



## **DR. SHRADDHA S. PANDE**

**DESIGNATION:** ASSISTANT PROFESSOR,  
DEPARTMENT OF PHYSICS

**ACADEMIC QUALIFICATION:** M.Sc. (Physics),  
M.Phil., Ph.D., B.Ed., B.A.(Add)

**WORK EXPERIENCE:** 18 YEARS

### **Research Contribution**

#### **Research Papers Published in Peer Reviewed and UGC Approved Journals**

- "Transport properties of glasses prepared from biomass fly ash" Published in International Journal of Basic and Applied Research, 2014.
- "To prepare silica soda borate glass from biomass fly ash and study its optical properties" Published in International Journal of Engineering and Technical Research, 2017.
- "Use of biomass fly ash for preparation of glass and study its properties" Published in IJRAR, 2018.
- "Effect of biomass ash on elastic and structural properties of Zinc-borate glass system" Published in Material Science, Journal of Emerging Technologies and Innovative Research, September 2020.

#### **Conferences Attended and Papers Presented**

- Attended and presented a paper at the International Conference "Application of Advanced Material for Sustainable Development" in 2014.
- Attended and presented a paper at the National Conference on Material Science Trends & Future in 2014.
- Attended and presented a paper at the International Conference on Integrated Solid Waste Management Practices in Developing Countries in 2017.
- Attended and presented a paper at the 108th Indian Science Congress held at Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur, in 2023.
- Attended and presented a paper at the National Conference on Recent Innovations in Science and Technology in Jalgaon, 2024.

## **Committee Responsibilities**

- Served as a member for NAAC - Criterion VI.
- Acted as a member of the Intercollegiate Dance Competition for AURA - Cultural Event.
- Contributed as a member of the Registration, Venue, and Stall Arrangement Committee for the National Conference.
- Served as a member of the Mentor Committee & many other committees.

## **OTHER RECOGNITIONS AND ACCOLADES**

- Invited as a Judge in 45<sup>th</sup> Interschool Science Exhibition organized by Education Department. 2019
- Invited as a Judge in 50<sup>th</sup> Zonal Science Exhibition organized by Education Department. 2023
- Invited as a guest speaker to speak on “Social Media survey” organized by Gov.of Maharashtra.
- Got selected for state level “Tantra Snehi Puraskar” competition representing the College for presentation on “Use of ICT Tools for the laboratory practical work”

## **Book Published**

- **"Text Book of Basic Physics"** for Diploma in Engineering, Published by DJ Publication (2014 1st Edition) (2017 2nd Edition).

## **Research Projects**

- **"Biomass Fly Ash based paver blocks"** - Research for reuse!