



## **Dr. SUCHITRA SARKAR**

**Designation:** GOVT APPROVED PTT

**About Me:** I did my graduation in Botany from Presidency College, C.U in 1987 did my Masters in Biochemistry from the Department of Biochemistry & Biophysics, Kalyani University and thereafter completed Ph.D on the mechanism of artificial transformation of *E.coli* under the same University in the year 2000.

### **Qualifications: M.Sc. Ph.D.**

Ph.D in Biochemistry in 2003

Awarded CSIR SRF from CSIR, Govt. of India

Awarded DBT-PDF from DBT, Govt of India.

### **Current Teaching:**

Biochemistry

Molecular Biology

Microbial Biotechnology

Immunology

### **Teaching experience:**

Two years teaching experience as lecturer and Head in Biotechnology in the Department of Biotechnology, Kanchrapara college, Kalyani University as Contractual basis.

### **Research activities:**

Post doctoral research activities in heavy metal tolerance and quorum sensing as DBT-PDF from the Department of Biotechnology, university of North Bengal.

### **Publications:**

- 1) **S.Sarkar** & R. Chakraborty 'Quorum sensing in metal tolerance of *Acinetobacter junii* BB1A is associated with biofilm production' **FEMS Microbiol. Lett.** 2008: 160-5.
- 2) **S.Sarkar**, S.Choudhury & T.Basu, 'Ethanol induced enhancement of the transformation efficiency of *E.Coli* by plasmid DNA', **Ind. J. Biotechnol** 2002:1:209
- 3) **S.Sarkar**, S.Choudhury & T.Basu, 'Mechanism of artificial transformation of *E.coli* with plasmid DNA: clues from the influence of ethanol'. **Current Science** 2002; 83(11), 101
- 4) S.Choudhury, B.Jana, **S.Sarkar** & T.Basu, 'Accumulation of periplasmic protein alkaline phosphatase in cell cytosol induces heat shock response in *E.coli*'. **Current Science** 2004; 87(7), 986.
- 5) **S. Sarkar**, 'Quorum sensing and social cheating: an inner view to the microbial cell communication', **MAC Journal of Basic and Applied Science** 2016; 3(1), 99.
- 6) A. Das, S. Chowdhury, D.Pal, **S.Sarkar** & S.P.Banik, 'Modulation of cellobiase secretion by physiological stress in the filamentous fungus *Penicillium chrysogenum*.' **MAC Journal of Basic and Applied Science** 2016; 3(1), 111.

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