◆ MODERN EDUCATION SOCIETY'S ◆

NOWROSJEE WADIA COLLEGE, PUNE

FACULTY ACADEMIC PROFILE

Chitra Mandar Kulkarni

Assistant Professor Department of Biotechnology

Highest Qualification: M.Sc(Biochemistry), B.Ed, Ph.D Pursuing

Official College Email: chitrakulkarni@nowrosjeewadiacollege.edu.in

PROFESSIONAL SNAPSHOT

Holding an M.Sc. in Biochemistry, B.Sc. in Biotechnology, B.Ed., and currently pursuing a Ph.D. in Biotechnology, I bring 14 years of higher education teaching experience. My core teaching focus spans Advanced Biological Chemistry, Metabolism, Enzyme Technology, Biophysics, Plant Biotechnology, Cell Biology, Recombinant DNA Technology, and. Combining pedagogical training with deep subject expertise, my key contribution lies in integrating foundational biochemistry with advanced biotechnology, designing outcome-based curricula, and leading practical laboratory instruction and student research initiatives.

EDUCATION

Qualification	University / Institution	Year
Ph.D(Biotechnology) Pursuing	Dr. D.Y. Patil Vidyapeeth, Pune/ Dr. D.Y. Patil Biotechnology & Bioinformatics Institute	2026
B.Ed. (Biology and Chemistry)	Devi Ahilaya University, Indore (Madhya Pradesh)/ Dr. Zakir Hussain Academy, Burhanpur	2014
M.Sc(Biochemistry)	North Maharashtra University, Jalgaon (Maharashtra) School of Life Science	2011
B.Sc. (Bio-Technology)	Devi Ahilaya University, Indore (Madhya Pradesh)/Dr. Zakir Hussain College Burhanpur	2009

TEACHING & ACADEMIC INTERESTS

Subject Taught:

- ☑ Advanced Biological Chemistry
- ☑ Biochemistry
- ☑ Metabolism
- ☑ Enzyme and Enzyme Technology
- ☑ Biophysics
- ☑ Plant Tissue Culture
- ☑ Plant Development
- ☑ Environmental Biotechnology
- ☑ Biodiversity and Systematics
- ☑ Plant and Animal Biotechnology
- ☑ Cell Biology
- ☑ Applied Biotechnology
- ☑ Recombinant DNA Biotechnology

ACHIEVEMENTS & PROFESSIONAL DEVELOPMENT

- Participated in Two Days National Conference on " *Emerging Trends in Plant Sciences (NC-ETPS-26)"* held in January, 2026 under RUSA 2.0.
- *International conference on Advancement and emerging trends in science (ICAETS 2025)* – Presentation (oral) on "*Herbal remedies from Banyan leaf buds: Tablet formulation & Bioactivity*" – On 8th to 10th Jan 25 At Dahiwadi college.
- Participated in "*MS-DEED Level 1 Workshop on Introduction to Innovative Pedagogies*" in year 2025
- *Participated workshop* on 'hands on training seminar in instrumentation application & basic maintenance of instruments' organized by Chemistry department, NWC on Aug 24.
- Active Participation in the National Conference on "*Frontiers in Bio- Fertilizers and Bio-Pesticide*" In February 2018 at RJSPM college Pune.
- Actively Attended State Level Seminar in "*Chalenges Before Higher Education*" RJSPM college Pune.
- Actively Attended National Conference in "*Value Education*" at RJSPM college Pune.
- Presentation in State Level seminar on "*Nosocomial Infections, a threat to Hospitalized Patient*" in Feb.2013
- Active Participation in seminar on "*Science and Technology awareness program*" Conducted by *Government of Madhya Pradesh* (M.P.Council of Science and Technology) in Aug.2013
- Presentation in National seminar on "*Diabetes Mellitus, a Major Health Problem today*" at S.G.J.Q Senior College, Burhanpur (M.P.) in Oct.2012
- Active participation in the "*National Science Day-2011*" at Department of Chemical Technology at North Maharashtra University, Jalgaon.
- Active participation in workshop on "*Advanced Biotechniques: Hands on Learning Instrumentations*" in January.2010 at School of Life Sciences at North Maharashtra University, Jalgaon (M.H)
- Actively attended UGC-SAP-DRS seminar on "*Agro-Biotechnology*" in March.2010 at School of Life Sciences at North Maharashtra University, Jalgaon.
- Active participation in the "*National Conference on Biotechnology for All*" in December 2010 at School of Life Sciences at North Maharashtra University, Jalgaon
- Active participation in the "*Gandhi-Life and Thought direction examination*" at School of Life Sciences at North Maharashtra University, Jalgaon.
- Attended *Summer Camp* organized by *Sport Authority of Madhya Pradesh* in 2009.
- Awarded by "*Proficiency – cum- Appreciation Certificate*" by Dr. Zakir Hussain Academy, Burhanpur (M.P) in 2009.
- Achieved "*Award of Excellence*" by New Vision Higher Secondary School, Burhanpur (M.P) in 2006.

ACADEMIC RESPONSIBILITIES

❖ **Nowrosjee Wadia college, Pune:**

- Effectively delivering teaching/ lectures and practicals to Graduate, Post graduate levels (B.Sc. & M.Sc. Biotechnology) along with Class room seminar and session of related topics

- Completed several task assigned by college authorities like NEP syllabus designing, BOS member's responsibilities, Paper setter-checker-moderator, External/ Internal examiner, NSS camp monitoring, Admission counceller – graduate and PG level, Fest organizer member etc.
- Acting as an *AVISHKAR project guide*: Project "Herbal remidies from Banyan leaf buds: Tablet formulation & Bioactivity" for S.Y.Biotechnology; was nominated under "Medicine" category at regional college level.
- Active committee member for achieving NAAC 'A+' accreditation. Performed all task assigned by authorities for AQAR year 2017-2018, 2018-2019 & 2019-2020 from department of Biotechnology.
- Responsible for various events for department of Biotechnology, like In-charge of Microbiology Society of student unit, active member in Extra Credit course entitled "Frontiers in Biotechnology".
- Active Participation in Biotechcellence – 2020
- In-charge of STUDY VISIT at *College of Agriculture, Pune*, Year 2025.
- In-charge of POSTER COMPETITION, Year 2020
- In-charge of INDUSTRIAL VISIT at *NIRA VALLEY WINES PVT. LTD*, Baramati, Year 2020
- In-charge of STUDY VISIT at *PASHAN LAKE PUNE*, Year 2020.
- In-charge of STUDY VISIT for Gas chromatography & HPLC at Savitribai, Phule Pune university, Year 2020

❖ **RJSPM college Pune:**

- Effectively delivered teaching/ lectures and practicals to Graduate, Post graduate levels (B.Sc. & M.Sc. Biotechnology) along with Class room seminar and session of related topics.
- Active team member in achieving *NAAC Accredation of RJSPM college Pune;* having responsibility for various project activities.
- In-charge: Conduct committee of Student Development officer of *Disaster Management Program*, Year 2017.
- NSS Conduct Committee member - *Y*ear 2016 to 2019.
- College committee member for various *state level championships, seminars & Bio-synapse*" year 2016 - 2019.
- Responsibly handled different roles in *University exam schedules like* Paper-checker, Internal examiner, admission counceller – graduate and PG level.

❖ **Prof. Brijmohan Mishra Institute of Medical and Technical Sciences :**

- Effectively delivered teaching/ lectures and practicals to Graduate, Post graduate levels (B.Sc. & M.Sc. Biotechnology and Microbiology) along with Class room seminar and session of related topics.
- Member of Conduct committee of *Science exhibition* (District level) - Year 2012 to 2014.
- Member of Conduct committee of "*Blood group and Hb diagnosis Camp*" (District level) Year 2013.

❖ **S. H. U. T. College (attached to Saeeda Hospital and Research centre)**

- Graduation (B.P.T.) (Bio-Chemistry and Microbiology): 1st year; including Practicals.
- Diploma (D.M.L.T.) (Microbiology): 1 & 2nd Year; including Practicals.