

NIHARIKA MILIND RAHATE

My Contact

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☎ 8097898572

📍 Kamothe, Navi Mumbai

Technical skills

- Chromatography systems- AKTA Pure, AKTA Pilot, AKTA Avant, Biorad NGC
- Tangential flow filtration, Depth Filtration and microfiltration.
- Refolding, Pegylation and dialysis
- UV spectrophotometer, BCA
- Buffer preparation
- Agarose gel Electrophoresis, SDS-PAGE, Western Blotting and PCR.
- Basic microbiology techniques
- Basic computer skills (MS office)

Education Background

- **MSc Biotechnology | 8.31 CGPA.**
S.I.E.S college of Arts, Science and Commerce, Sion (2021- 2023)
- **BSc Biotechnology | 8.47 CGPA**
S.I.E.S college of Arts, Science and Commerce, Sion (2018-2021)
- **HSC| 80.62%**
St. Joseph's Junior college, Kalamboli, Navi Mumbai (2018)
- **SSC|9.4 CGPA**
MNR School of Excellence, Kamothe, Navi Mumbai (2016)

Activity

Volunteered and Event head of event 'Survival of the Fittest' Departmental fest 'OPERON' (2018-2020)

Certification courses

- Cell Culture (NPTEL)
- Specialization in cancer biology, Industrial Biotechnology, Drug Development, Food and Beverage Management(COURSERA).

Experience

Himedia Laboratories Pvt Ltd | Trainee

June 2024- Present

Working in R&D Cell Biology department

- **Downstream processing lab-** Optimize and Perform purification to isolate target compounds using chromatography & TFF.
- Lab setup, Calibration and SOP preparation.
- Monitor and analyze experimental data, documenting results and maintaining detailed records contributing ideas for process development .

Lupin limited | Junior trainee

June 2023 – June 2024

Working in downstream processing department (R&D)

- Acquiring knowledge and understanding the biosimilar purification process.
- Conceptualized and experienced in process development of purification of Biosimilars including mABs, fABs and fusion protein with microbial and mammalian expression system.
- Optimization of refolding and pegylation process.
- Hands on experience in column chromatography(Affinity, HIC, Ion exchange, MMC) and tangential flow filtration .
- Column packing and evaluation

NIRRH (National Institute for research in reproductive and child health) | Project trainee

Oct 2022 – March 2023

- Dissertation: Expression of complement protein in PCOS. Estimated the abundance of complement protein in follicular fluid.
- Studied the expression profile of complement protein in women with PCOS as compared to controls.

SBL (Shreedhar bhat's laboratory) | Project trainee

May 2019 – June 2019

- Hands on training of recombinant DNA technology, plant tissue culture, immunotechnology and PCR.

Publication

Shaini Joseph, Krutika Patil , Niharika Rahate et al. 2024, 'Integrated data driven analysis identifies potential candidate genes associated with PCOS' Computational Biology and Chemistry, 113, 108191.