

# **CURRICULAM VITAE**

**NAME :PAMELA DUTTARROY**  
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## **PRESENT AFFILIATION :**

**SACT- I in the Department of Microbiology and Molecular Biology of Sammilani Mahavidyalaya since 2005.**

**Pursuing P.hD under the guidance of Dr. Krishnakali Basu Niyogi. Registered in the Department of Biochemistry, Ballygunge Science College, University of Calcutta.**

## **EDUCATIONAL QUALIFICATION:**

	<b>DEGREE</b>	<b>SCHOOL/COLLEGE</b>	<b>PERCENTAGE</b>	<b>YEAR OF PASSING</b>	<b>DIVISION</b>
1	<b>M.SC (BIOCHEMISTRY)</b>	UNIVERSITY OF CALCUTTA	63%	2004	I
2	<b>B.Sc. (MICROBIOLOGY HONOURS)</b>	SAMMILANI MAHAVIDYALAYA (UNIVERSITY OF CALCUTTA)	60%	2002	I
3	<b>10+2 (WBCHSE)</b>	RASHMONI BALIKA VIDYALAYA	69%	1998	I
4	<b>10 (WBSE)</b>	TAKI HOUSE GOVT. SPONSORED GIRLS HIGH SCHOOL	76.4%	1996	I
5	<b>SET</b>	THE WEST BENGAL COLLEGE SERVICE COMMISSION		2024	

### **RESEARCH EXPERIENCE:**

**Pursued UGC sponsored Minor project entitled“Production of Fungal Catalase for Industrial Application“ at Sammilani Mahavidyalaya, kolkata, under the guidance of Dr. Krishnakali Basu Niyogi. Duration of the project 2009-2011.**

### **PRACTICAL EXPERIENCE:**

Familiar with

- Plasmid isolation, Bacterial Conjugation, Transformation, Restriction digestion, Phage titration, SDS PAGE, Agarose gel electrophoresis, PCR, FPLC, Immobilization of Cells and Enzymes.
- Immunological experiments (Blood group determination, Immuno electrophoresis, Ouchterlony double diffusion, Radial immuno diffusion)
- Cultivation of bacteria (Streak plate, Pour plate, Spread plate technique)
- Staining techniques (Simple staining, Gram staining, Endospore staining, Capsule staining)
- Microscopic measurement of bacterial cell
- Enumeration of microbes by Haemocytometer
- Biochemical experiments (Qualitative tests of carbohydrate, protein, lipid)
- Enzymatic experiments( enzyme kinetics, optimum pH determination, activation & inhibition of enzyme, solid state fermentation)
- Thin layer chromatography (amino acid), Formol titration
- Qualitative analysis of water(Multiple tube fermentation, IMViC ),Milk(MBRT)
- Antibiotic sensitivity test ( Paper disc, Cup plate method)
- Determination of Phenol coefficient, MIC

### **SUBJECTS OF INTEREST:**

Molecular Biology, Biochemistry, Immunology, Recombinant DNA Technology.

### **TECHNICAL SKILL:**

- **Computer Skill:** Basics of Microsoft office(Ms-WORD, EXCEL, POWER POINT)
- **Laboratory Skill:** Handling of light microscope, pH meter, Autoclave, UV-VIS Spectrophotometer, Incubator, Table top centrifuge, cold centrifuge.

### **PARTICIPATED IN:**

- 1) Presented poster titled “ Production of Fungal Catalase for Industrial Application” in the National Symposium on “ 21<sup>st</sup> Century Research in Biochemistry and Biophysics” organized by University of Kalyani, West Bengal on February 1-3, 2007.
- 2) Oral presentation in the UGC Sponsored National level Seminar on “Recent Trends in Microbiological Research” organized by Dept of Microbiology, Barrackpore Rastraguru Surendranath College and WBSU on 13<sup>th</sup> -14<sup>th</sup> February, 2010.
- 3) Attended a one day workshop on “Teaching Microbiology in undergraduate colleges” organized by Dept. of Biochemistry, CU, on 25th September, 2010.
- 4) Attended UGC sponsored seminar on “Modern biology and its impact on Public Health” on 18th January 2012, organized by Dinabandhu Andrews College and NICED, Kolkata
- 5) Participate(gave abstract) in national conference on “Advancing Biology through technology and computation” on 22nd August, 2014, organized by Dept. of Microbiology, WBSU and Kingston college of science.
- 6) Participate in one day seminar cum workshop on “Microbial structuring and its role in marine and other ecosystem functioning” on 15th November, 2014, organized by Dept. of Biochemistry, CU.
- 7) Presented poster titled “comparative studies on immobilized and soluble catalase” in UGC sponsored national level seminar entitled “Frontiers of Microbiology: prospects and challenges” on 20-21st November, 2014, organized by Dept. of Microbiology, Ramkrishna Mission Vidyamandir and CSIR-IICB.
- 8) Participate in National level Webinar series on “Science amidst Covid Pandemic: Life Goes On” on 16<sup>th</sup> – 17<sup>th</sup> July 2020, Organized by the Department of Microbiology and IQAC of Raidighi College and Sammilani Mahavidyalaya.
- 9) Participate as Speaker on a State Level Seminar organized by the IQAC of Matiaburj college on the topic” Challenges of combating the threats on Mother Earth & its Solution” for the observance of World Earth Day, 2022 on 22<sup>nd</sup> April 2022

**PERSONAL INFORMATION:**

<b>FATHER'S NAME</b>	AMAL DUTTARROY
<b>MOTHER'S NAME</b>	APARNA DUTTARROY
<b>DATE OF BIRTH</b>	20.11.1979
<b>SEX</b>	FEMALE
<b>NATIONALITY</b>	INDIAN
<b>LANGUAGES KNOWN</b>	BENGALI,ENGLISH,HINDI
<b>HOBBIES</b>	LISTENING MUSIC, READING STORY BOOKS, DANCING
<b>PERMANENT ADDRESS</b>	C/O AMAL DUTTARROY, BARUIPUR PURATAN BAZAR, (NEAR BARUIPUR HIGH SCHOOL), P.O-BARUIPUR, KOLKATA-700144
<b>PRESENT ADDRESS</b>	DO

