

# Shri Shivaji Arts, Commerce and Science College, Akola

## Faculty Profile



- Name** : Dr. Pallavi Jaikarrao Thakare
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Akola, Dist.-Akola  
(Maharashtra State), Pin No.444005
- Phone No./ Cell No.** : 7722037212/ 8999115907
- Email ID** : [pallu10thakare@gmail.com](mailto:pallu10thakare@gmail.com)
- Designation** : Assistant Professor
- Department** : Department of Physics
- Date of Birth** : 10 Nov 1988
- Academic Qualification :**

Examination Passed	Board/ University	Subject/ Specialization	Year of Passing	Division/ Grade/ Merit
<b>Bachelor's Degree</b>	Amravati University	Physics, Computer Science, Eoelectronics	2009	I
<b>Master's Degree</b>	Amravati University	Physics	2011	I
<b>Ph.D</b>	Amravati University			
<b>Other Degree/Diploma</b>	B.Ed.		2012	I

- Research Experience** : **5Yrs**
- Conferences Attended**

Sr. No.	Name of the Conference	Place	Date	Paper Presented
1.	Inter-national Conference on Acoustics 2014,	Mysuru	12 -14 Nov 2014	Ultrasonic velocity, viscosity and density of alcohol +triethyl amine +Acetic acid mixtures at different temperatures
2.	International Symposium On Ultrasonics(ISU-2015)	Nagpur	22-24 Jan 2015	A molecular Interaction Study through free length and available Volume for Ternary liquid mixtures ofAlcohol+TEA+Acetic

				Acid
3.	Recent Trends in Science and Technology	Karanja (Lad)	22-23 March 2018	Study Of Acoustical Properties Of Ternary Liquid Mixtures Of Alcohol,Formic Acid And Tri-Ethylamine At Three Different Temperatures
4.	Emerging Trends in Science	Amravati	1-2 Feb 2019	Ultrasonic Study on Molecular Interactions of Ternary Liquid Mixture of Alcohol, Formic Acid And Tri-Ethylamine At Three Different Temperatures
5.	Recent Advances in Physical and Mathematical Sciences	Akola	18 Jan 2019	Ultrasonic study of molecular interactions in liquid mixture of Alcohol +TEA + Formic acid at different temperatures
6.	Multidisciplinary Research in Science and Technology	Akola	24 Jan 2019	Study Acoustical Parameters of Ternary Liquid Mixtures of Alcohol+ Triethylamine + Acetic Acid Through Adiabatic Compressibility and Excess Compressibility

#### 11. Paper Published in Journal

1. **P. J. Thakare**, "Ultrasonic study of molecular interactions in liquid mixture of alcohol + TEA +Formic acid at different temperatures" Vidyabharti International Interdisciplinary Research Journal" pg- No. 285-287, 2319-4979
2. **P. J. Thakare**, "Study Acoustical parameters of ternary liquid mixtures of alcohol + TEA + Acetic Acid through adiabatic Compressibility and excess compressibility" Aayushi International Interdisciplinary Research Journal , 2349-638X
3. J. B. Thakare, **P.J. Thakare**, "Application of Nomoto relation to ternary liquid mixtures at various temperatures" International Journal, Bionano Frontier. Special Issu.2011, pp 89-90 [ISSN-0974-0678]
4. J.B. Thakare, **P.J. Thakare**, "Study of molecular interaction in liquid mixture". Proc. of UGC Sponsored National Seminar on Technological Innovations with Environmental Integrity on 28-Feb, 2012, pp 162-164
5. J.B. Thakare, **P.J. Thakare**, " Molecular interaction study through free volumes and internal pressure of ternary liquid mixtures" Proc. of UGC Sponsored National Conference on Laser and Advanced Materials on 29-30 May 2012,pp 94-96 [ISBN-978-81-922256-6-1]
6. J.B. Thakare, **P.J. Thakare** and D.S. Dhote,"Characterization of Vanadium-Lead Borate glasses through X-RD" Proc. of National Conference on Recent

Initiatives towards Green Electronics on 8-9 Feb 2013 pp256-257 [ISBN-978-81-922256-9-2]

7. J.B. Thakare, **P.J. Thakare**, "Molecular Interaction study through Excess Free Length and Excess Enthalpy for ternary liquid mixtures" Proc. Of International Conference on Acoustics 2013, New Delhi on 10-15 Nov 2013, pp 458-463.

8. V. Sikchi, J.B.Thakare, **P.J.Thakare**. "Ultrasonic study of molecular interaction in liquid mixture of Ethanol +Butyl amine +Butyric acid at different temperatures" pp (162-167 )Vidyabharty Interdisciplinary research Journal ,Vol.5(2) ([www.viirj.org](http://www.viirj.org)) vol. Dec 2016 ISSN 2319-4979

9. **P. J. Thakare**, J. B. Thakare, N. G. Belsare "Study of Molecular Interactions through Free length and Internal Pressure of Ternary Liquid mixture of alcohol, formic acid and tri-ethyl amine" pp(701-705) ,Vol.1 issue 5 International Journal of Trend in scientific ,Research and development(IJTSRD) ISSN2456-6470 ([www.ijtsrd.com](http://www.ijtsrd.com))

10. **P. J. Thakare**, J. B. Thakare, N. G. Belsare, "Ultrasonic Study On Molecular Interactions Of Ternary Liquid Mixture Of Alcohol, Formic Acid And Tri-Methylamine At Three Different Temperatures",[[www.ijedr.org](http://www.ijedr.org)]

11. J.B.Thakare ,**P.J.Thakare**<sup>1</sup>"Acoustical Study Of Ternary Liquid Mixtures Of Benzene + Trimethylamine +Acetic Acid And Benzene + Triethylamine +Acetic Acid At Different Temperatures"(33-37) Aayushi International Interdisciplinary Research Journal (AIIRJ)ISSN 2349-638x Impact Factor 4.574 Special Issue No. 25 UGC Approved Sr.No.64259 Website :- [www.aiirjournal.com](http://www.aiirjournal.com) Email id:- [aiirjpramod@gmail.com](mailto:aiirjpramod@gmail.com)

12. A. U. Ubale, A.V. Mitkari, **P. J. Thakare**, M. V. Bhute, K.S. Chipde, N. S. Maldhure, S. R. Sidrapwar, " Synthesis of nanostructured (Cu<sub>2</sub>S)<sub>x</sub> (As<sub>2</sub>S<sub>3</sub>)<sub>1-x</sub> thin films using chemical route at room temperature" , Scholars Research Library, Archives of Physics Research, 2012, 3(5), pp 329-340.

## 12. Teaching Experience

Courses Taught	Name of College	Duration
UG (CHB)	S. S. S. K. R Innani Mahavidyalay Karanja (Lad)	3 Years
Higher Secondary Classes	Dr. D. Y. Patil ACS College,	2Years and 4 Months

	Pune	
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### 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) Students Seminar Competition,

ii) Science Exhibition.

### 15. Role in university activities

1) Invigilator for University Exam and college test examination