◆ 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@nowrosjeewadiacollege.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