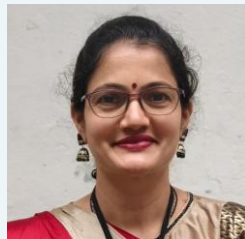


◆ MODERN EDUCATION SOCIETY'S ◆  
**NOWROSJEE WADIA COLLEGE, PUNE**  
**FACULTY ACADEMIC PROFILE**



## Dr. Komal Sawant

[Assistant Professor] • [Botany]

Highest Qualification: [PhD]

Specialization: [Plant Biotechnology]

Official College Email: [kasawant@nowrosjeewadacollege.edu.in]

### PROFESSIONAL SNAPSHOT

**Dr. Komal Sawant** is an accomplished academician with an M.Sc. and Ph.D., and has qualified CSIR-NET, SET and GATE. With **17 years of teaching experience**, her academic expertise encompasses **Cell Biology, Molecular Biology, Biochemistry, Plant Biotechnology, Plant Physiology, and advanced techniques in related disciplines**. Her doctoral research made significant contributions to **mycorrhiza research**. She has actively contributed to institutional development through **NAAC documentation and reporting**, and has served as Coordinator of the **Green Club, NSS, Anti-Narcotics College Committee and Red Ribbon Club**. She has also coordinated **“Botanica,” an intercollegiate research project competition**, and **Fine Arts competitions at the SPPU Youth Festival**.

### EDUCATION

| Qualification | University / Institution               | Year |
|---------------|----------------------------------------|------|
| PhD           | Savitribai Phule Pune University, Pune | 2021 |
| M.Sc          | Savitribai Phule Pune University, Pune | 2009 |

### TEACHING & ACADEMIC INTERESTS

**Cell Biology, Molecular Biology, Biochemistry, Plant Biotechnology, Plant Physiology, and advanced techniques in related disciplines.**

### RESEARCH & PUBLICATIONS

Research Area: Plant Physiology, Biochemistry, Mycorrhiza

Selected Publications:

1. **“Impact of chemical properties of soil on spore density, colonization, and distribution of native arbuscular mycorrhizal fungi associated with *Capsicum annuum* L.”** Journal of Applied Biology & Biotechnology Vol. 8(05), pp. 59-67, Sept-Oct, 2020
2. Wild *Cicer* species exhibit superior leaf photosynthetic phosphorus- and water-use efficiencies compared with cultivated chickpea under low-phosphorus conditions., **New Phytologist, Volume 247, Issue 1** pp. 144-159, 2025.

## **ACHIEVEMENTS & PROFESSIONAL DEVELOPMENT**

Orientation program

Refresher course in Environment Science

Refresher course in Life Sciences

FDP on Mathematics in biology

FDP on NEP

FDP on research methodology

## **ACADEMIC RESPONSIBILITIES**

**NAAC AQAR committee**

**Green Club coordinator,**

**NSS program officer**

**Anti-Narcotics committee coordinator**

**Red Ribbon Club** coordinator

Avishkar committee member

**“Botanica coordinator” an intercollegiate research project competition**

Cultural committee-**Fine Arts competitions coordinator**

**Nowros Creativity Coordinator**

**Hostel Admission coordinator**