

# CURRICULUM VITAE

## PERSONAL INFORMATION

**Name:** Sayantan Santra

**Date of Birth:** 6th March, 1995

**Languages:** Fluent in English, Hindi, Bengali

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## CURRENT POSITION

Currently I'm working in a Project on Structure-Function analysis of Centromere and it's associated centromeric protein CENP-A in *Candida parasilopsis sensu lato* species complex.

## ACADEMIC CAREER

### **1. Master's Degree in Agricultural Biotechnology, 2015 – 2017**

**IRDM Faculty Centre, Ramakrishna Mission Vivekananda University, Kolkata, India**

**GPA – 8.38 (Out of 10)**

During my 2-years M.Sc course, I was very keen on learning the following topics:

- Cell Biology
- Biochemistry and Physiology
- Bioinformatics
- Immunology
- Biostatistics
- Genetics
- Molecular Biology
- Plant Tissue Culture
- Microbiology
- Environmental Biotechnology
- Fundamental of crop production & improvement
- Molecular plant breeding
- Genetic Engineering
- Molecular Tools and Techniques
- Genomics and Proteomics

**M.sc research Work on - Studies on some Aspects of Vascular Endothelial Growth Factor (VEGF) & Matrix Metalloproteinase-2 (MMP-2).**

### **2. B. Sc in Microbiology (2012-2015) from Burdwan University, Burdwan, India**

Passed with 71% Marks. (1st Class)

Subject Combination- Microbiology (Honours), Zoology, Chemistry.

During my 3-years Bachelors (Honors) course, I was very keen on accumulating knowledge on classical Microbiology, Microbial Genetics, Virology, Environmental Microbiology, Molecular Biology, Recombinant DNA technology, Medical Microbiology, Industrial Application of Microbiology etc.

## **PUBLICATION**

Mondal, S., **Santra, S.**, Ali, MN., Mandal, S., Mukherjee, R., Adhikari, A., Chatterjee, A. (2018). Salivary VEGF: A potential Breast Cancer Marker. *Cancer & Clinical Oncology*.7(2). (doi: 10.5539/cco.v7n2p11)

## **QUALIFICATION IN NATIONAL LEVEL EXAMINATION**

1. Qualified GATE (Graduate Amplitude Test in Engineering) - Biotechnology with AIR 754 in 2018.
2. Qualified National Eligibility Test examination 2018 conducted by Indian council of Agricultural Research (ICAR).

## **TECHNICAL EXPERIENCES**

- Isolation of Genomic & plasmid DNA from bacteria, fungi, RNA extraction from fungus, animal tissue samples
- PCR, Transformation (Bacterial), Gene cloning and expression, Agarose gel electrophoresis, Restriction digestion
- Western Blot, Dot Blot, Protein purification, SDS-PAGE, Zymography, ELISA
- Paper Chromatography, TLC
- Designing primers, marker analysis
- Isolation of Microbes from Industrial Soil, Waste, Urine, Blood, sputum etc.
- Determination of DNA, protein concentration
- Estimation of reducing and non-reducing sugars
- Antibiotic sensitivity and testing antimicrobial activity of different samples
- Basic Bioinformatics packages like CLUSTALW, ESPRIPT, EMBOSS, MUSCLE, MEGA6, Structure viewing tool like iCn3D
- Handling of basic stastical tools like SPSS, GENRES etc.
- Basic plant tissue culture techniques- Micropropagation, Anther culture, pollen culture, Suspension culture etc.

## **REFEREE DETAILS**

1. **Dr. Gautam Chatterjee**, Asst. Professor, Ramakrishna Mission Vivekananda Educational & Research Institute, Kolkata EMAIL ID- gautamchatterjee84@gmail.com
2. **Dr. Amitava Chatterjee**, Emeritus Scientist, Ramakrishna Mission Vivekananda Educational & Research Institute, Kolkata EMAIL ID- amitavachatterjee24@gmail.com
3. **Dr. Dipanjan Ghosh**, Asst. Professor, Nation Institute of Pharmaceutical Education & Research, Kolkata EMAIL ID- dipanjan4u@gmail.com