

## Srinjoy Chakraborty

175, Ranjan Society Road, Kulgaon–Badlapur (West), Dist. Thane, Mumbai.

**E-Mail:** schakraborty1@amity.edu | **Mobile No:** +91 9323716329 | **Age:** 25

### OBJECTIVE

A focused and diligent research fellow with a background in Microbiology and Biological Sciences. Has experience in working in a laboratory and perform extensive experiments in the field of molecular biology, microbiology and cell biology. Passionate about learning new scientific skills and concepts. Enthusiastic team player capable of providing leadership as well as learning from fellow team members. Experienced in multitasking and handling critical deadlines, and approaches duties with focus, initiative and diligence.

### EDUCATION

Qualification	Institute	Board / University	Year	% / CGPA
M. Sc. Biological Sciences	NMIMS SDSOS	NMIMS	2019	3.47 / 4
B. Sc. Microbiology	K.J. Somaiya College of Science and Commerce	Mumbai University	2017	6.07 / 7.00 (79.75%)
HSC	Fr. Agnel's Jr. College	Maharashtra State Board	2014	67.54%
SSC	Carmel Convent High School	Maharashtra State Board	2012	82.18%

### ACADEMIC ACHIEVEMENTS

- Qualified CSIR–NET exam and obtained 'Lectureship'. (Rank: 40)
- Qualified for 14th and 15th State-level Microbiology Olympiad, Organized by R.C. Patel A.C.S. College, Shirpur.

### INTERNSHIP AND WORK EXPERIENCE

**Amity institute of Physiology and Allied Sciences, Amity University, Noida (August, 2020–Present)**

**Role:** Junior Research Fellow

**Technical Skills used:** Working on characterisation of a novel protein and generate data for publishing

**Responsibilities:**

- Perform molecular biology and physiology experiments relevant to the project topic.
- Critically evaluating data generated and publishing as scientific manuscripts.
- Working on setting-up and standardising a new physiology research lab.
- Teach Bachelor's and Master's students enrolled in the Medical Physiology course.

**Crimson Interactive Pvt. Ltd., Mumbai**

**(April, 2019–January, 2020)**

**Role:** Associate Academic Editor (**Life Science and Medicine**)

**Technical Skills used:** Working on editing and preparing manuscripts for publication

**Responsibilities:**

- Critically evaluating and reviewing scientific manuscripts
- Editing articles for enhancing language and clarity
- Adhering to tight schedules and delivering articles of appropriate quality

**Haffkine institute, Mumbai**

**(May, 2015–June, 2015)**

**Role:** Research Trainee (**Chemotherapy department**)

**Technical skills used:** Working with Gas chromatography, HPLC and FTIR

**Responsibilities:**

- Understanding and working with analytical instruments
- General Laboratory practices
- Developing Research methodologies

## **PROJECT WORK**

### ➤ **Research Project**

**Amity Institute of Physiology and Allied Sciences, Noida**

**(August, 2020–Present)**

**Role:** Junior Research Fellow

**Project title:** Isolation and characterization of the receptor of sperm motility stimulating protein from sperm membrane and finding its role and mechanism in fertility management.

**Objectives of the project:**

- To purify and characterize the receptor of a novel motility stimulating protein (MSP) from goat sperm plasma membrane.
- To understand the functional significance and mechanism of action of MSP receptor in enhancing sperm motility.
- To check the role of the MSP receptor treatment of infertility as well as contraceptive.

**Bhabha Atomic Research Centre, Mumbai**

**(May, 2018–November, 2018)**

**Role:** Project Trainee (**Food Technology Division**)

**Project title:** Functional characterisation of M1 metallo-protease from *Deinococcus radiodurans* and its mutants.

- Studied the biochemical properties of the novel M1 aminopeptidase enzyme extracted from the radiation resistant bacteria *Deinococcus radiodurans* and compared it with 3 recombinant mutant enzymes. Furthermore, the enzyme was compared with the bifunctional Leukotriene A4 Hydrolase which also displays an aminopeptidase activity.
- Studied the various aspects of gamma radiation used in food processing and packaging.
- Conducted Sensory evaluation for various food products which are under development.

➤ **Academic Project (Under D.B.T. Star College Scheme)**

**K.J. Somaiya College of Science and Commerce**

**(2016–2017)**

**Project title:** Biological Synthesis of Nano-Particles and their effect on Bacteria

Synthesized silver nano-particles using fungi, bacteria and plant extract and analysed its antimicrobial effect on Gram positive and Gram negative bacteria.

➤ **Academic Project**

**K.J. Somaiya College of Science and Commerce**

**(2015–2016)**

**Project title:** Microbial analysis of fresh fruit juice from local street vendors

Fresh fruit juice samples from vendors around Vidyavihar, Mumbai were collected and screened for bacterial and fungal contaminations.

### **TECHNICAL SKILLS**

- PyMol (Protein Visualisation Tool)
- Serial Cloner
- Image J software
- Skilled in most laboratory practices, safety and methods
- Performed numerous animal cell culture- and molecular biology-based experiments as a part of course work
- Performed extensive experiments involving electrophoresis, column chromatography and protein purification

### **CO-CURRICULAR ACTIVITIES**

- Analytical Training for Instrumentation, Haffkine Institute, Mumbai.
- Introduction to Frozen Foods Technology- An industrial training, Al Kabeer Exports, Pvt. Ltd.
- Vitek-2 and Advance Phase Contrast Microscope, K.V.B.P. College, Vashi.
- Volunteered in intercollegiate event ‘Microscope-14’ Dept. of Microbiology, KJ Somaiya College.

### **POSITIONS OF RESPONSIBILITY**

- Vice president Student Placement committee, M.Sc. Biological Sciences, NMIMS SDSOS (2017–2019)
- Organising Committee—Finance head ‘Microscope- 2015’, K.J. Somaiya College of Science and Commerce, Dept. of Microbiology (September 2015)
- Head Boy, Carmel Convent high School, Badlapur, 2011–2012.

### **LANGUAGES KNOWN**

English, Hindi, Marathi and Bengali.