# Shri Shivaji College of Arts, Commerce and Science, Akola
## Faculty Profile

**1. Name** : Dr.Jaishree Vivek Bhale

**2. Address (residential)** : C/O Mr Tushar Ramesh Suley,
20, "Jidnyasa", Khedkar nagar,
Near Disha prashikshan kendra,Akola
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**3. Phone No. / Cell No.** : +91-9926154939

**4. E-mail address:** bhalejaishree@gmail.com

**5. Designation :** Assistant Professor

**6. Department :** Department of Physics

**7. Date of birth** : 06 Jan 1973

**8. Area of specialization :** Solid State Physics & Digital Electronics

**9. Academic qualification**

| **Examination passed** | **Board/ University** | **Subject/ Specialization** | **Year of passing** | **Division/ Grade/ Merit** |
|---|---|---|---|---|
| Bachelor's Degree | Amravati University | Physics, Electronics, Mathematics | 1994 | First |
| Master's Degree(M.Sc.) | Amravati University | Physics | 1997 | First |
| M.Phil | Madurai Kamraj University | Physics | 2012 | Second |
| B.Ed | Shri Devi Ahilya | | 1998 | First |

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|---|---|---|---|---|
| | Vishwavidhyalaya | | | |
| Ph.D. | Shri Devi Ahilya Vishwavidhyalaya | X-Ray, K-Absorption Near Edge And Fine Structural Studies Of Some Copper (II) Complexes | 2016 | |

**10. Membership of Academic Organizations:**

a) The Indian Association of Physics Teacher, Kanpur.

**11. Seminars/ Conferences/ Symposia/ Conferences attended and organised**

| S.No | Name of the Conf./Seminar/ Workshop etc | Place and Name of the Sponsoring Agency | Date | Paper Presented |
|---|---|---|---|---|
| 1. | National Seminar on Nanomaterials: Synthesis and Application (NSNSA-2013 | Govt Autonomous Post Graduate College, Chhindwara (M.P) | 4-6 March 2013 | Paper Presented |
| 2. | International Conference on Recent Trends in Physics (ICRTP 2014) | School of Physics, DAVV, Indore (M.P) | 22-23 Feb 2014 | Paper Presented |
| 3. | National Seminar on Recent Trends in Nanophysics (NSRTN 2014) | UGC Bhopal , IAPT and PMB Gujarati Science College, Indore (M.P) | 25-26 Feb 2014 | Paper Presented |
| 4. | National Conference on Emerging Trend in Physical and Chemical Sciences(NCET-PCS 2014) | M.P Council of Science and Technology, Bhopal and Govt Holkar Science College, Indore (M.P) | 15-16 March 2014 | Paper Presented |
| 5. | National Conference on Emerging Trend in Nanoscience (ETNS-2014) | Medicaps Groups of Institutions, Indore (M.P) | 12 Sept 2014 | |

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| 6. | National Conference on Innovative Trends in Applied Sciences, Humanities, Management and Environment (ITASHME- 2014) | Shri Vaishnav Institution of Technology and Science, Indore (M.P) | 14 Oct 2014 | Paper Presented |
| 7. | National Multi Conference on Modern Advances in Physics for Interdisciplinary Developments | Dept of Engineering Physics, Lakshmi Narain College of Technology, Indore (M.P) | 29 Nov 2014 | |
| 8. | National Seminar on Women Empowerment and Their Role in Sustainable Development of India (3rd Madhya Pradesh Women Science Congress) 2014 | M.P Council of Science and Technology, Bhopal and Govt Holkar Science College, Indore (M.P | 29-29 Dec 2014 | Paper Presented |
| 9. | Prof. Babulal Saraf Memorial All India Laboratory Worhshop on Experimental Physics For P.G Teachers | MPCST, IAPT & UGC-DAE-CSR, INDORE | Feb 2-7 2015 | Participation |
| 10 | Trainning program on SPSS system | Shri Cloth Market Institute of Professional Studies, Indore (M.P) | 14-15 March 2014 | Attended |
| 11. | National Conference on Recent Advances in Physical and Mathematical Sciences (NCRAPMS-2020) | Shri Shivaji College Of Arts, Commerce and Science, Akola (M.S) | 18 Jan 2020 | Paper presented |
| 12. | National Conference on Multidisciplinary Reseach in Science and Technology(NCMRST-2020) | Shri R.L.T College of Science, Akola(M.S) | 24 JAN 2020 | Paper presented |

**12. Teaching Experience**

| Courses Taught | Name of the University/ | Duration |
|---|---|---|

| | | |
|---|---|---|
| | College/ Institution | |
| H.Sc | Various CBSE Schools of Indore (M.P) | 13 Years |
| UG | Shri Cloth Market Institute of Professional Studies, Indore (M.P) | 6 Years |

**13. Innovations/ Contributions in Teaching**

**a. Design of Curriculum**:

For classroom lectures synopsis is already distributed well in advance to the students and make them aware for further preparation to keep them ready for questions in the classroom.

**b. Teaching Methods**:

i) Usual Classroom teaching method adopted usually along with some model, Chart, OHP and LCD projector used for special lectures as when required.

ii) Seminar in different units as per syllabus.

**c. Laboratory Experiments**: -

i) Experimental Demonstration, followed by explanation on actual practical.

ii) Encouraging students to fabricate and design various experiments based on syllabus.

**d. Preparation of resource materials**:-

i) Notes on theory as well as practical are distributed and some reference books for up-to-date knowledge is recommended.

ii)Practical manuals were prepared for each experiment and made available for students.

**e. Remedial teaching**:

Guidance to the students weak in studies during free and spare time.

**14. Role in college activities:**

i) Career Guidance and Placement cell, ii) Admission Committee, iii) Quiz Competition Committee, iv) Students Seminar Competition, v) Science Exhibition.

**15. Role in university activities:**

Invigilation in University Examination and College test Exams

**16. Any Important Publications, Any other Achievements, Any information (Optional):**

(starting with the latest)

## List of publications as on 1 Jan. 2020

**(National and International Journal publications): 17**

1. XAFS Study of Mixed Ligand Copper (II) Complex of Salicylic Acid, **Jaishree Bhale** , Satish Shelke, Gitanjali Kale, F.H.Kurne Inamdar ,Pradeep Sharma, JETIR , *Volume 6, Issue 4, April 2019.*
2. XANES and EXAFS Studies of Copper(II) Complexes of 1,4-Dihydrquinoxaline-2,3-dione ,**Jaishree Bhale**, Satish Shelke, Sangshetty Kalayne, Pradeep Sharma , JETIR**,** *Volume 6, Issue 3, March 2019.*

3. XANES Study of Copper (II) Complexes of p-toluidine, **Jaishree Bhale**, Pradeep Sharma, A.Mishra, IJIR, *Vol-3, Issue-5, 2017.*
4. EXAFS Study of Copper (II) Complexes of Aeromatic Aldehydes, **Jaishree Bhale,** Pradeep Sharma, A.Mishra IJSRD, *Vol. 5, Issue 02, 2017.*
5. Extended Fine Structure of the X-ray K-Absorption Discontinuity in Some Copper(II) Mixed Ligand Complexes of Benzaldehyde,**Jaishree Bhale**, Pradeep Sharma, A.Mishra, IJIRST, *Vol 3, Issue 12, May 2017.*
6. XAFS Study of Copper (II) Complexes of P Anisidine ,**Jaishree Bhale,** Pradeep Sharma, A.Mishra , IJIRST, *Vol 3, Issue 12, May 2017.*
7. EXAFS Study of Copper (II) Mixed Ligand Complexes of 8 – Hydroxyquinoline, **Jaishree Bhale**, Pradeep Sharma & A. Mishra, IJIR, *Vol-3, Issue-4, 2017.*
8. XANES Study of Copper (II) Complexes of Aeromatic Amines, **Jaishree Bhale**, Pradeep Sharma, A.MishraIJSRD, *Vol. 5, Issue 02, 2017.*
9. Extended X–Ray, K-absorption Fine Structural Studies of Mixed Ligand Copper (II) Complexes of p-Chloro benzaldehyde, **Jaishree Bhale**, Pradeep Sharma, A.Mishra, IJMPSR ,*Vol. 3, Issue 2, 2016.*
10. XAFS Study of Copper ((Ii) Mixed-Ligand Complexes of 8-Hydroxyquinoline**,** **Jaishree Bhale**, Pradeep Sharma, A.Mishra, IJESC, *Vol 6, Issue 4 , 2016.*
11. X-ray Spectral Study by EXAFS of Some Copper (II) Complexes using Synchrotron Radiation Source, **Jaishree Bhale,** Pradeep Sharma, A.Mishra,S.Ninama, IJCPS, *Vol. 5, Issue 2, 2016.*
12. X-Ray, K-Absorption Spectroscopic Studies of Mixed Ligand Copper (II) Complexes of Benzaldehyde, **Jaishree Bhale,** Pradeep Sharma, A.Mishra, IJCPS , *Vol. 5, No,-3,2016.*
13. XANES Study of Copper((II) Mixed-Ligand Complexes of 8-Hydroxyquinoline, , **Jaishree Bhale**, Pradeep Sharma, A.Mishra, IJCPS ,*Vol. 5, No-2,2016.*
14. Extended Fine Structure of the X-Ray K-Absorption Discontinuity in Some Copper (II) Mixed Ligand Complexes , **Jaishree Bhale,** Pradeep Sharma, A.Mishra, IJESC ,*Vol 6, Issue 5, 2016.*
15. XANES Study of Copper (II) Mixed Ligand Complexes of alpha-Aminonitrile,**Jaishree Bhale,** Pradeep Sharma, A.Mishra, Neetu Parsai. , IJMPSR, *Vol. 2, Issue 2, 2015.*
16. Determination of bond length from EXAFS spectra of some copper(II) mixed ligand complexes, **Jaishree Bhale,** Pradeep Sharma, A. Mishra, Neetu Parsai, ISROSET, *Vol-3, Issue-3,2015.*
17. X-Ray Diffraction Studies of Copper (II) Complexes, Pramod Malviya, A.Mishra, Pradeep Sharma, **Jaishree Bhale**, ISROSET, *Vol-2, Issue-1, 2014.*

**Conference Publications: 05**

1.XANES Study of New Copper (II) Complexes of α-aminonitrile Derived from p-methoxybenzaldehyde with p-anisidine, **Jaishree Bhale,** Pradeep Sharma, A. Mishra and Neetu Parsai , National Seminar on Recent Trends in Nanophysics- 25-26 Feb 2014, ISROSET- Int. J. Sci. Res. Physics and Applied Sciences, *Vol-3, Issue-1, 2015.*

2.Synthesis and Spectroscopic Characterization-XRD of Mixed Ligand Cu(II) Complexes of 8-Hydroxyquinoline and *o*-hydroxybenzylidene-1-phenyl-2,3-dimethyl-4-amino-3-pyrazolin-5-on, **Jaishree Bhale,** Pradeep Sharma, A.Mishra, Seema Upadhyay, Pramod Malviya, National Seminar on Recent Trends in Nanophysics- 25-26 Feb 2014, ISROSET-Int. J. Sci. Res. Physics and Applied Sciences, *Vol-3, Issue-1, 2015*.

3.Synthesis and X-ray diffraction study of new copper (II) complexes of a-aminonitrile derived from P- methoxybenzaldehyde with aromatic amine, Pradeep Sharma, **Jaishree Bhale** , Ashutosh Mishra and Pramod Malviya, International Conference on Recent Trends in Physics (ICRTP 2014), Journal of Physics: Conference Series 534 (2014) 012027.

4.Synthesis and X-ray diffraction study of some nickel(II) complexes of urea and thiourea, Pradeep Sharma,, **Jaishree Bhale**, Ashutosh Mishra and Pramod Malviya, International Conference on Recent Trends in Physics (ICRTP 2014), Journal of Physics: Conference Series 534 (2014) 012044.

5..X-ray near edge studies on copper (II) carbamide complexes, Ashutosh Mishra, Pradeep Sharma, Pramod Malviya and **J. Bhale,** International Conference on Recent Trends in Physics (ICRTP 2014), Journal of Physics: Conference Series 534 (2014) 012026 .