

◆ MODERN EDUCATION SOCIETY'S ◆

NOWROSJEE WADIA COLLEGE, PUNE

FACULTY ACADEMIC PROFILE



[ROHIT POPAT KAMBLE]

[ASSISTANT PROFESSOR] • [BOTANY]

Highest Qualification: [M.Sc. (Botany), CSIR-NET JRF, CSIR-NET-LS, MH-SET, GATE, Ph.D. (Submitted)]

Specialization: [Botany(Pharmacognocytology)]

Official College Email: rkbotanyNWC@gmail.com

PROFESSIONAL SNAPSHOT

Dr. Rohit P. Kamble is doctoral research at the Department of Botany, Savitribai Phule Pune University focuses on the functional studies of endemic medicinal plants of the Western Ghats for antidiabetic and related biological activities. His research integrates phytochemical screening, enzyme inhibition assays, LC-MS/MS metabolite profiling, and molecular docking approaches for the identification of bioactive compounds. His research interests include medicinal plants, phytochemistry, natural product-based antidiabetic agents, plant tissue culture, and bioinformatics applications in plant sciences. He is proficient in laboratory techniques such as TLC, HPTLC, HPLC, LC-MS, enzyme kinetics, molecular docking, and plant tissue culture.

EDUCATION

Qualification	University / Institution	Year
[M.Sc.]	[Department of Botany, SPPU]	[2015]
[B.Sc.]	[N.Wadia College, Pune]	[2013]

TEACHING & ACADEMIC INTEREST

Dr. Kamble has teaching experience at both undergraduate and postgraduate levels. He has served as Assistant Professor at Fergusson College and Nowrosjee Wadia College, Pune, where he taught courses in Pharmacognocytology, Research methodology, Plant Physiology, Plant Biochemistry, Plant Mycology, Plant Pathology, Microbial Genetics, and Plant Tissue Culture. He has also guided postgraduate dissertation students and actively participated in examination, academic, and extension activities.

RESEARCH & PUBLICATIONS | OPTIONAL

Research Area: **Medicinal Plants, Phytochemistry, Antidiabetic Natural Products, Plant Tissue Culture, Plant Biotechnology, Bioinformatics.**

Selected Publications:

Kamble, R.P., Ghosh, P. and Kulkarni, A.A., 2022. Identification of α -amylase inhibitory compounds from leaves of *Careya arborea* Roxb. and in silico docking studies. South African Journal of Botany, 151, pp.493-503.

Kulkarni, A.A. and Kamble, R.P., 2021, November. *α -Amylase Inhibitory Secondary Metabolites from *Artemisia pallens* Wall ex DC—Biochemical and Docking Studies*. In Biology and Life Sciences Forum (Vol. 11, No. 1, p. 73). MDPI

ACHIEVEMENTS & PROFESSIONAL DEVELOPMENT | OPTIONAL

- Qualified *National Eligibility Test (CSIR-NET- JRF)* conducted by Council of Scientific and Industrial Research in year 2017(AIR-113).

- Qualified *National Eligibility Test (CSIR-NET-LS)*- Dec. 2017 (AIR-83).
- Qualified **MH-SET** (Life Sciences) - April 2017.
- Qualified **GATE** -2017.

Workshop:-

- Attended four days workshop on “**Hands on training on analytical techniques**” organised by AYUSH, at Chemistry Department of Savitribai PhulePune University. (26th to 28th March 2019).
- Successfully completed Ph.D. course work held at Department of Botany, Savitribai Phule Pune University, Pune. Duration: 6 months - August 2018- January 2019.
- Attended workshop on "**Instrumental Methods of Analyses**" conducted by **MES community ,Abasaheb Garware college**, from 2nd August to 24th August 2019.
- Participated in the "**National Seminar On IPR Dimensions in Electroincs and IT**" on 3rd August 2019 at Chemistry Department of Savitribai PhulePune University.
- Online Basic course on "**METABOLOMICS (Untargeted) by Mass Spectrometry**" by C-CAMP Bengaluru, Karnataka. June 25th-26th 2020.
- UGC STRIDE Online Workshop on "**MOLECULAR PHYLOGENY AND MOLECULAR DOCKING**" held from 19th Jan, 2021 to 27th Jan, 2021 under the aegis of Mizoram University, Aizwal, Mizoram.
- ‘Reference Management with **Mendeley**’workshoporganized by **Commacad**, 6thMarch, 2022.
- Successfully completed the programme **Maharashtra State Development of Educators and Enhancement in Delivery (MS-DEED) Level-1** Workshop on introduction to Innovative Pedagogies from 28/7/2025 to2/8/2025 at Nowrosjee Wadia college, Pune in Collaboration with Indian Institute of Science Education and Research Pune.

ACADEMIC RESPONSIBILITIES | OPTIONAL

He is involved in academic administration and examination-related responsibilities, including question paper setting, assessment and evaluation, paper checking, and examination supervision duties assigned by the college. He actively participates in departmental and institutional activities that support student development and academic quality assurance. Currently, he serves as an **Assistant Programme Officer of the National Service Scheme (NSS)**, contributing to the planning and implementation of extension activities, community engagement programs, environmental awareness initiatives, and student volunteer development.