

# Alpana Bhaskar Shinde

## Present position

- Assistant Professor

## Contact Details (Mention e-mail) – fergusson.edu or despune.org



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## Work Experience

- Teaching: 23 years
- Research: 4 years

## Personal Profile

I am currently working as an Assistant Professor in Physics at Fergusson College(Autonomous), Pune. I have 23 years of teaching experience at graduate and post graduate level.

I have taught various branches of physics like Mechanics, Mathematical methods for Physics, Oscillations and waves, Thermodynamics, Statistical Mechanics, Atmospheric Science etc. I have contributed in writing a text book on oscillations, waves and sound for S.Y.B.Sc students.

My area of interest in research is in Material Science.

## Course(s) Taught (Only Titles)

1. Mechanics and properties of matter
2. Heat and thermodynamics
3. Mathematical methods for Physics
4. Oscillations, waves and sound
5. Atomic and molecular physics
6. Thermodynamics and Statistical mechanics
7. Atmospheric science

## Field of Specialization/Areas of Interests

- Material science
- Atmospheric science

## Education

- **Master of Science- (Physics):** 1996  
University:- Pune University
- **Bachelor of Science- (Physics):** 1994  
College, University, Place :- Fergusson College, Pune University, Pune

**Fellowship/Awards/ Certifications/Achievements/Recognitions**

1. PG recognition

**Member of College Committees/ Professional Bodies and Others**

College Level	Professional Bodies	Others
NA	NA	Indian Association of Physics Teachers (IAPT)

**Employment History**

- 1) **Organization : C. T. Bora College, Shirur, Pune District, Maharashtra**  
**Role : Lecturer**  
**Duration : 28/06/1998 to 15/04/1999**

<b>Responsibilities</b>	<ul style="list-style-type: none"><li>• Teaching</li><li>• Conducting practicals</li></ul>
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**Research Publications in National and International Journals**

1. Gas sensing performance of Al doped ZnO thin film for H<sub>2</sub>S detection:-  
Pankaj S.Kolhe, Alpana B.Shinde, S.G.Kulkarni, Namita Maiti, Pankaj M. Koinkar, Kishor M. Sonawane, Journal of Alloys and Compounds, March 2018

**Participation in Conferences/Seminars/Symposia/Workshop:**

1. Participated in the Faculty Development Programme for Senior Faculty on Research Methodology(Physics) conducted at the Department of Education and Extension, Savitribai Phule Pune University,Pune -7 from 14/01/2018 to 20/01/2018.
2. Participated in Frontiers in Physics-XV held on 12<sup>th</sup> & 13<sup>th</sup> May2022 organized by Astroclub, Department of Physics, Fergusson College(Autonomous),Pune-4
3. Participated in “Webinar Series on Materials for Energy and Environment (WSMEE-22)-Event 1” on 24<sup>th</sup> August 2022 organized by the Department of Physics, St. Joseph’s College (Autonomous), Tiruchirappalli-620002, India through online mode.

**Course Content Developed (e-content)**

1. e- content prepared on Oscillations, Waves and Sound for S.Y. B.Sc.students.
2. e-content prepared on Atmospheric Science for M.Sc.II Sem IV students.