

Anjali Kumari Singh

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Department of Biology

Indian Institute of Science Education and Research (IISER) Tirupati

Yerpedu, Tirupati- 517 619, Andhra Pradesh, India

Education

Degree	College/School/University/ Board	Year of passing	Percentage of marks or CGPA
Integrated Ph.D.	Indian Institute of Science Education and Research (IISER) Tirupati	Pursuing	9.4/10 CGPA
B.Sc. (Honours)	Asutosh College, Calcutta University, West Bengal	2018	69.5%
Class 12	Carmel School, Kolkata, West Bengal; ISC	2015	91.8%
Class 10	Carmel School, Kolkata, West Bengal; ICSE	2013	95.5%

Publications

Published

5. **Singh AK**, Amar I, Ramadasan H, Kappagantula KS, Chavali S. Proteins with amino acid repeats constitute rapidly evolvable and human-specific essentialome. **Cell Reports** 2023; 42: 112811.
4. Chavali PL, **Singh AK**, Chavali S. Nuclear architecture and transcriptional regulation of microRNAs in MicroRNA in Regenerative Medicine, Second Edition (Ed: Chandan Sen), **Elsevier Academic Press** 2023.
3. Chutani N, **Singh AK**, Kadumuri RV, Pakala SB, Chavali S. Structural and functional attributes of Microorchidia family of chromatin remodelers. **Journal of Molecular Biology** 2022, 434: 167664.
2. Gupta S, Kadumuri RV, **Singh AK**, Chavali S, Dhayalan A. Structure, activity and function of the protein arginine methyltransferase 6. **Life** 2021; 11: 951.

1. Chavali S, **Singh AK**, Balaji S, Babu MM. Amino acid homorepeats in proteins. **Nature Reviews Chemistry** 2020; 4: 420-434. Cover image; August 2020, vol. 4, no. 8.

Awards/ Fellowships

- Presented in and awarded best poster award in “Biology Day” held at IISER Tirupati (2024)
- Prime Minister’s Research Fellowship to undertake Ph.D. studies (2020-2024)
- Proficiency award at IISER Tirupati for academic excellence in Integrated Ph.D. (2 years MS program) in Department of Biology (2018-2020)
- Third prize in Inter-institutional short-story writing competition ‘Vignettora’ at Pravega, conducted by Indian Institute of Science (IISc; 2019)
- Qualified CSIR-JRF (11th rank), July 2019
- First prize in Writing-cum-Photography event at Inter-IISER Cultural Meet (ICM), representing IISER Tirupati, held at IISER Kolkata (2018)
- IISER Tirupati Fellowship for Integrated Ph.D. program (2018-2024)
- 25th rank in IIT Joint Admission Test for M.Sc. (JAM)– Biological Sciences, and 104th rank in IIT JAM– Biotechnology (2018)
- 40th rank in JNU Combined Entrance Examination for Biotechnology (CEEB; 2018)
- Qualified JGEEBILS (2018)
- Second prize in Inter-college poster presentation at Modern Trends In Microbiology- Chapter 14, held at St. Xavier’s College, Kolkata (2017)
- Ranked first in school in 12th Board Examinations (ISC) in Biology department (2015)
- Ranked first in school in 10th Board Examinations (ICSE; 2013)

Workshops/ Conferences attended

- Participated and presented poster in the “Macromolecular Assemblies: Structure, Function, and Evolution” conference held at IISER Pune (2023)
- Attended workshop on Integrative Modelling using IMP held at IISER Pune (2023)
- Presented poster as a part of “Highlighted poster” in The Prime Minister’s Research Fellows Annual Symposium (2023)
- Two week short term course on “Biostatistics: A User’s Perspective” organised by IISER Pune (2022).

- Two day online symposium on PDB, “2021 ASBMB Protein Data Bank Symposium - 50th year celebration”, organised by American Society for Biochemistry and Molecular Biology (2021)
- Five day workshop on Artificial Intelligence and Machine Learning, held at IIT Tirupati (2019)
- Five day workshop on Data Analysis and Machine Learning, held at IISER Tirupati (2019)
- 25thDipta Memorial Symposium, held at Bose Institute, Kolkata (2018)
- Modern Trends In Microbiology- Chapter 14, held at St. Xavier’s College, Kolkata (2017)
- Four day workshop on human figure drawing, conducted at Nehru Children’s Museum (2008)

Co-Curricular activities

- Member of organising committee for Inter-school Science Day quiz, as a part of ‘Unnati’ Science Outreach program, at IISER Tirupati (2019)
- Conducted classes for Biology (standard 7 and above), Mathematics (standard 1 and 2) and English (standard 1 and 2), as a member of the Educational Outreach Program ‘Unnati’ at IISER Tirupati (2018-2019)
- Member of poster team for biology day ‘A Day Of Life’, at IISER Tirupati (2020)
- Volunteer to guide students from different schools for Science Day, at IISER Tirupati (2020)
- Hosting events such as in the IISER Tirupati annual fest ‘Vivante’ (2019)
- Member of clubs like Biology Club, Photography Club and Theatre Club at IISER Tirupati (2018-2019)
- Member of school cabinet for 3 years, and participated in organising all intra- and inter-school activities in the tenure (2010-2012; 2013-2014)