

Curriculum Vitae

SHRABANI BARMAN

Parbartipur, Tamluk, Purba Medinipur

West Bengal, Pin-721636



Shrabani Barman

Personal Details:

Father: Sital Prasad Barman

Mother: Bapi Barman

Place of Birth: Tamluk, West Bengal, India

Religion: Hindu

Sex: Female

Languages: English, Hindi and Bengali

Date of Birth: 10 th April, 1998

Email: shrabanibarmannampi@gmail.com

Category: Sc

Marital Status: Unmarried

Mobile: +919474381332

EDUCATION:

Sl No.	Degree	Year	Institute/ Affiliation	Result
1	M.Sc Biotechnology	2018-20	Pondicherry University	7.94 (CGPA)
2	B.Sc Zoology	2015-18	Midnapore College, Under the affiliation of Vidyasagar University	71.6%
3	Higher Secondary Examination	2013-15	Rajkumari Santanamoyee Girls' High School/ WBCHSE	82.8%
4	Secondary Examination	2012-13	Rajkumari Santanamoyee Girls' High School/ WBBSE	84%

Laboratory Skills:

Microbiological techniques: Bacterial Culture, Solid and Liquid medium preparation isolation, Streaking, Spreading, Stab, Slant preparation, Plating a culture

Transformation, transduction, conjugation, Microbial staining, competent cell preparation, Biochemical testing, Antibiotics assays

Molecular biology techniques: Genomic DNA isolation, RNA isolation, Restriction Digestion, Plasmid isolation, Agarose Gel electrophoresis/SDS PAGE, Native PAGE, PCR amplification of DNA, RFLP.

Biochemistry: Qualitative and qualitative estimation of Sugars and Amino acids by different methods, Biochemical tests for Lipid, Protein assay, Thin Layer Chromatography (TLC), Paper Chromatography, Various Enzyme assays, Quantitative.

Plant Biotechnology: Tissue Culture techniques, Tissue culture of various plants, General breeding techniques- Emasculation, pollination, tagging.

Immunological techniques: WIDAL test, Blood grouping, ELISA, Immunodiffusions, Immuno-electrophoresis, Western Blot (Theoretical Knowledge), Nano Pro Immunoassay (Theoretical Knowledge), Complement fixation (Theoretical Knowledge).

Instrument handled: Microscope, Weighing balance, Centrifuge, Autoclave, pH meter, U-V Vis Spectrophotometer, PCR, Lyophilizer, NanoDrop.

Instrument Demonstration: High Performance Liquid Chromatography (HPLC), High-performance thin-layer chromatography (HPTLC), High Performance Thin Layer Chromatography, Western Blot, Scanning Electron Microscopy, Ion Exchange Chromatography, Nuclear Magnetic Resonance (NMR) Spectroscopy, Electron Spin Resonance Spectroscopy, FACS, Fourier-transform infrared spectroscopy (FTIR)

Software Knowledge: NCBI tools BLAST FASTA, Clustal Omega, Mega, PDB, Pubmed, Pymol, Autodock, Marvin Sketch, Sequence Alignment, Uniprot, 3D structure analysis, Tracing back, Needleman winch.

Area of Higher Study

Biochemistry, Genetics, Cell Biology, Molecular Biology, Genomics

Fellowship:

JNU CEEB Fellowship (Rank- Sc 26)

Publications:

1. Reduction of Food Wastage: Roles of Administrative Interventions and Cultural Ecosystem Services
2. The Sustainable Solutions for Reducing Water Foot Prints of Rice

Conferences:

1. International Conferences on Interdisciplinary Approaches to Environment, Ecosystems and Sustainable Development (ICIAEESD 2020)
2. Recent Advances in Biodiversity, Biology, and Biotechnology of Fungi (MSI 2019)

Projects:

1. Molecular Phylogeny of Butterfly Collected from Burdwan District, West Bengal, India (Jadavpur University, 2019)
2. The investigations on the active site of superoxide dismutase: identification of conserved amino acids and its divergence across plant and animal kingdom (Pondicherry University, 2020)

Workshop:

1. 'Workshop on Animal Experimentation' by Central Animal House Facility, Pondicherry University

Computer knowledge: Computer fundamentals, office and internet

Place: Pondicherry