Shreya Saha

Kolkata, West Bengal, India. shreyasaha83@gmail.com, (+91)7797841999, https://www.linkedin.com/in/shreya-saha-011095

OBJECTIVES

I have completed M.Sc in Biotechnology from Pondicherry University in 2018 and B.Sc in Life Sciences from Presidency University, Kolkata in 2016. I am currently looking for a challenging and fulfilling job in Biotechnology industry. It would be great to work where I can utilize and apply my knowledge, skills which would help me as a fresh graduate to grow as well as contribute in the field.

CAREER POST M.SC

I passed out in 2018 then prepared for GRE and TOEFL. Got selected for an international PhD position in Taiwan (TIGP 2019), but could not join due to problems in my passport and my father's health. In 2019, I resolved the passport issues and prepared for all national level PhD entrance tests. 2020 and mid-2021 was lost due to pandemic. Meanwhile, I completed few online courses and workshop in 2021. In 2022, qualified for GATE 2022 and decided not to wait anymore for PhD and instead try to join Biotechnology industry which was always my goal after completing PhD.

EDUCATION

Aug 2016 – May 2018 Master of Science in Biotechnology
Pondicherry University, Pondicherry, India
Overall CGPA = 9.38/10

Jul 2013 – Jul 2016 Bachelor of Science in Life Sciences
Presidency University, Kolkata, India
Overall CGPA = 8.58/10

PROJECT EXPERIENCES

August 2017 - May 2018 Functional assays for evaluation of potential anti-biofilm activity of recombinant endo-1, 4-beta mannosidase of Bacillus licheniformis against MDR Acinetobacter baumannii
Project Fellow
PI: Prof. Dr. Prashanth Kenchappa, Pondicherry University, India
Skills: Molecular cloning, overexpression and purification of protein, enzyme activity analysis via Zymogram, bacterial staining and detection, anti-biofilm assay. Microbial identification and bacterial culture methods.

May 2017 - July 2017 Effect of Apolipoprotein E deletion on Alfa to Beta myosin heavy chain shift in the mouse heart
Summer Research Trainee
PI: Dr. Regalla Kumaraswamy, CSIR-CCMB, India
Skills: Preparation and maintenance of HEK293 and HeLa cell culture, mice handling, right ventricle dissection of apoe-/- mice (C57BL/6), isolation and screening of mRNAs and lncRNAs, cDNA synthesis, Western blot, q-RT PCR.

January 2016 - March 2016 Prevalence of pain and perceived exertion in tea pluckers of North Bengal
Project Student
PIs: Prof. Dr. Prabir Kumar Mukhopadhyay and Prof. Dr. Aparna Mukhopadhyay, Presidency University, India
Skills: Anthropometric measurements, blood cell counts, socio-economic status, natality-mortality rate, food habits and nutritional assessments, pain measurements using numeric rating pain scale, statistical data analysis.

May 2015 - August 2015 Characterization of bacteria of Jaduguda uranium mines
Summer Project Student
PI: Prof. Dr. Mausumi Sikdar, Presidency University, India
Skills: Bacterial culture methods, plasmid isolation, and antibiotic sensitivity tests.

SKILLS

Molecular Biology:	Microscopy:	Animal Handling:	Computer Skills:
RNA, plasmid, and DNA extraction & isolation, cDNA synthesis, Isolation & screening of mRNAs & lncRNAs, Western Blotting, qRT-PCR, PCR, Molecular cloning, overexpression & purification of protein, Preparation of competent cells, Preparation & maintenance of the HEK293 & the HeLa cell cultures, Agarose gel electrophoresis, SDS-PAGE, NATIVE-PAGE, UV-Vis Spectrophotometry, Bacterial Staining and Identification, Anti-biofilm assays.	Immunofluorescence staining, Fluorescence microscopy-based aggregation study.	Mice handling	Microsoft Office tools, R programming basics, Bio-Python (basic & learning), Bio-Python (basic & learning), Data clustering algorithms, JAVA (basic), ImageJ, STRING analysis, GraphPad PRISM (basic & learning), Operating basic bioinformatic tools like biological databases, sequence analysis.

ACHIEVEMENTS

■ Qualified GATE Life Sciences 2022
■ Secured Second Rank in M.Sc. (Biotechnology), Pondicherry University (2018).
■ Awarded DBT scholarship 2016 to carry out M.Sc. in Biotechnology and received additional scholarship to carry out summer project work at CSIR-CCMB during MSc.
■ Qualified in CEEB held by JNU, India (2016).

CONFERENCES & WORKSHOPS

■ Completed an online course named “Big Data, Genes and medicines” authorized by The State University of New York, offered through Coursera (2021).
■ Completed the course - Prime Minister’s initiative skill development program on theory and hands-on training in “High end equipment for clinical applications- Optical (Confocal) Microscopy” conducted by the CSIR-IICB research institute in India (2021).
■ Participated in the National seminar on “Skill development in frontiers areas of biological sciences for nation building” conducted at Pondicherry University, India (2018).
■ Presented the project entitled "Prevalence of pain and degree of perceived exertion amongst tea pluckers of North Bengal" at the West Bengal State Science and Technology Congress (2016).

LANGUAGES

■ English (Proficient), Bengali (Native), Hindi (Proficient), Japanese (Conversational).

INTERESTS & HOBBIES

■ Exploring, documenting, and cooking different cuisines, learning new languages, gardening.

PONDICHERRY UNIVERSITY

(A Central University)

PUDUCHERRY - 605 014

CONSOLIDATED GRADE REPORT

Sl. No. 30543

Name of the Candidate	Register No.
SHREYA SAHA	16303005

Programme & Specialisation : M.Sc. (BIOTECHNOLOGY)

Sem.	Title of the Course	Course Code	Credit	Marks	Grade	Point	Session
I	CELL BIOLOGY	BIOT411	3	72	A	9	Nov16
I	MICROBIOLOGY	BIOT413	3	82	A+	10	Nov16
I	BIOCHEMISTRY	BIOT414	3	77	A+	10	Nov16
I	TECHNIQUES IN BIOTECHNOLOGY	BIOT415	3	81	A+	10	Nov16
I	CELL BIOLOGY LAB	BIOT461	1	90	A+	10	Nov16
I	MICROBIOLOGY LAB	BIOT463	1	88	A+	10	Nov16
I	BIOCHEMISTRY LAB	BIOT464	1	88	A	9	Nov16
I	TECHNIQUES IN BIOTECHNOLOGY LAB	BIOT465	1	84	A+	10	Nov16
I	BIOPROCESS TECHNOLOGY	BIOT513	3	79	A+	10	Nov16
I	BIOPROCESS TECHNOLOGY LAB	BIOT563	1	81	A+	10	Nov16
II	IMMUNOLOGY	BIOT412	3	80	A+	10	May17
II	MOLECULAR GENETICS	BIOT421	3	90	A+	10	May17
II	MOLECULAR PLANT BREEDING	BIOT425	3	74	A	9	May17
II	STEM CELL BIOLOGY	BIOT426	3	76	A	9	May17
II	IMMUNOLOGY LAB	BIOT462	1	77	A+	10	May17
II	MOLECULAR GENETICS LAB	BIOT471	1	78	A	9	May17
II	MOLECULAR PLANT BREEDING LAB	BIOT475	1	86	A+	10	May17
II	RADIATION BIOLOGY	BIOT521	3	83	A+	10	May17
II	ANIMAL BIOTECHNOLOGY	BIOT522	3	81	A	9	May17
II	RADIATION BIOLOGY LAB	BIOT575	1	82	A+	10	May17
II	ANIMAL BIOTECHNOLOGY LAB	BIOT576	1	73	A	9	May17
III	INTRODUCTION TO BIOINFORMATICS	BINF419	3	61	A	9	Nov17
III	LAB - BIOINFORMATICS DATABASES & TOOLS	BINF455	1	71	A	9	Nov17
III	RECOMBINANT DNA TECHNOLOGY	BIOT511	3	86	A	9	Nov17
III	PLANT BIOTECHNOLOGY	BIOT512	3	64	B+	7	Nov17
III	MARINE BIOTECHNOLOGY	BIOT514	3	67	A-	8	Nov17
III	MEDICAL BIOTECHNOLOGY	BIOT523	3	92	A+	10	Nov17
III	RECOMBINANT DNA TECHNOLOGY LAB	BIOT561	1	95	A+	10	Nov17
III	MARINE BIOTECHNOLOGY LAB	BIOT564	1	70	A-	8	Nov17
III	MEDICAL BIOTECHNOLOGY LAB	BIOT566	1	81	A+	10	Nov17
III	PROJECT	BIOT592	2	88	A+	10	Nov17
IV	PHARMACEUTICAL BIOTECHNOLOGY	BIOT525	3	63	A-	8	May18
IV	CREDIT SEMINAR	BIOT591	1	92	A+	10	May18
IV	PROJECT	BIOT593	4	85	A+	10	May18
***	*** END OF STATEMENT	***					****

Total Credits Earned : 72

Cumulative Grade Point Average : 9.38

Class awarded : I (First Class with Distinction)

Date : 23/5/2018

Seal

ANY CORRECTION IS INVALID

ASSISTANT REGISTRAR (ACA-GENERAL)
PONDICHERRY UNIVERSITY
PUDUCHERRY - 605 014.

REGISTRAR

SL. No. 45175

PONDICHERRY UNIVERSITY

KALAPET
PUDUCHERRY - 605 014.

PROVISIONAL CERTIFICATE

CENTRE	REGISTER No.
PU	16303005

FOLIO No. PG18MO599

THIS IS TO CERTIFY THAT SHREYA SAHA

HAS QUALIFIED FOR THE DEGREE OF MASTER OF SCIENCE IN BIOTECHNOLOGY

HE/SHE HAVING PASSED THE ABOVE SAID DEGREE EXAMINATION

HELD IN MAY 2018 AND PLACED IN FIRST CLASS WITH DISTINCTION

WITH CUMULATIVE GRADE POINT AVERAGE OF 9.38 OUT OF 10.

THIS UNIVERSITY PLACES NO RESTRICTION ON THE STUDENT FROM MIGRATING TO OTHER UNIVERSITIES

OFFICE SEAL

ESTABLISHED BY ACT OF PARLIAMENT 53 OF 1985

DATE 16/07/2018

Controller of Examinations

ASSISTANT REGISTRAR (ACA-GENERAL)
PONDICHERRY UNIVERSITY
PUDUCHERRY - 605 014.

Presidency University

Hindoo College (1817-1855), Presidency College (1855-2010)
86/1, College Street, Kolkata 700073, West Bengal, India
website: www.presiuniv.ac.in

PRESIDENCY UNIVERSITY
KOLKATA

OFFICIAL TRANSCRIPT OF ACADEMIC RECORDS AS ON : 07/12/2018

Name of the Candidate : SHREYA SAHA
Course of Study : Bachelor of Science (Hons)
Subject : Life Sciences
Medium of Instruction : English
System of Grading : 7 Point Grading System in the Scale of 10. (See Overleaf for details).

Records of Examination

REG. No.	13121822045 of 2013 - 14			ROLL No. 13121845			
First Semester				Second Semester			
PAPER	SUBJECT	CR	GR	PAPER	SUBJECT	CR	GR
A. MAJOR TH P 1	Bios 0101 - Plant and Animal Diversity, Organic Evolution and Ecology	4	A	A. MAJOR TH P 2	Bios 0201 - Biophysical Principles, Biochemistry and Biostatistics	4	A+
B. MAJOR PR P 1	Bios 0191 - Plant and Animal Diversity, Organic Evolution and Ecology	6	B	B. MAJOR PR P 2	BIOS0291 Biophysics and Biochemistry	6	A++
C. Gen Ed 1	CHEM0131 Organic Chemistry - I	4	A+	C. Gen Ed A	SOCL0231 : Love	4	B
D. Gen Ed 2	SOCL0131 : Why Study Society?	4	C	D.Gen Ed B	CHEM0231 Inorganic Chemistry - 1	4	A+
E. Gen Ed 3	GEOL0131 : Earth, Atmosphere and Life : Early Days	4	B	E. Gen Ed C	PHYGEOL0231 : Earth : The Living Planet	4	A+
PASSED 1st Sem IN February 2016 ; SGPA (Major) : 7.40 SGPA Extra Departmental) : 7.33				PASSED 2nd Sem IN June, 2014; SGPA (Major) : 9.60 SGPA Extra Departmental) : 8.33			

REG. No.	13121822045 of 2013 - 14			ROLL No. 13121845			
Third Semester				Fourth Semester			
PAPER	SUBJECT	CR	GR	PAPER	SUBJECT	CR	GR
A. MAJOR TH P 3	Bios 0301 - Cell Biology, Molecular Biology and Genetics	4	D	A.MAJOR TH P 5	Bios 0401_3 - Digestion, Nutrition, Excretion and Thermal Homeostasis	4	A+
B. MAJOR TH P 4	Bios 0302 - Microbiology, Biology of Diseases and Immunology	4	C	B. MAJOR TH P 6	Bios 0402_2- Blood , Body Fluids, Hematology, Cardio-vascular System and Respiration	4	A+
C. MAJOR PR P 3	Bios 0391 - Cell Biology, Molecular Biology, Genetics Microbiology and Immunology	6	B	C. MAJOR PR P 4	Bios 0491 - Practical Related to Theoretical Papers 5 and 6 of the Semester	6	A+
D. Gen Ed A	CHEM0331 Organic Chemistry 2	4	D	D. Gen Ed A	CHEM0431 Inorganic Chemistry - 2	4	B
E. Gen Ed B	GEOL0331 Mass Extinction /Apocalypse in Earth's History	4	B	E. Gen Ed B	GEOL0431 Man and Environment	4	A
PASSED 3rd Sem IN JANUARY 2015; SGPA (Major) : 6.14 SGPA Extra Departmental) : 6.00				PASSED 4th Sem IN JUNE 2015; SGPA (Major) : 9.00 SGPA Extra Departmental) : 7.50			

REG. No.	13121822045 of 2013 - 14			ROLL No. 13121845			
Fifth Semester				Sixth Semester			
PAPER	SUBJECT	CR	GR	PAPER	SUBJECT	CR	GR
A. MAJOR TH P 7	Bios 0501_1 - Bioenergetics, Intermediary Metabolism	4	A	A.MAJOR TH P 10	Bios 0601 - Biostatistics and Bioinformatics	4	A+
B. MAJOR TH P 8	Bios 0502_4 - Nervous System, Physiology of Nerve and Muscle, Sensory Physiology	4	A++	B. MAJOR TH P 11	Bios 0602_2 - Social Stress, Sports Physiology and Ergonomics	4	A++
C. MAJOR TH P 9	Bios 0503_1 - Endocrinology, Neuroendocrinology and Human Reproduction	4	A+	C. MAJOR TH P 12	Bios 0603_1 - Pathophysiology of Common Diseases and Pharm. Drug Design	4	A+
D. MAJOR PR P 5	BIOS0591_2 - Bioenergetics, Nerve-Muscle Physiology and Immunology	6	A++	D. MAJOR PR P 7	BIOS0691 - Practical Based on Theory	6	A++
E. MAJOR PR P 6	BIOS0592_2 - Endocrinology and Grand Viva	6	A+	E. MAJOR PR P 8	BIOS0692 - Practical Based on Theory	6	A
PASSED 5th Sem IN FEBRUARY 2016; SGPA (Major) : 9.25 SGPA Extra Departmental) : N/A				PASSED 6th Sem IN JUNE 2016; SGPA (Major) : 9.17 SGPA Extra Departmental) : N/A			

CGPA (Major) = 8.58
CGPA (Gen ED) = 7.40

Controller of Examinations

The 7th December, 2018

Checked by

*GR - Grade

*CR - Credit

$$SGPA_j = \frac{\sum_{i=1}^{n} m_i c_i}{\sum_{i=1}^{n} c_i}$$

Where n is the number of courses in the j^{th} semester, m_i denotes the numerical value of the grade obtained in the i^{th} course of the semester. Ci denotes the number of credit for the i^{th} course of the semester.

Cumulative Grade Point Average (CPGA) for k semesters is given as :

$$CGPA_j = \frac{\sum_{j=1}^{k} (SGPA_j \times c_j)}{\sum_{j=1}^{k} c_j}$$

Where C_j is the total number of credits in the j^{th} semester.

CLASSIFICATION OF GRADES :

MARKS OBTAIN	GRADE	GRADE POINT
90 and above	A++	10
80 to 89	A+	9
70 to 79	A	8
60 to 69	B	7
50 to 59	C	6
40 to 49	D	5
<40 (unsuccessfu	E	0