordinator For** Rayat Inspire Camp for Jr.College 2018-19 in KBP College Vashi
- ✚ **Coordinator For** Rayat Inspire Camp for High School 2018-19 in KBP College Vashi
- ✚ **Coordinator For** Rayat Inspire Camp for Sr.College 2018-19 in KBP College Vashi
- ✚ **Coordinator For** Rayat Inspire Camp for Avishkar 2018-19 in KBP College Vashi
- ✚ **Coordinator For** Rayat Inspire Camp for Sr.College 2017-18 in KBP College Vashi
- ✚ **Coordinator For** Rayat Inspire Camp for Avishkar 2017-18 in KBP College Vashi
- ✚ **Convener For** Safety Workshop 2018-19 in KBP College Vashi
- ✚ **Convener For** Patent Workshop 2018-19 in KBP College Vashi

- ✚ **Convener For** Safety Workshop 2017-18 in KBP College Vashi
- ✚ **Convener For** Science Day 2018-19 in KBP College Vashi
- ✚ **Convener For** Nobel Laureate Lecture Series 2018-19 in KBP College Vashi

### 13.MEMBERSHIP

- Life Member of The Indian Science Congress Association, Kolkata
- Marathi Vidyan Parishad – Mumbai

### 14. Resource Person

1. Worked as a **Team Manager** in the “**Avishkar 2016-17**”, Organized Mumbai University
2. Worked as a **Team Manager** in the “**Avishkar 2017-18**”, Organized Mumbai University
3. Worked as a **Team Manager** in the “**Avishkar 2019-20**”, Organized Mumbai University
4. Delivered Guest Lecture in Rayat Inspire Camp for High School 2016-17 in KBP College Vashi
5. Delivered Guest Lecture in Rayat Inspire Camp for High School 2017-18 in KBP College Vashi
6. Delivered Guest Lecture in Rayat Inspire Camp for High School 2018-18 in KBP College Vashi
7. Delivered Guest Lecture in Rayat Inspire Camp for Jr.College 2016-17 in KBP College Vashi
8. Delivered Guest Lecture in Rayat Inspire Camp for Jr.College 2017-18 in KBP College Vashi
9. Delivered Guest Lecture in Rayat Inspire Camp for Jr.College 2018-18 in KBP College Vashi
10. Delivered Guest Lecture in Rayat Inspire Camp for High School 2014-15 in R.B.N.B.College Shirampur
11. Delivered Guest Lecture in Rayat Inspire Camp for High School 2015-16 in R.B.N.B.College Shirampur
12. Delivered Guest Lecture in Rayat Inspire Camp for Jr.College 2014-15 in R.B.N.B.College Shirampur
13. Delivered Guest Lecture in Rayat Inspire Camp for Jr.College 2015-16 in R.B.N.B.College Shirampur
14. Worked as a **Team Expert** in the “**Avishkar 2016-17**”, Organized by Nanded University
15. Worked as a **Team Expert** in the “**Avishkar 2017-18**”, Organized by MPKV Rahuri University
16. Worked as a **Team Expert** in the “**Avishkar 2018-19**”, Organized by Gondvana University Gadchiroli
17. Worked as a **Team Expert** in the “**Avishkar 2019-20**”, Organized by Mumbai University

Mumbai

18. Delivered Guest Lecture in Rayat Inspire Camp for Jr.College 2016-17 in Y.C.College Satara
19. Delivered Guest Lecture in Rayat Inspire Camp for High School 2016-17 in Y.C.College Satara
20. Delivered Guest Lecture in Avishkar for Senior College 2016-17 in CKT College,Panvel
21. Delivered Guest Lecture in Avishkar for Senior College 2017-18 in CKT College,Panvel
  
22. Delivered Guest Lecture in Rayat Teachers Camp for High School Teachers 2016-17 in Kamothe ,Panvel
23. Delivered Guest Lecture in Rayat Teachers Camp for High School Teachers 2017-18 in Kamothe ,Panvel
24. Delivered Guest Lecture in Rayat Teachers Camp for High School Teachers 2018-19 in Kamothe ,Panvel
25. Delivered Guest Lecture in NSS Camp for Students 2018-19 Jasai ,Panvel.
26. Delivered Guest Lecture in Rayat Inspire Camp for Jr.College 2017-18 in SGM College ,Karad
27. Delivered Guest Lecture in Rayat Inspire Camp for High School 2017-18 in SGM College ,Karad
28. Delivered Guest Lecture in Bio analytical Sciences On NMR in KBP College, Vashi
29. Delivered Guest Lecture in Bio analytical Sciences On NMR in KBP College, Vashi
30. Worked as a **Chairperson** for Plenary Session in State Level Seminar on Advances In Chemistry Organized by Lonavala Education Trust Lonavala. On 31 January 2018.
31. Worked as a Resources person for science exhibition and worked as jury for exhibition in MPASC college panvel on 06/02/2017.
32. Worked as a Resources person for science exhibition by zilla parishad at Nimgaon khari at shrirampur tahsil in year 2014-15on 04/12/2014
33. Delivered Guest Lecture in Rayat Teachers Camp for High School Teachers 2014-15 in rayat Shikshan sanstha office ahmednagar
34. Delivered Guest Lecture in Rayat Teachers Camp for High School Teachers 2015-16 in rayat Shikshan sanstha office ahmednagar
35. Delivered Guest Lecture in Rayat Teachers Camp for High School Teachers 2013-14 in rayat Shikshan sanstha office ahmednagar
36. Delivered Guest Lecture in Rajapur college under Avishkar activity on 13/09/2019
37. Delivered Guest Lecture in Rajapur college under Science Association activity on 13/09/2019
38. Delivered Guest Lecture in Ashoknagar college under Science Association activity on 13/04/2015
39. Delivered Lecture in State Level Seminar in Recent Trends In Extraction of Phytochemicals on 18 January 2016 in ashoknagar College
40. Delivered Lecture in State Level Seminar in Application of Spectroscopy in Chemical Structure Investigation on 19 February 2016 in ASC College Kolhar

41. Worked as Resource Person in MSSRI 8<sup>TH</sup> Indian Youth Science Congress on 16 -17 February 2017
42. Worked as Jury in MSSRI 8<sup>TH</sup> Indian Youth Science Congress on 16 -17 February 2017
43. Delivered Lecture in National Level Seminar in Green Technology in sustainable Development on 15 February 2020 in ASC College Kolhar
44. Worked as a Resources person for science exhibition and worked as jury for exhibition in Modern School Vashi on 09/10/2018.
45. Worked as a Resources person for science exhibition and worked as jury for exhibition in Modern School Vashi on 12/10/2017.
46. Delivered Lecture in National Level Seminar in Advance Trend in Green Chemistry on 15 16 -17 January 2017 in ASC College Newasa
47. Worked as Referee in National Level Seminar in Green Technology in sustainable Development on 15 February 2020 in ASC College Kolhar
48. **Advisory Committee Member of** National Level Seminar on “Advance Trend in Green Chemistry ” 15 16 -17 January 2017 in ASC College Newasa

### 15. E-Content Development

- 1) <https://www.slideshare.net/wadhavagurumeet/factors-affecting-uv-visible-spectroscopy>
- 2) <https://www.slideshare.net/wadhavagurumeet/electrochemistry-230965189>
- 3) <https://www.slideshare.net/wadhavagurumeet/basic-uv-spectroscopy-231023780>
- 4) <https://www.slideshare.net/wadhavagurumeet/ir-spectroscopy-231109018>
- 5) <https://www.slideshare.net/wadhavagurumeet/reagents-in-organic-synthesis-231138823>
- 6) <https://youtu.be/MAS8CncKqxc>
- 7) [https://www.youtube.com/watch?v=SnW\\_NgDPGWE&feature=youtu.be](https://www.youtube.com/watch?v=SnW_NgDPGWE&feature=youtu.be)
- 8) <https://www.slideshare.net/wadhavagurumeet/natural-product-mva>
- 9) <https://www.scribd.com/presentation/454145865/Reagents>
- 10) [https://www.scribd.com/presentation/454147495/Green-Chemistry-Basic?secret\\_password=JR5U65yEmhNc1IYsTs4p](https://www.scribd.com/presentation/454147495/Green-Chemistry-Basic?secret_password=JR5U65yEmhNc1IYsTs4p)
- 11) <https://www.slideshare.net/secret/5bJmxzsbQJA9el>
- 12) [https://www.scribd.com/presentation/454353219/Taxol?secret\\_password=jrNw7JI4U10hKhWg4t6k](https://www.scribd.com/presentation/454353219/Taxol?secret_password=jrNw7JI4U10hKhWg4t6k)

### 16. Patents Filled and Published

Sr.NO.	Title	Date of Filling	Number	Status
1	Process for preparation of substantially pure 4 amino 1 butyl 1 imidazole quinolone	2006	AU2005320890	Published
2	Process for preparation of substantially pure 4 amino 1 butyl 1 imidazole quinolone	2006	WO/2006/070408	Published
3	Process for preparation of substantially pure 4 amino 1 butyl 1 imidazole quinolone	2009	UK/2009/070408	Published
4	Green protocol for the preparation of Bendamustine hydrochloride	20/09/2019	CBRN20585	Filled

5	Novel application of different of areca nut	24/12/2019	CBRN27746	Filled
6	Surfactant ,Antiflea and antibacterial activity of Euphorbia Triculla	31/12/2019	CBRN28189	Filled
7	TOBECA as natural acid base indicator	13/01/2020	CBRN834	Filled
8	Effective herbal formulation to control tick and mites	05/02/2020	CBRN2757	Filled
9	Use of latex powder of Calotropis procera	18/02/2020	CBRN3830	Filled
10	Use of latex powder of jatropaha carcus linus	05/03/2020	CBRN5922	Filled
11	Novel Method for Preparation of Calotropis Procera Latex and their Application	10/07/2019	CBRN52310	Filled

### 17. EXTENSION AND SOCIAL

1. Every Year 1 % Salary donated to Rayat Sikshan Sanshtha as a gratitude fund for Infrastructural and Educational development.
2. Every year (22<sup>nd</sup> September) one day salary donated to Rayat Sikshan Sanstha"s fund for development of infrastructure in Ashram Schools in remote areas of Maharashtra State.
3. Donated One day Salary to Maharashtra government for Draught 2016-17
4. Donated One day Salary to Maharashtra government for Draught 2017-18
5. Donated One day Salary to Maharashtra government for Corona 2019-20
6. Donation for 2000 for Rajapur College Rajapur
7. Contribution to Sevak Welfare Fund, Rayat Shikshan Sanstha Satara
8. Donated 500/- Rs. for College Development Dahiwadi College Dahiwadi
9. Donated One day Salary to Rayat Shikshan Sanstha Centary Year 2019-20
10. Donated One day 5000 to Rayat Shikshan Sanstha Century Year 2019-20
11. Donated One day 2000 to Rayat Shikshan Sanstha Century Year 2019-2020

## 18. Student Guidance

Year	Avishkar Projects	MSc Project	NET/SET	MSC by research	Ph.D.
2007	04	02	00	00	00
2008	10	04	02	00	00
2009	20	08	06	00	00
2010	30	08	10	00	00
2011	25	10	06	00	00
2012	25	10	10	00	00
2013	06	10	06	00	00
2013	07	10	10	00	00
2014	15	10	08	00	00
2015	20	10	08	00	00
2016	15	06	00	00	00
2017	14	06	00	00	00
2018	14	06	00	00	00
2019	15	04	00	03	02
	<b>220</b>	<b>104</b>	<b>66</b>	<b>03</b>	<b>02</b>

Place: Vashi

(Dr. Gurumeet C Wadhawa)