



### Faculty Profile

1. Name : **Bhavana Purushottam Khobragade**  
2. Address (residential) : **102 Akarshri Apartment, Maharshi Colc  
Amaravati.(MS).444604**  
3. Phone No. / Cell No. : **8275394938**  
4. E-mail address : **bhavanabhandarkar@gmail.com**  
5. Designation : **Assistant Professor**  
6. Department : **Chemistry**  
7. Date of birth : **13/03/1982**

### 8. Academic qualification

Sr. No	University /College	Degree obtained	Year	Subjects taken
1	RTM Nagpur University/JM Patel Science College Bhandara	B.Sc.	2003	(Physics, Chemistry, Math)
2	SGB Amravati University/ AmolackchandMahavidyalaya, Yavatmal	M.Sc. Organic Chemistry	2010	Spectroscopy, Inorganic Chemistry, Organic Chemistry, Analytical Chemistry, Physical Chemistry
3	RTM Nagpur University, Nagpur	Ph.D.	2016	“Synthesis and Biological Study of Pyrazole, Dihydropyrazole, Thiazine and Oxazine Derivatives”

### 9. Teaching Experience:

Courses Taught	Name of the University/ College/ Institution	Duration
UG	Bar.R D I K& N K D College,Badnera	Nov 2019 to uptil now
PG	Bar.R D I K& N K D College,Badnera	Nov 2019 to uptil now

## 10. Research Experience: 12 Yrs

### A. Ph. D (Awarded/Thesis Submitted/Registered)

### B. Project of P. G. Students : 12

### C. Research Paper published in Journals

Sr. No.	Title of paper	Journal Name, Page nos., Vol. no., Issue no., Year of publication	ISSN / ISBN NO.	Whether peer reviewed Impact Factor, if any
1	Synthesis, Antimicrobial and antifungal study of 2-(2-amino-6-aryl-6H-1,3-oxazin-4-yl)-4-substituted-naphthalen-1-ol, pp. 109-112	International Journal of basic and applied research 2012	ISSN 2278-0505	peer reviewed
2	Synthesis, Antimicrobial and antifungal study of 2-(5-aryl-1-substituted-pyrazol-3-yl)-substituted naphthalene-1-ol by dehydrogenation method pp 569-572	International Journal of Chemical Sciences, Udaipur Vol 11(1) 2013	ISSN 0972-768X	peer reviewed
3	Synthesis, Antimicrobial and antifungal study of 2-(5-aryl-4,5-dihydro-1-substituted-pyrazol-3-yl)-substituted naphthalene-1-ol , pp. 781-785	Research paper published in International Journal of Chemical Sciences, Udaipur Vol 11(2) 2013	ISSN 0972-768X	peer reviewed
4	Biological Study Of 2-(2-Amino- 4-Aryl-6h-1,3-Oxazin/Thiazin-6-Yl)-4-Substituted-Naphthalen-1-Ol, pp. 526-534	International Journal of Researches in Biosciences, Agriculture and technology, Volume 1, Issue 2, 2014	ISSN 2347-517X	peer reviewed
5	Synthesis and Antifungal Screening of Thiazolidin-4-One Derivatives pp. 241-217	International Journal of Chemical and Physical Sciences, IJCPS , Vol. 4,2015	ISSN:2319-6602	peer reviewed
6	Synthesis and Biological Study of 2-(5-aryl-4,5-dihydro-1-substituted-pyrazol-3-yl)-Substituted-Naphthalene-1-ol , pp. 306-310	Scientific.net Advanced Materials Research by trans Tech Publications Ltd, , vol 1110, 2015	ISSN 1662-8985	peer reviewed
7	Synthesis, Characterization and Examination of Antimicrobial Action of 2-Azetidinone Derivatives, pp. 08-10	Asian J. Adv. Basic Sci., 6(3), 2018	ISSN (Print): 2454 – 7492 ISSN (Online): 2347 – 4114	peer reviewed
8	Synthesis And Study Of Cobalt Complexes, pp. 1-3	Journal of Emerging Technologies and Innovative Research (JETIR) Feb 2020, Volume 2, Issue 7	ISSN-2349-5162	peer reviewed
9	Ph-Metric Studies On Stability Constants Of The Complexes Of Substituted Pyrazoles And Pyrazolines With Cu(Ii), Ni(Ii) And Cd(Ii) Metal Ions In 70% Dioxane-Water Mixture, pp. 243-247	Journal of Emerging Technologies and Innovative Research (JETIR) Feb 2020, Volume 2, Issue 7	ISSN-2349-5162	peer reviewed

10	Concentration Determination Of Vitamin C From Various Kinds Of Grapes, pp521-522	Vidyabharati International Interdisciplinary Research Journal (Special Issue-May 2020)	ISSN 2319-4979	peer reviewed
11	Studies On Acoustic Parameters Of 3-(4-Chloro 1-Hydroxynaphthalene-2-Yl)-5-(Furan-2-Yl),4-5 Dihydro Pyrazole -1-Carbothioamide In 70% Dioxane-Water Mixture At 3010k And Frequency 1 Mhz, pp. 940-944	Journal of Emerging Technologies and Innovative Research (JETIR) Sept 2020, Volume 2, Issue 9	ISSN-2349-5162	peer reviewed
12	Green and Simple method for the synthesis of Phenolic esters and their catalytic de-protection ,pp. 451-457	Journal of Emerging Technologies and Innovative Research (JETIR) , December 2020, Volume 7, Issue 12 www.jetir.org	ISSN-2349-5162	peer reviewed
13	Green and Simple method for the synthesis of Phenolic esters and their catalytic de-protection, pp. 451-457	JETIR December 2020, Volume 7, Issue 12	ISSN-2349-5162	peer reviewed
14	Biological studies of pyrazole derivatives obtained from 4-bromo-naphthalen-1-ol, pp. 626-629	Journal of Emerging Technologies and Innovative Research (JETIR) July 2021, Volume 8, Issue 7	ISSN-2349-5162	peer reviewed
15	Development Of Pyrazoline As A Pharmacologically Active Molecule: A Review, pp. 378-387	Journal of Emerging Technologies and Innovative Research (JETIR) Mar 2022, Volume 9, Issue 3	ISSN-2349-5162	peer reviewed
16	Enhance predictive modeling of bioactivities and properties of small molecules using pharmaceutical chemistry, pp. 170-174	Bull. Env.Pharmacol. Life Sci., Vol 11 [5] May 2022 : 170-174	ISSN 2277-1808	Web of Science
17	A Comparative Study of Schiff Base Metal Complexes Based on Its Biological Application: A Review , pp. 49-56	Journal of Emerging Technologies and Innovative Research (JETIR) July 2022, Volume 9, Issue 7	ISSN-2349-5162	peer reviewed

Citation indices	All	Since 2018
Citations	5	4
h-index	2	1
i10-index	0	0

## 11. Seminars/ Conferences/ Symposia

Sr. No.	Name of the Seminar/ Conference/ Syposia	Level	Place	Date	Title of Paper Presented/ Published
1.	Conference on Material Science : Trends and Future – 2010	National	VidyaBharatiMahavidyalaya, Amravati and sponsored by UGC & CSIR , New Delhi	6-7th January 2010	Microwave assisted synthesis and Antimicrobial study of 1-substituted pyrazolines
2.	Conference on Climate Change and its consequences	National	BharatiyaMahavidyalaya, Amravati	12-13th January 2010	Indoor air pollution and its harmful effects
3.	UGC sponsored national conference on Pharmacogenomics :Revolutioniaingpersonalised Medicines	National	Department of Biotechnology and Microbiology, NabiraMahavidyalaya, Katol	21-22 Sept 2012	Synthesis, Antimicrobial and antifungal study of 2-(2-amino-6-aryl-6H-1,3-thiazin-4-yl)-4-substituted-naphthalen-1-ol
4.	UGC sponsored national conference on Recent trends in physics	National	M.M.Mahavidyalaya, Darwha	26-27 Oct 2012	Synthesis, Antimicrobial and antifungal study of 2-(2-amino-6-aryl-6H-1,3-oxazin-4-yl)-4-substituted-naphthalen-1-ol
5.	One Day Seminar on Research Methodology	National	MIT College of Engineering Pune	4 Oct 2013	--
6.	National conference on Recent applications in Science and technology	National	Department of Chemistry Govt. Engg. College , Amravati	8-9 May 2014	Biological study of 2-(5-aryl-1-substituted-pyrazol-3-yl)-substituted naphthalene-1-ol
7.	National conference on Innovative Research in S & T	National	Shri Shivaji Science College, Amravati	17-18 Dec 2019	Synthesis and Study of Cobalt Complexes
8.	National conference on Recent trends in Chemistry	National	Department of Chemistry, Dr. Homi Bhabha State University, Mumbai	13-14 Feb 2020	Presented
9.	International E-Conferance on 'Sustainable Development : A Biological and Socioeconomical Perspective'	International	Government Vidhrbha Institute of Science and Humanities Amravati (MS),India	June 26-27, 2020	Determination of Vitamin C from various kind of lemons and Usefulness of Lemon in Pandemic period of COVID 19
10.	International Conference Proceeding in Life Science”	International	International Journal of Microbial Science ( <a href="https://theijms.com/">https://theijms.com/</a> ),	1st March to 2nd March 2021	Biological studies of pyrazoline derivatives obtained from 4-

			India.		bromo -naphthalen-1-ol
11	Conference on Advances in Chemical Sciences and Sustainable Development (ACSSD-2021)	National Conference	B.N.Bandodkar College of Science (Autonomous), Thane	06 Mar 2021	Role of Vitamin C in fight against COVID 19
12	National Seminar on Role of IQAC in Quality Initiatives in affiliated College	National Seminar	Shri Shivaji Arts & Commerce College, Amravati	05 Mar 2021	--
13	International Conference on Queens of Era-2021	International	G.S. Tompe Arts, Commerce & Science College Chandur Bajar	23 Mar 2021	--
14	Conference on Research in Science & Technology for Sustainable Development	National	Rajarshee Shahu Science College Chandur Rly	23 Mar 2021	--
15	National conference on Recent Mathematical Innovation & Skills	National	RDIK and NKD College Badnera & SGBAU Amravati	27 Mar 2021	--
16	International Conference on Metabolomics of Cancer	International	Gurunakanak College of Science Chandrapur	27 Mar 2021	--
17	International Conference on Innovative trends in applied and Natural Sciences	International Conference	Mahatma Gandhi College of Science Gadchandur	17-18 Aug 2021	--
18	Conference on Women's Empowerment: Issues & Challenges	National Conference	Sahakar Maharshi Late Bhaskarrao Shingne Arts College Khamgaon	27 Aug 2021	--
19	International Conference on Environmental Issue – Global Warming : Reason and Remedies	International	Perna College of Commerce Nagpur	3-4 Sept 2021	--
20	National Conference on Gender and Science	National	SGBAU Amravati	10 Oct 2021	--
21	Seminar on Building of Mental Health in the unequal world	State	Chatrapati Shivaji College Satara	14 Oct 2021	--
22	International virtual conference on recent trends in mathematical science	International	Phulsing Naik Mahavidyalaya Pusad	29-30 Oct 2021	--
23	International Conference on Sustainable and futuristic materials	International	Kalasalingam Academy of Research and Education Krishnankoli	29-30 Nov 2021	--

24	National Conference on the impact of coronavirus unicon variant on society third wave in India	National	Mahila Kala Mahavidyalaya Umred	3 Feb 2022	--
25	National seminar on science and technology	National	Janata Mahavidyalaya Chandrapur	10 Feb 2022	--
26	National level conference on Indian journey in the 21st century : Trace	National	Late Pushpa Devi Patil Arts and Science College risod	16 Feb 2022	--
27	International conference on emerging issues and challenges in human rights commercial law and women empowerment in a contemporary global society	International	Dr panjabrao Deshmukh College of Law Amravati Sentinel Solicitors UK	5-6 March 2022	--
28	Conference on emerging trends in high energy Astrophysics	National	Tezpur University in collaboration with Indian Association of Physics teachers	16 Mar 2022	--
29	International seminar on multi disciplinary approach towards science and education	International seminar	Raj Rishi government autonomous college on	13 April 2022	--

**12. Attended AND PARTICIPATED IN Faculty improvement/Faculty Development / Refresher / Orientation programme/Workshops :**

Sr. No.	Title	Date (Days)	FIP/FDP/Refresher/Orientation	Organized By
1.	Developing future Generation Teachers	18-23 Apr 2020	FDP	Sydenham & Wilson College Mumbai under MHRD & Pandit Madan Mohan Malaviya National Mission on Teachers and Training
2.	MANAGING ONLINE CLASSES And CO-CREATING MOOCS	20.04.2020 to 06.05.2020 (2 Weeks)	FDP	Ramanujan College Delhi in Association with PMMMNMTT and MHRD
3.	SCILAB	01 -07 May 2020		Rajashri Shahu Maharaj Mahavidyalaya, Latur, in Association with IIT Bombay under Pandit Madan Mohan Malaviya National Mission on Teachers and Training
4.	Comprehensive Study of NAAC Criteria in RAF	04-08 May 2020	FDP	Rubrics Softcon Private Limited, Pune
5.	ICT Tools for Effective Teaching Learning	11-16 May 2020 (1Week)	FDP	Swami Ramanand Teerth Marathwada University,Nanded

6.	JMOL Application	8-14 May 2020 (1Week)	FDP	Bajaj Science College Wardha in Association with IIT Bombay under Pandit Madan Mohan Malaviya National Mission on Teachers and Training
7.	MOODLE	13-15 may 2020 (3Days)	FDP	VIT Chennai in Association with IIT Bombay funded by Pandit Madan Mohan Malaviya National Mission on Teachers and Training
8.	Case Discussion Methodology for BBA in Rural Management	18-22 may 2020 (1 Week)	FDP	Mahatma Gandhi National Council of Rural Education Sponsored by Pandit Madan Mohan Malaviya National Mission on Teachers and Training
9.	NAAC Assessment & Accreditation	21-26 May 2020 (1Week)	FDP	Shri Shivaji College Parbhani Under UGC PARAMARSH
10.	ICT Tools in Education Using MOODLE	22-26 May 2020 (1Week)	FDP	PACE Institute of Technology and Sciences, Ongole
11.	ICT based tools and its applications in teaching learning process”	27 may – 2 Jun 2020 (1Week)	FDP	EDUCATIONAL LEARNING CENTRE, NAGPUR
12.	Evolution from offline to online teaching	30 May – 3 Jun 2020 (1Week)	FDP	Satish Pradhan Dnyanasadhana College, Thane
13.	Induction/orientation Program	04.06.2020 to 01.07.2020 (4 Weeks)	Induction/orientation Program	Ramanujan College Delhi in Association with PMMMMNMTT and MHRD
14.	Research Methodology	8-12 Jun 2020(1week)	Workshop	Sydenham & Wilson College Mumbai under MHRD & Pandit Madan Mohan Malaviya National Mission on Teachers and Training
15.	Research Proposal Writing and opportunities in the field of Science Technology and Management	6-11 July 2020 (1Week)	FDP	Bangalore institute of technology
16.	FIP	01– 30 Dec 2020	FIP	HRDC Sant Gadge Baba Amravati University, Amravati
17.	Orientation/Refresher program	04- 10 March 2021 (1Week)	Orientation/Refresher program	MGI’s College of Engg and Tech Shegeon (AICTE/ISTE Approved)
18.	Research Methodology	26 April- 1 May 2021 (1Week)	FDP	Kamla Nehru Mahavidyalaya Nagpur
19.	ICT Tools for Effective Teaching Learning	8-10 Jun 2021 (3 days)	FDP	Kamla Nehru Mahavidyalaya Nagpur
20.	Foregrounding the Spectrum of Character Building in Modern Human	25 June- 03 July 2021 (09 Days)	FDP	BALAJI INSTITUTE OF TECHNOLOGY & SCIENCE

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21.	Transformation in Indian Education through New Education Policy- Challenges and Opportunities	5-11 July 2021 (1 Week)	FDP	Government First Grade College for Women, Balmatta, Mangaluru in association with St Aloysius College (Autonomous), Mangaluru, Under Paramarsh Scheme sponsored by UG ( Govt of Karnataka)
22.	Online Teaching Learning and Research Methodology	18-29 July 2021 (2 Weeks)	FDP	Govt. PG College Bilaspur in Association with RUSA
23	Refresher Course In Chemistry	16-29 Aug 2021	Refresher Course In Chemistry	University Grants commission Human Resource Development Centre (Hrdc) Gujarat University, Ahmedabad
24	Swayam Arpit Refresher Online course	1/12/2020 to 31/03/2021	Refresher Course In Chemistry	SGTB Khalsa College, University of Delhi
25	IP Awareness And Training Program	14/01/2022	Training Program	National IP Awareness Mission
26	Methods Of Material Synthesis	18/01 to 22/01/2022	Faculty Development Program	Bhavans Vivekananda College
27	Post Disaster Needs Assessment PDNA And Long Term Recovery	19/01 to 21/01/2022	Online Training Program	National Institute Of Disaster Management Ministry Of Home Affairs Government Of India
28	Came And Came Sketch Software Learning	28/01 to 29/01/2022	Online Workshop	SGT University Gurugram
29	Emerging Trends In E-Learning	29/01/2022	National Level Faculty Development Programme	Universal Group Of Institutions
30	Research Advances And Emerging Technologies In The Area Of Education And Research	03/02 to 09/02/2022	Faculty Development Programme	IIMT College Of Management Greater Noida UP
31	Research In Social Sciences Contemporary Trends Prospectives And Pedagogy	07/02 to 13/02/2022	Faculty Development Programme	Lal Nehru University/ Galgotias University Uttar Pradesh
32	Effect And Panacea Of Environmental Pollution The Past Present And Future	20/02 to 26/04/2022	International Short Term Training Programme	Raj Rishi Government Autonomous College Alwar Rajasthan
33	Time And Stress Management At Workplace	04/03/2022	Online Workshop	Chhatrapati Shivaji College Satara

34	Impact Of Covid-19 On Physicosocial Behaviour	05/03/2022	Online Workshop	Chhatrapati Shivaji College Satara
35	Recent Advances In Environmental Toxicology And Wildlife Conservation	22/03 to 28/03/2022	International Short Term Training Program	Raj Rishi Government Autonomous College Alwar Rajasthan
36	Lesson Planning	12/04 to 13/04/2022	Workshop	Saraswati College Of Professional Studies Ghaziabad
37	Income Tax And Tax Planning	29/04/2022	National Workshop	RDIK And NKD College Badmnera
38	Research Methodology	02/05 to 07/05/2022	Faculty Development Programme	Kamla Nehru Mahavidyalaya Nagpur
39	Countryvance Of Sustainable Development Goals For Environmental Conservation	24/06 to 30/06/2022	International Short Term Training Program	Raj Rishi Government Autonomous College Alwar Rajasthan
40	Negative Addition For Teacher Education Institutes	01/07 to 08/07/2022	National Level FDP	Azad College Of Education Satara
41	Production And Regulation Of Chemicals And Toxins Or Environmental Conservation	07/12 to 13/12/2022	International Short Term Training Program	Raj Rishi Government Autonomous College Alwar Rajasthan

#### 14. Innovations/ Contributions in Teaching

a) Design of Curriculum : Not Applicable

b) Extension activities/ consultancy/ community works :-

**Extension activity: A poster presentation was organized on 22/04/2022 for social awareness regarding food adulteration.**

c) Invited Lectures/Resource Person/ Chairmanships at National/ International Conference/ Seminar etc.

#### 15. Membership of Academic Organizations:

(A) Membership of Professional Bodies:

**Life Member of Amravati University Chemistry Teachers Association (AUCTA)**

**LM No 295**

## 17. Any other Information :

### A. Patents:

Sr.No.	Title	Patent Published Number and Date	Patent Granted Number and Date
01	Detection and Classification of Cassava Disease With an Unbalanced data Set Using DCNN From Plants Scratch To Enhance Precision	202141039650 24/09/2021	--
02	Catalyst Materials For Producing Hydrogen Gas From Water	2141044044 08/10/2021	--
03	Quantitative Trait Loci Analysis For Assessing Ragi's Blast Resistance Using Machine Learning Technique	--	2021106339 10/11/2021

**B. Reviewer of Web of Science International Journal and submitted more than 10 Reviews**

**C. 5 years of Teaching Experience at UG college “Matoshri Nanibai Gharphalkar Science College, Babhulgaon” Dist Yavatmal and GVISH Amravati**

**D. Worked on various committees**

- i. Coordinator of National identities and symbol, Birth anniversary of great Indians and Sustainability, Professional ethics**
- ii. Working on Student Council/Committee**
- iii. Working on Music, Arts and Cultural Cell**
- iv. Worked as organizing committee member in inter collegiate cross country championship 2022-2023 ( 3/10/2022)**
- v. Worked as organizing committee member in inter collegiate annual atheletic meet 2022-2023( 15-17 Nov 2022)**
- vi. Worked as teacher incharge in youth festival (13-14 Oct 2022)**
- vii. External for M.Sc II Project**
- viii. Paper setting for B.Sc. I year (GVISH Amravati)**
- ix. Moderation duty in GVISH for Win-22 and Sum 22 Exam**
- x. Practical external duty for B.sc I 8-9 Dec 2022 (GVISH Amravati)**
- xi. Worked as Incharge teacher in Avishkar (P.R.Pote college )12/12/2022**

**Dr Bhavana P. Khobragade**