

ROSSNI KARAR

MSc Life Science (Biotechnology)

📞 7738932645

📍 Yash Enclave, Dombivli (W) ✉ kararrossni@gmail.com



ABOUT ME

I am an aspiring educator and researcher with a Master's degree in Life Sciences (Biotechnology Specialization), hands-on training in molecular biology and environmental microbiology, and two years of teaching experience. Eager to contribute to a progressive academic institution as an Assistant Professor of Biotechnology/Microbiology by delivering high-quality education and pursuing impactful research in molecular biology and sustainable bioprocesses.

EDUCATION

M.SC. LIFE SCIENCE
(BIOTECHNOLOGY) 2023-2025
Ramnarain Ruia College, MU
CGPA 8.36 (A+)

B.SC. MICROBIOLOGY
B.K. Birla College, MU 2020-2023
CGPA 9.62 (A+)

HSC (SCIENCE, PCMB)
B.K. Birla College, MU 2020
81.08%

SSC
C.M.S. School 2018
92.08%

SKILL

- Molecular cloning
- PCR
- Gel electrophoresis
- SDS-PAGE & Western Blot
- Aseptic techniques
- Bioinformatics (BLAST, Primer-BLAST)
- MS Office & Canva
- Scientific Writing
- Leadership

REFERENCE

DR. Y.S. RAJPUROHIT
Scientific Officer (G), BARC
📞 22-69290387/3921
✉ ysraj@barc.gov.in

DR. NILIMA GAJBHIYE
Scientific Officer (G), BARC
📞 8879518970
✉ nilimalankeshwar@ruiacollege.edu

RESEARCH EXPERIENCE

Project Trainee, Molecular Biology Division - Bhabha Atomic Research Centre (BARC) 2024-2025

- Cloned and over-expressed mammalian DNA-repair genes (PCNA, RPA, RAD51) in E. coli expression systems.
- Designed primers, performed restriction-enzyme digests, ligations, and SDS-PAGE analysis; maintained sterile culture and bioreactor operation.

M.Sc. Dissertation- Ramnarain Ruia College 2023-2024

- Developed a low-cost bioremediation process achieving 87% dye decolorization within 48h.
- Applied UV-Vis spectroscopy and biostatistics to analyze the statistical data.

TEACHING EXPERIENCE

Science Teacher, GKC Classes 2025-Present

- Conceptual learning with fun analogies to make science fun and also focusing on exam based question practice for CBSE and ICSE students.

Educator, Prangan Foundation (NGO) 2024-Present

- Teaching English to underprivilege kids and special kid with fun activities.

English Teacher, Gurukul Coaching Classes 2023

- Taught English grammar and comprehension to higher-secondary students where I learnt the skill of handling 50 students in one class.

Private Biology Tutor 2023

- Taught Anatomy and Physiology to a non-bio student for her Yoga therapy exam while giving her a lifetime skill of note-taking and love for biology.

PRESENTATION, WORKSHOP & CERTIFICATES

PAPER PRESENTATION

Interdisciplinary National Conference 'Climate Change and Youth: Time for Action'

"Silver Nanoparticles in Anti-dandruff: A Green Revolution for the Future."

ONE-DAY WORKSHOP

"Fatty-Acid Profiling by GC and GC-MS"

CERTIFICATE COURSES

- MS-CIT by MKCL
- Government Certificate in Computer Typing Basic Course (GCC-TBC) English 30 WPM