

## Curriculum Vitae

**Dr. SUDIPTO MANDAL**

**Personal Details:** Date of Birth: 20<sup>th</sup> March, 1989  
India  
Language: English (Fluent), Bengali (Native), Hindi  
Mobile: +91-9474880342  
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### **RESEARCH AND WORK EXPERIENCE:**

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**February 2024- Present**

Assistant Professor, Department of Microbiology  
Ramakrishna Mission Vidyamandira, Belur Math

**October 2018- February 2024**

Scientific Officer, Microbiology Lab  
Tata Medical Center, Kolkata, India

**November 2017- July 2018**

Hebrew University of Jerusalem, Israel  
Postdoctoral Research  
Prof. Orna Amster-Choder Lab

Research Topic

Mapping of Bacterial RNA interactome  
/ Dynamics of bacterial cell division related proteins  
in lipid export deficient mutants

**September 2011- September 2017**

National Institute of Cholera and Enteric Diseases  
Kolkata, India (Ph.D. student)

Research Topic

A study on effect and response of GbpA, a chitin-binding  
protein of *Vibrio cholerae* on intestinal cells during  
pathogenesis.

**Supervisor: Nabendu S Chatterjee, Ph.D**

### **EDUCATION:**

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2017

Ph.D in Microbiology., University of Calcutta, Kolkata

2011

M.Sc. in Microbiology and Microbial Technology  
**(First class)**, University of Kalyani, India

2009

B.Sc. with Honours in Microbiology **(First class)**  
Ramakrishna Mission Vidyamandira,  
University of Calcutta, Kolkata, India

## AWARDS AND FELLOWSHIPS:

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2017-2018	Hebrew University, Israel, Postdoctoral Fellowship
2013-2016	Senior Research Fellow (Doctoral fellowship) from University Grants Commission (UGC), Govt. of India at National Institute of Cholera and Enteric Diseases, Kolkata
2011-2013	Junior Research Fellow (Doctoral fellowship) from University Grants Commission (UGC), Govt. of India at National Institute of Cholera and Enteric Diseases, Kolkata
December 2010	Qualified the National Eligibility Test conducted by the Council of Scientific and Industrial Research (CSIR) and University Grants Commission (UGC), Govt. of India, for junior research fellowship (JRF)
February 2011	Qualified the Graduate Aptitude Test in Engineering (GATE) conducted by the Indian Institute of Technology Madras.

## PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. *Vibrio cholerae* GbpA elicits necrotic cell death in intestinal cells. **Sudipto Mandal**, Nabendu Sekhar Chatterjee. *Journal of Medical Microbiology*. doi:10.1099/jmm.0.000298. (2016). **Impact Factor : 2.362**
2. Preparation, characterization and in vivo evaluation of pH-sensitive, safe quercetin-succinylated chitosan-alginate core-shell-corona nanoparticle for diabetes treatment. P.Mukhopadhyay, S. Maity, **Sudipto Mandal**, A.S. Chakraborti, A.K. Prajapati, P.P. Kundu. *Carbohydrate Polymers*. <https://doi.org/10.1016/j.carbpol.2017.10.098>. **Impact Factor: 5.3**
3. COVID diagnostics by molecular methods: A systematic review of nucleic acid based testing systems. P. Das, **Sudipto Mandal**, S. Pal, S. Roy, A. Vidyadharan, R. Dadwal, S. Bhattacharya, DK Mishra, M. Chandy. *Indian Journal of Medical Microbiology*. (2021). **Impact Factor: 1.6**
4. Molecular epidemiology of SARS-CoV-2 in healthcare workers and identification of viral genomic correlates of transmissibility and vaccine break through infection: A retrospective observational study from a cancer hospital in eastern India. S. Bhattacharya, S. Chatterji, M. Chandy, A.Y. Mahajan, G.Goel, D Mishra, P. Vivek, Sudipto Mandal, A. Chugani, A. Mittal, R.C. Perumal, V.L. Ramprasad, R.Gupta. *Indian Journal of Medical Microbiology*. (2022). **Impact Factor: 1.6**
5. An analysis of the standard curve parameters of cytomegalovirus, BK virus and hepatitis B virus quantitative polymerase chain reaction from a clinical virology laboratory in eastern India. S.Sahoo, Sudipto Mandal, P.Das, S.Bhattacharya, M. Chandy *Indian Journal of Medical Microbiology*. (2022). **Impact Factor: 1.6**

## INVITED TALK AND POSTER PRESENTATION AT CONFERENCES

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### **Invited Talk:**

Frontiers in Modern Biology held in November 9 -10, 2013 at Department of Biological Sciences, Indian Institute of Scientific Education and Research- Kolkata. **Title:** Analysis of transcriptional activity of human MUC5AC gene under the influence of *Vibrio cholerae* chitin-binding protein GbpA.

### **Poster:**

83<sup>rd</sup> Annual Meeting of Society of Biological Chemists (India) held in KIIT University, Bhubaneswar, India on Evolution: Molecules to Life. December 18-21, 2014. **Title:** Characterization of cytotoxic property of a *Vibrio cholerae* chitin binding protein GbpA.

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