

Nagashree Rachote

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Education

Degree	Institution	Year of passing	Thesis topic/ Subjects	Marks in percentage or CGPA
Integrated PhD	IISER Tirupati, Andhra Pradesh	Currently pursuing	Biology	9.1/10 CGPA Semester I-IV
B.Sc.	Osmania University, Hyderabad, Telangana	2021	Biotechnology, Botany, Chemistry	9.5/10 CGPA
Class 12	Telangana State Board of Intermediate Education	2017	Botany, Zoology, Physics, Chemistry	91.6%
Class 10	Telangana Board of Secondary Education	2015	-	9.0/10 CGPA

Publications

- Rachote N**, Agrawal A, Chavali PL, Chavali S. RNA as Modulators of Infection Outcome: Potential Usage for Genomic Surveillance in **Genomic Surveillance and Pandemic Preparedness**, 2023 (Ed: Rajesh Pandey), Elsevier Academic Press.

Awards/Fellowships

- Prime Minister's Research Fellowship to undertake Ph.D. studies (2023-2027)
- Proficiency award at IISER Tirupati for academic excellence in Integrated Ph.D. (2 years MS program) in Department of Biology (2021-2023)

3. Qualified DBT-JRF, June 2023
4. IISER Tirupati Fellowship for Integrated Ph.D. program (2021-2027)
5. 21st rank in Common Post Graduate Entrance Test (CPGET), 2021 for M.Sc. in Biotechnology
6. 215th rank in IIT Joint Admission Test for M.Sc. (JAM) – Biotechnology, 2021
7. 45th rank in Graduate Aptitude Test – Biotechnology (GAT-B), 2021

Conferences/Workshops

1. Participated in a two day workshop on ‘What makes a scientist?’ at CSIR-Centre for Cellular and Molecular Biology, Hyderabad, India, 2020.
2. Attended a two day conference and one day workshop on Macromolecular assemblies: Structure, Function and Evolution at IISER Pune, India, 2023.
3. Participated in one day conference on Network Biology at the Institute of Mathematical Sciences Chennai, India, 2023.

Teaching Experience

- Worked as a teaching assistant for Bioinformatics Lab course at IISER Tirupati (2023)
- Course Instructor for "Introduction to Omics" at St. Ann’s Degree College for Women, Hyderabad (December 2023 - March 2024)

Research Projects

During Integrated PhD

- Influence of Tandem Repeats on gene expression and evolution (2021- 2022)
- Amino acid repeat variability landscape in yeast (2023).

These projects involved collating and analysing large-scale publicly available datasets by developing custom-written Python and R scripts.

During B.Sc.

Repurposing of Drugs to combat COVID-19 (Government Degree College for Women, Hyderabad, 2021): Involved in project design, execution and writing, that involved conducting docking studies by employing the software, AutoDock Vina.