



EDUCATION

JADAVPUR UNIVERSITY

PhD in ENGINEERING

November 2021 | Kolkata, India

Department of Electrical

Engineering & Hydraulics Lab

JADAVPUR UNIVERSITY

MASTER in NUCLEAR ENGG.

December 2013 | Kolkata, India

School of Nuclear Studies and

Application

Percentage: 86.28% (First Class)

WBUT (now MAKAUT)

BACHELOR in ELECTRICAL ENGG.

November 2011 | Kolkata, India

Electrical Department, Seacom

Engineering & Marine College

DGPA: 8.73 (First Class)

K.V. BALLYGINGE (CBSE)

HIGHER SECONDARY (SCIENCE)

May 2006 | Kolkata, India

Percentage: 87.2% (First Class)

SKILLS

TOOLS/PLATFORMS

Origin8 • Graph Pad Prism • APE

IDT • Primer Blast • Primer Express

Adobe Illustrator • SGD • Windows

LANGUAGES

Bengali (Mother Tongue)

English (Proficient User – C1)

Hindi (Proficient User – C1)

French (Amateur)

REFERENCES

1. Prof. Amitava Chatterjee (PhD)
Professor (PhD Supervisor)
Jadavpur University, India

cha_ami@yahoo.co.in

DrAmitavaChatterjee

2. Prof. Saikat Mookherjee (PhD)
Professor (PhD Joint-Supervisor)
Jadavpur University, India

smookherjee13@gmail.com

RESEARCH EXPERIENCE

SDU MECHATRONICS & CENTRE FOR INDUSTRIAL MECHANICS | POST-DOCTORAL FELLOW

1st March 2022 - Present | Sønderborg, Denmark

- Studying the crosstalk between transcription and replication fork repair in the fission yeast *S. pombe* by employing different genetic and molecular biology assays.
- Mapping the activity of transcription and RNA binding proteins at replication stress sites.

JADAVPUR UNIVERSITY | RESEARCH FELLOW (CAIR PROJECT)

8th December 2015 – 28th February 2022 | Kolkata, India

- Worked on Yeast Genetics, RNA Biology, Nuclear Exosome, RRP6, non-coding RNA, TRAMP complex, RNA Degradation and surveillance in *S. cerevisiae*.
- Gained expertise in different PCRs, Blotting and Cloning techniques, Nucleic Acid and Protein analysis, Microscopy, and other molecular biology and Biophysical assays.
- Supervised training of Post Graduate students, Summer trainees and GRE trainees.

JADAVPUR UNIVERSITY | RESEARCH FELLOW (AR&DB PROJECT)

2nd August 2013 – 7th December 2015 | Kolkata, India

- Characterization of Staphylococcus Clinical Strains as MSSA & MRSA.
- Handling Drug resistant bacteria and clinical samples.
- Biochemical, Molecular biology, and Drug Susceptibility assays on Staphylococcus aureus.
- Animal House work: In-vivo experiments on Staphylococcal infections in Swiss Albino Mice.

MAJOR PUBLICATIONS

1. Chaudhuri A, Das S, Das B, Localization elements and zip codes in the intracellular transport and localization of messenger RNAs in *Saccharomyces cerevisiae*.
Wiley Interdisciplinary Reviews: RNA, 2020 Jul, 11(4), e1591, DOI: [10.1002/wrna.1591](https://doi.org/10.1002/wrna.1591)
2. Chaudhuri A, Das S, Banerjee M, Das B. Rrp6p/Rrp47p constitutes an independent nuclear turnover system of mature small non-coding RNAs in *Saccharomyces cerevisiae*.
Under review (see pdf) in *Nucleic acids research (NAR)*, DOI: [10.1101/2020.12.13.422512](https://doi.org/10.1101/2020.12.13.422512).
3. Singh P, Chaudhuri A, Banerjee M, Marathe N, Das B. Nrd1p identifies aberrant and natural exosomal target messages during the nuclear mRNA surveillance in *S. cerevisiae*.
Nucleic acids research (NAR), 2021 Nov, 49(20), 11512-11536, DOI: [10.1093/nar/gkab930](https://doi.org/10.1093/nar/gkab930)
4. Maity A, Chaudhuri A, Das B. DRN and TRAMP degrade specific and overlapping aberrant mRNAs formed at various stages of mRNP biogenesis in *Saccharomyces cerevisiae*.
FEMS yeast research, 2016 Sept, 16(7), fow088, DOI: [10.1093/femsyr/fow088](https://doi.org/10.1093/femsyr/fow088)

POSTER PRESENTATIONS IN CONFERENCES

1. 10th RNA Group Meet, May 2019, RGCB, Kovalam, Kerala, India
2. 10th CYB Meeting, February 2018, JNU and Amity University, New Delhi, India
3. 9th International RNA Meeting, October 2017, BHU, India

ACHIEVEMENTS & AWARDS

2014	96 percentile	Graduate Aptitude Test in Engineering (GATE), India
2009	Best Speaker Award	Lecture on AIDS in Workshop for Young Biochemists, India
2008	Gold Medalist	4 th Indian Regional Brain Bee, Kolkata, India