

## BIODATA



- 1) Name : Prof. Dr. Mrs. Pravina Baburao Piste
- 2) Birth Date : 25<sup>th</sup> July 1967
- 3) Date of Appointment in Sanstha : 1<sup>st</sup> October 1994
- 4) Designation : Professor in Chemistry
- 5) Broad Subject : Chemistry
- 6) Area of Specialization : Organic Chemistry
- 7) Research area : Synthetic Organic Chemistry (Heterocyclic)
- 8) University approval : I/T.3/F-31/SPP/2996 Date 29/06/1996
- 9) Email Address : [ppiste321@gmail.com](mailto:ppiste321@gmail.com)
- 10) Educational Qualification: M.Sc., M.Phil., Ph.D.

Degree obtained	University	Subject	Year of passing	Class
B.Sc.	Shivaji University, Kolhapur	Chemistry	May 1987	First Class with Distinction
M.Sc.	Shivaji University, Kolhapur	Organic Chemistry	May 1989	First Class
M.Phil.	Shivaji University, Kolhapur	Synthetic Organic Chemistry	10 <sup>th</sup> Feb. 1992	'A' Grade
Ph.D.	Shivaji University, Kolhapur	Synthetic Organic Chemistry	27 <sup>th</sup> July 1998	--

### 11) Additional Course:

Course	Place	Year	Grade
Diploma in Informational Technology	K.B.P. Institute of Informational Technology Satara	2003	A <sup>+</sup>

### 12) Recognition as a Research Guide:

Permanant Recognition as a Post graduate Teacher for M.Sc., M.Phil.  
(Ref.No.SU/PG/AFFI/RECOG /RCHE/ 2996 dated 2<sup>nd</sup> July.2007) and Ph.D. Courses  
(Ref.No.SU/PG/AFFI/RECOG/8038 dated 5<sup>th</sup> Oct.2010).

**13) Teaching Experience: UG:27 years; PG: 13 years**

Sr. No.	Name of the College	Duration	No. of Year	Total
1	R. C. Shahu College, Kolhapur.	01/10/1994 to 20/04/1995	6 months, 20 days	27 years
2	R. C. Shahu College, Kolhapur.	07/08/1995 to 16/10/1995	2 months, 9 days	
3	R. C. Shahu College, Kolhapur.	03/01/1996 to 23/06/1996	5 months, 20 days	
4	Y.C. Institute of Science., Satara.	24/06/1996 to 31/12/2019	23 years, 6 months	
5	Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar(Burli)	1/01/2020 to 22/08/2022	2 years, 7 months	
6	R. C. Shahu College, Kolhapur.	23/08/2022 till now	2 Months	

Sr.No.	Name of the College	Duration	No.of Years	Total
M.Sc.-I	Y.C. Institute of Science, Satara.	2008-2019	11	13 years
M.Sc.-II		2009-2019		
M.Sc.-I	Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)	2020-2022	02	

**14) Research Experience : 30 Years**

**M. Phil :** Title of Dissertation : Synthesis of some new N<sup>1</sup> substituted quinoline (1H)-one derivatives.

**Ph.D. :** Title of Thesis : Synthesis of some new aziridine derivatives.

**15) Ph.D.Awarded under guidance :**

1. Dr. Sayaji Shivaji Didwagh

Title of Work: Novel synthesis of Thiazine and Oxazine derivatives

**Award of Ph.D.:** 10<sup>th</sup> feb. 2016

2. Dr. Balaji Trmbak Khogare

Title of work: Liquid anion exchange extraction and separation of precious metals by using 4-heptylaminopyridine

**Award of Ph.D.:** 16<sup>th</sup> April 2018



3. Dr. Shubhangi Prakash Waghmale

Title of Work: Novel synthesis and antibacterial activity of five membered ring containing three hetero atoms

**Award of Ph.D.: 18<sup>th</sup> August 2018**

4. Dr. Bhagyashri Ashok Lole

Title of Work: Synthesis and antimicrobial screening of five membered ring containing Nitrogen and Oxygen hetero atom

**Award of Ph.D.: 18<sup>th</sup> Feb.2019**

5. Mr. Rohit Ramchandra Powar

Title of work: Synthesis and characterization of mixed metal oxides for gas sensing application

**Award of Ph.D.: 21<sup>st</sup> Nov.2019**

6. Name: Mr. Dhairiyashil Shankar Salunkhe( working)

Title of Work: Novel synthesis of Azetidine derivatives

7. Mrs. Varsha Lalasaheb Kamble( Thesis submitted)

Title of work: Synthesis of azo dyes with heterocyclic moiety

#### **16) Editorial Member of Research Journal**

- ❖ International Journal of Pharmacy-Bioinfo Publication-India
- ❖ International Journal of Pharmaceutical Chemistry-SAS Publisher-India
- ❖ International Journal of Current Science (New Liberty publisher) -USA

#### **17) Research Publications: 61**

1. Synthesis of some New N<sup>1</sup>-substituted quinoline-2(1H)-one derivatives.

M. B. Deshmukh and Mrs. P. B. Piste, J. Indian Chem. Soc. 68, pp. 573-574 (1991)

2. Synthesis of some New derivatives of N<sup>1</sup>-Acetylhydrazido quinoline-2(1H)-ones.

M. B. Deshmukh and Mrs. P. B. Piste, J. Indian Chem. Soc. 69, pp. 232-233 (1992)

3. New method for aziridination of alkenes.

M. B. Deshmukh and Mrs. P. B. Piste, Indian J. Chem. 31B(7), 456 (1992), IF:0.523

4. Synthesis of some New Benzopyrano Pyridazine-3-one.

- M. B. Deshmukh and Mrs. P. B. Piste ,Indian J. Chem. 69, pp. 405 (1992) IF: 0.523
5. Synthesis of some New N-Amidoaziridines.  
M. B. Deshmukh and Mrs. P. B. Piste ,Indian J. Chem. 32B, 581 (1993) IF: 0.52
6. A New method for aziridination of olefinic esters.  
M. B. Deshmukh and Mrs. P. B. Piste ,Indian J. Chem. 32B, 1055,1993,IF: 0.523
7. Selective aziridination of olefinic esters.  
M. B. Deshmukh and Mrs. P. B. Piste ,Collect, Czech. Chem. Common. 58(7), 1795 (1993), Chem. Abstr. 120, 21711 d(1994)
8. Selective aziridination of olefinic esters.  
M. B. Deshmukh and Mrs. P. B. Piste ,Montash, Chem., 125, 743 (1994)
9. Synthesis of some New aziridine derivatives.  
M. B. Deshmukh and Mrs. P. B. Piste ,Indian J. Chem. 35B, 17471 (1996) IF: 0.523
10. Selective aziridination of olefins.  
M. B. Deshmukh and Mrs. P. B. Piste ,Indian J. Chem., 35B, 1137 (1996) IF.: 0.523
11. Synthesis of some new N<sup>1</sup>-substituted Phthaliamido derivatives.  
M. B. Deshmukh and Mrs. P. B. Piste ,Indian J. Chem. 39B, (2000) IF: 0.523
12. Synthesis and antimicrobial activity of thiazine derivatives  
P. B. Piste and S.S. Didwagh , Journal of Chemical and Pharmaceutical Research , 5(4), 171-174, 2013.
13. Synthesis and antimicrobial screening of some new N1-substituted Citralidene hydrazido quinolin-2(1H)-one derivatives  
P.B. Piste, S M. Kanase, S.B. Shevale and M.S. Kanase ,Journal of Chemical, Biological and Physical Sciences , 2013.
14. Effect of Insulin-Disease and Syndrome  
P.B. Piste and P.B. Chavan  
International Journal of Research in Pharmaceutical and Biomedical Sciences  
Vol.4(1); 196-201; Jan-Mar.2013.
15. Cystein- Master antioxidant



- P.B. Piste, International Journal of Pharmaceutical, Chemical and Biological Sciences, 3(1), 143- 149, (2013).
16. Synthesis of some new p-Amino azobenzene with Thymol moiety  
P.B. Piste, D.P. Indalkar, P. Mundada and D.N. Zambare  
International Journal of Chemistry Research 2012.
17. Green synthesis of thiazine and oxazine derivatives - a short review  
S.S. Didwagh and P.B. Piste  
IJPSR, Vol. 4(6): 1000-1016, 2013, ISSN: 0975-8232.ICV:5.67
18. Novel synthesis and antimicrobial activity of Bis-oxazine derivatives  
S.S. Didwagh and P.B. Piste  
Journal of Chemical and Pharmaceutical Research, Vol. 5(5):271-274, 2013.
19. Pharmacological Activities of Triazole, Oxadiazole and Thiadiazole  
P.B. Piste and S.P. Waghmale  
International Journal of Pharma .and Biomedical Sciences (2013) ; 4(3): (P)  
310 – 332, ISSN 0975-629.
20. Calcium and its Role in Human Body  
P.B. Piste, S.S. Didwagh and A.V. Mokashi  
International Journal of Research in Pharmaceutical and Biomedical Sciences, Vol. 4  
(2) Apr– Jun 2013 ,659-668,ISSN: 2229-3701.
21. Novel one-pot synthesis and antimicrobial activity of 7-chloro-4-phenyl-3,4-dihydro-2H-1,3-benzoxazin-2-one derivatives.  
P.B. Piste and S.S. Didwagh  
Pelagia Research Library Der Chemica Sinica, 2013, 4(4):12-16
22. Novel one - pot Synthesis and Antimicrobial Activity of 6-chloro-2,4-diphenyl 3,4-dihydro-2H-1,3-benzoxazine Derivatives.  
S.S. Didwagh and P.B. Piste  
International Journal of ChemTech Research CODEN( USA), ISSN : 0974-4290 Vol.5,  
No.5, 2199-2203, 2013.

23. Novel synthesis of Oxadiazole derivatives with Pyrimidine moiety.  
P.B. Piste and S.P. Waghmale ,Int. J. Pharm. Sci. Res, 2013; Vol. 4(11): 4416-4421.  
2199-2203,2013.
24. Novel synthesis and antimicrobial activity of bis-oxazine derivatives  
S.S. Didwagh and S.P. Waghmale  
Journal of Chemical and Pharmaceutical Research, 2013, 5(5):271-274
25. Synthesis and antimicrobial evaluation of novel 3-(4,6- diphenyl-6H-1,3-thiazin-2-yl)-2-(4-methoxyphenyl) thiazolidin-4-one derivatives  
S.S. Didwagh and P.B. Piste ,Journal of Applied Pharmaceutical Science Vol. 3(11), 122-127,2013
26. Green Synthesis of Triazole Derivatives with Pyrimidine Moiety  
S.P. Waghmale and P.B. Piste , Int. J. Pharm. Sci. Rev. Res., 22(2), Sep – Oct 2013; n° 09, 46-49 ISSN 0976 – 044X.
27. Microwave assisted rapid synthesis of some novel oxadiazole derivatives with pyrimidine moiety,  
S.P. Waghmale and P.B. Piste ,International Journal of Pharmacy, 104 (2013) 368-373.
28. Novel synthesis of Oxadiazole derivatives with Pyrimidine moiety  
S.P. Waghmale and P.B. Piste  
Int. J. Pharm. Sci. Res, 2013; Vol. 4(11): 4416-4421.
29. A brief review on recent synthesis of 2- Azetidinone derivatives  
P.B. Piste and D.S. Salunkhe , Int. J. of Pharm. Sci. Res, 2014; Vol. 5(3): 1000-1023.
30. Cholesterol and the health  
P.B. Piste and V.B. Patil , 'Resonance Journal' volume 11, No. 2 , Indian Academy of Science, Bangalore (2006).
31. Facile synthesis of phenyl acyl ether by using crown ether  
S.M. Kanase, P.B. Piste and S.B. Shevale ,Int. J. Pharm. Sci. Rev. Res., 21(2), 2013; n° 09, 46-49 ISSN 0976 – 044X.
32. Synthesis of Chalcones by grindstone chemistry as an intermediate in Organic Synthesis,



- P.B. Piste ,Int. J. of Current Science, 2014,2250-1770
33. Synthesis of some N1-substituted pyrazole derivatives by grinding techniques  
Pravina Piste and Dnyandevo Zambare, Int. J. Pharma.Res. BioSci. (2014) 2277-8713
34. Facile synthesis and antimicrobial screening of pyrazole derivatives  
Pravina Piste ,World J. Pharma. Res. 2014, 2277-7105
35. Facile green synthesis and antimicrobial evaluation of some novel thiazolidinones with pyrimidine moiety.  
Pravina Piste and Maruti Kanase ,World J. of Pharm.Res.,2014;3(4),668-677
36. Novel Synthesis of some thiazolidinone derivatives  
M.S. Kanase,D.S.Salunkhe, P.B.Piste and D.N.Zambare ,INT J CURR SCI2014,13: E 10
37. An Efficient, Operationally Simple and Green Method for Synthesis of Imidazoles with Antibacterial Activity.  
P.B. Piste ,World J. of Pharm.Res..2014,3(10);1103-1110.
38. Development of a solvent extraction system with 4-heptylaminopyridine for the selective separation of palladium(II) from synthetic mixtures, catalysts and water samples  
B.T. Khogare, M.A. Anuse, P.B. Piste & B.N. Kokare;  
Desalination and Water Treatment, Taylor and francis, (2015) 1–11.
39. Development of a solvent extraction system with 4-heptylaminopyridine for the selective separation of platinum(IV) from catalysts, anticancer injections and water samples  
B. T. Khogare,M. A. Anuse, P. B. Piste and B. N. Kokare\*,Anal. Methods, 2016, 8, 2156
40. Development of novel solvent extraction method for determination of gold(III) using 4-heptylaminopyridine: Application to alloys and environmental analysis  
Balaji T. Khogare,\*, Ganesh S. Kamble, Arjun N. Kokare, Sunil B. Zanje,  
Vishal J. Suryavanshi, Mansing A. Anuse, Pravina B. Piste,\*\*, Balasaheb N. Kokare  
Journal of Environmental Chemical Engineering 4 (2016) 3075–3083.
41. Microwave assisted novel synthesis and antimicrobial evaluation of 2-[(5-[(*ZZ*)-Phenyl methylidene/phenylethylidene]amino}-1,3,4-thiadiazol-2 yl)methyl]-1*H*-isoindole-1,3-(2*H*)-dione derivatives

- Pravina Piste and Bhagyashri Lole; Journal of Chemical and Pharmaceutical Research ,Vol.8(2), 359-364, (2016).
42. Microwave assisted rapid synthesis and antimicrobial screening of N-[3-chloro-2(sub.)-4-oxoazetidin-1-yl] –benzamides.  
Pravina Piste and Dhairyashil salunkhe; Journal of Chemical and Pharmaceutical Research.4(4),12-16 (2016).
43. Microwave assisted novel synthesis of ethanone derivatives  
Pravina Piste and Shubhangi Waghmale ,Journal of Chemical and Pharmaceutical Research2016,8((1),590-594
44. Solid supported microwave assisted 1,3,4-oxadiazoles  
Pravina Piste and Bhagyashri Lole ,Int.J.of Pharm.Sci.Res2016,7(5),1000-1005
45. On-Pair Based Solvent Extraction of Rhodium (III) from Malonate Medium Using 4-heptylaminopyridine as an Extractant: Application to Alloys and Environmentally RelevantMatrices  
Balaji T. Khogare, Umesh B. Barache, Shashikant H. Gaikwad, Mansing A. Anuse, Pravina B. Piste & Balasaheb N. Kokare,Analytical Chemistry Letters, 8 (2), 230-243.
46. Development of a solvent extraction system with 4-heptylaminopyridine for the selective separationof palladium(II) from synthetic mixtures, catalysts and water samples  
B.T. Khogare, M.A. Anuse, P.B. Piste & B.N. Kokare Desalination and Water Treatment, (2015) 1–11.
47. Development of a solvent extraction system with 4-heptylaminopyridine for the selective separation of platinum(IV) from catalysts, anticancer injections and water samples  
B. T. Khogare, M. A. Anuse, P. B. Piste and B. N. Kokare Anal. Methods, 2016, 8, 2156
48. Development of novel solvent extraction method for determination of gold(III) using 4-heptylaminopyridine: Application to alloys and environmental analysis  
Balaji T. Khogare, Ganesh S. Kamblec, Arjun N. Kokarec, Sunil B. Zanje, Vishal J. Suryavanshi Mansing A. Anuse, Pravina B. Pisteb, Balasaheb N. Kokare



- Journal of Environmental Chemical Engineering 4 (2016) 3075–3083
49. Structural, morphological, and magnetic properties of  $\text{Zn}_x\text{Co}_{1-x}\text{Fe}_2\text{O}_4$  ( $0 \leq x \leq 1$ ) prepared using a chemical co-precipitation method  
Rohit R. Powar, Varsha D. Phadtare Vinayak G. Parale, Hyung-Ho Park, Sachin Pathak, Pravin R. Kamble, Pravina B. Piste, Dnyanashwar N. Zambare  
Ceramics International (2018), 44 (17), 20782-20789
50. Synthesis and characterization study of dual phase mixed zinc cobalt ferrite nanoparticles prepared via chemical co-precipitation method  
Rohit R. Powar, Ashok B. Gadkari, Pravina B. Piste, Dnyandevo N. Zambare  
Advanced Materials Proceedings 2018, 3(8), 517-520
51. Green Techniques in Synthesis of Some Thiazolidinones  
Maruti S. Kanase, Pravina B. Piste\*  
International Journal of Pharmaceutical Sciences and Drug Research 2017; 9(2): 38-43
52. Synthesis of 1- Naphthol azo dyes with nano silica supported periodic acid under solvent free conditions at room temperature  
Pravina Piste, Varsha Kamble, Rohit Powar and Dnyandevo Zambare  
National Conference on Frontier Areas in Chemical Sciences on 27-28<sup>th</sup> Jan. 2017, 91-96, ISBN No. 978-81-928732-5-1
53. Novel synthesis and antimicrobial activities of Thiazino-Oxazine Derivatives  
Pravina Piste, Int.J.Pharm.Sci.Drug and Res. 2018,10(4),206-212
54. Nano silica sulfuric acid catalyzed facile synthesis of azothiadiazoles under co-grinding and solvent-free technique  
Varsha Kambale, Jagannath Jadhav, Pravina Piste, Indian Journal of Chemistry ,61,6,650-658,2022.
55. Nanocrystalline spinel zinc-substituted cobalt ferrite thick film an efficient ethanol sensor  
RR Powar, VG Parale, VD Phadtare, SB Wategaonkar, RK Mane, Materials Today Chemistry 22, 100607
57. Ultrasound-assisted, green and efficient synthesis of ferrocene-appended azo phenothiazines  
V Kambale, J Jadhav, P Piste, Current Research in Green and Sustainable Chemistry 4,

100125

58. Effect of zinc substitution on magnesium ferrite nanoparticles: Structural, electrical, magnetic, and gas-sensing properties  
RR Powar, VD Phadtare, VG Parale, S Pathak, KR Sanadi, HH Park, Materials Science and Engineering: B 262, 114776
59. Structural and magnetic properties of Cr-Zn nanoferrites synthesized by chemical Co-precipitation method.  
RR Powar, VD Phadtare, VG Parale, S Pathak, PB Piste, DN Zambare  
Journal of the Korean Ceramic Society 56 (5), 474-482
60. Synthesis and characterization study of dual phase mixed zinc cobalt ferrite nanoparticles prepared via chemical co-precipitation method  
RR Powar, AB Gadkari, PB Piste, DN Zambare, Adv. Mater. Process. 3 (8), 517-520.
61. Effect of zinc substitution on magnesium ferrite nanoparticles: Structural, electrical, magnetic, and gas-sensing properties  
RR Powar, VD Phadtare, VG Parale, S Pathak, KR Sanadi, HH Park, Materials Science and Engineering: B 262, 114776.

**18) Books published :**

- At International level: 11
- At University level : 16

**19) Curricular Activities:** Non projected aids, projected aids ( ICT tools; OHP, PPT, Visualizer) video clips, Models, Lab demonstration, Group discussion, Question and Answer, Feed Back from Students, Seminar Activities, Participation in Curriculum Design

**20) BOS Subcommittee member:**

- Member of BOS-Subcommittee at Shivaji University, Kolhapur for B.Sc. Part-I and M.Sc. Part-I.
- Member of BOS-Subcommittee at S.G.M. College, Karad (Autonomous) for B.Sc. Part-I and M.Sc. Part-I
- Member of BOS at Y.C. Institute of Science, Satara( Autonomous) for UG and PG Courses.

**21) Responsibilities of Shivaji University, Kolhapur**



- ❖ Worked as Internal referee for Ph.D. Thesis evaluation
- ❖ Worked as Member of LIC committee
- ❖ Worked as Member of CAS –Subject expert
- ❖ Worked as Member of API scrutiny committee
- ❖ Worked as Chairman of Paper setter for B.Sc. Part-I,II andIII, Moderator and Examiner
- ❖ Worked as a Member of BOS subcommittee
- ❖ Worked as a V. C. Nominee for the placement of 5<sup>th</sup> pay commission
- ❖ Worked as External and Internal Senior supervisor
- ❖ Worked as a Subject expert for subject interview.

**22) Worked as Chief Guest:**

- ❖ One day teachers University level workshop on modern Analytical techniques at G.S. Pharmaceutical Education and Research, Satara on 27<sup>th</sup> August 2015.
- ❖ University level one day Teachers workshop at Satara College of Pharmacy, satara on 14<sup>th</sup> August 2014
- ❖ One day workshop on Research Methodology at Y.C. Institute of Science, Satara on 5<sup>th</sup> March 2019
- ❖ One day University level workshop on Teachers Training programme on Revised Syllabus of M. Sc.-II at Dahiwadi College, Dahiwadi on 17<sup>th</sup> August 2013.
- ❖ One day University level workshop on Presentation Skill at Y.C.Institute of Science, Satara on 30<sup>th</sup> Sept.2013
- ❖ Eight days state level workshop on JRF/SRF / CSIR/ NET/SET Guidance on 14-22<sup>nd</sup> May 2011 at Y.C. Institute of Science, Satara
- ❖ one day workshop on 11<sup>th</sup> Std. New Syllabus according to CBSC pattern on 30<sup>th</sup> June 2011 at Y.C. Institute of Science, Satara.
- ❖ Poster session Examiner International Conference on Innovations in Energy, Polymer and Environmental Sciences at Y.C. Institute of Science, Satara
- ❖ Worked as Chairperson in National Conference on Frontier of Research in at S. G. M. College, Karad on 28-29<sup>Th</sup> Dec.2013.

- ❖ one day workshop on Research Methodology and Hands on Training on 9<sup>th</sup> February 2018 at Y.C. Institute of Science, Satara

**23) Organization of Conferences, Seminars and Workshops: Chairman, Convener, Co-ordinator, Organizing secretary and member of organizing committee**

- ❖ UGC Sponsored National Conference –New horizons in Chemical Sciences
- ❖ UGC Sponsored National Conference –Recent Trends in Chemistry
- ❖ UGC Sponsored National Conference –Emerging Trends and Technique in Chemistry
- ❖ UGC Sponsored State level Seminar –Nuclear Chemistry
- ❖ Organization and Participation in University Level Curriculum Based Workshops
- ❖ Organization of One day workshop on Presentation Skill to Faculty and PG Students
- ❖ Organization of One day workshop on Faculty Training Programme
- ❖ Organization of One day workshop on Research paper drafting and Research project proposal of different funding agencies to Faculty and PG Students
- ❖ Organization of two week workshop on Employability skills for UG and PG students.

**24) . Award , Fellowships and Recognition:**

1. Selected as **summer fellow of the academy for 2003** at Indian Institute of Technology, Kanpur organized by Indian Academy of Science, Bangalore under the guidance of Prof. Y. D. Vankar, Department of Chemistry, I.I.T., Kanpur.
2. **Best Poster presentation award**” at International Conference on ‘Innovations in Energy, Polymer and Environmental Sciences’ Organized by Rayat Shikshan Sanstha, Satara held at Yashavantrao. Chavan. Institute of Science, Satara on 10<sup>th</sup>-12<sup>th</sup> January 2014. Title: Synthesis and Antimicrobial Activity of Thiazine Derivatives Award: **First Prize**
3. **Best Oral presentation award**” at International Conference on “Challenges and Opportunities before 21<sup>st</sup> century India In the Field of Social Sciences, Management



and Technology at Rajarshi Chhatrapati Shahu College, Kolhapur on 6<sup>th</sup>-7<sup>th</sup> feb. 2016. Title: Microwave assisted rapid synthesis and antibacterial evaluation of 1-(2-methyl-2, 5-substituted diphenyl-1, 3, 4-oxadiazol-3(2*f*)-yl) ethanone derivatives, Award: **Second prize**

4. **Certificate of Excellence** in reviewing as a Reviewer in different Journals at International level.

5. Working as **Honorary Professor** at Rayat Shikshan Sanstha's Rayat Institute of Research Development from 1/08/2018 till now

## **25) Research Projects :**

1) **CSIR Project** : Worked as senior research fellow on CSIR project entitled synthetic methods

in new aziridine derivatives on 01/10/1991 to 31/03/1994 at Shivaji University, Kolhapur under the guidance of Prof. M. B. Hogale (Deshmukh), Department of Chemistry, Shivaji University, Kolhapur.

2) **UGC Project** : One minor research project is undertaken entitled 'Synthesis of Some New Anthracene Derivatives' approved by UGC, WRO office Pune, 411007 on 21<sup>st</sup> December 2006 by sanctioning Rs. 77,000/- grant as a principal investigator.

3) **UGC Project** : Minor research project is undertaken entitled 'Synthesis of Some New N1-Citralidene Hydrazido Quinolin- 2(1H)-One Derivatives' approved by UGC, WRO office Pune, 411007 on 21<sup>st</sup> December 2009 by sanctioning Rs.50,000/- grant as a principal investigator.

4) **UGC Project**: Minor research project is undertaken entitled 'Synthesis of Some New Diaziridine Derivatives. approved by UGC, WRO office Pune, 411007 on 21<sup>st</sup> February 2008 by sanctioning Rs.65,000/- grant as a Co-investigator.

5) **UGC Project** : Minor research project is undertaken entitled ,” A green protocol- Microwave assisted rapid synthesis and antimicrobial activity of some new 4-Oxo-thiazolidine derivatives” approved by UGC, WRO office Pune, 411007 on 21<sup>st</sup> March 2012 by sanctioning Rs.65,000/- grant as a Principle investigator.

**26) Participation in National, International and state level Seminar, Conference and Workshops : 35**

**27) Presentation of paper at National and International Level : 22**

**28) Organization of Seminars, Conferences and Workshops as a Organizing committee member : 19**

**29) Participation in Extra Curricular Activities:**

Active participation in Pulse Polio Scheme, blood donation camp, anti addiction awareness workshop ,HIV aids youth festival 2007 ,poster presentation on National Literacy Mission, no vehicle day programme ,HIV – AIDS by CYDA Pune ,Students Life Style Educational Programme, Human Rights and Women empowerment ,Health management Practices And Social ,personality development ,Sujan Nagric Bananyasathi,,Hb detection Outlook in Aids under Health Care committee

**30) Membership of Research Journal:-**

- a) Suscriber for Indian Journal Of Chemistry(Two Years)From 2007.
- b) Suscriber for Journal of Chemical Technology(Two Years) From 2010.

**31) Teaching Methods applied :**

- i) Lecturer, demonstration, discussion, explanation of important and scope of the subject.
- ii) Interaction with the students by communication skill.
- iii) Asking questions, explaining the points through diagram, charts and models.
- iv) Explaining and illustrating with example.
- v) Solvation of Problems.
- vi) Feed back from students.

**32) Teaching method developed :**

- i) Sociometric Techniques such as Questionnaires, by use of non projected aids such as assignment, chalk board, programmed learning notes, chart model etc.
- ii) Motivation
- iii) Planning suitable activities
- iv) Identifying and defining specific objectives
- v) Identifying and defining general objectives



- vi) Selecting teaching points
- vii) Evaluating
- viii) Using the result of feed back

### **33) Evaluation Techniques :**

- i) To bring out inherent capability of a student such as proper attitudes, habits, manipulative skills, appreciation and understanding in addition to conventional acquisition knowledge.
- ii) Introduction of application of knowledge in proper situation.
- iii) Achievement of objectives and personality development
- iv) Home work, class work, observation scales, participation in social and cultural activities.
- v) Question paper setting (Terminal, Talent, Progressive)
- vi) To make provision for guiding the growth of individual pupil.
- vii) To diagnose their weakness and strength.
- viii) To pinpoint areas when remedial measures may be desirable.

### **34) Life Member of Professional bodies :**

- i) Member of Shivaji University Teacher Association.
- ii) Member of Shivaji University Chemistry Teacher Association.

- vi) Selecting teaching points
- vii) Evaluating
- viii) Using the result of feed back

### **33) Evaluation Techniques :**

- i) To bring out inherent capability of a student such as proper attitudes, habits, manipulative skills, appreciation and understanding in addition to conventional acquisition knowledge.
- ii) Introduction of application of knowledge in proper situation.
- iii) Achievement of objectives and personality development
- iv) Home work, class work, observation scales, participation in social and cultural activities.
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- vi) To make provision for guiding the growth of individual pupil.
- vii) To diagnose their weakness and strength.
- viii) To pinpoint areas when remedial measures may be desirable.

### **34) Life Member of Professional bodies :**

- i) Member of Shivaji University Teacher Association.
- ii) Member of Shivaji University Chemistry Teacher Association.

**Incharge**

**(Prof. Dr. Mrs. Pravina B. Piste)**