



## **RAMMOHAN COLLEGE**

### **FACULTY ACADEMIC PROFILE**

NAME: **Dr. ANINDITA DAS**

DEPARTMENT: **BOTANY**

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ACADEMIC BACKGROUND:

**B.SC (BOTANY), PRESIDENCY COLLEGE, 2000.**

**M.SC (BOTANY), UNIVERSITY OF CALCUTTA, 2002.**

**PH.D. (BIOPHYSICS, MOLECULAR BIOLOGY AND GENETICS) UNIVERSITY OF CALCUTTA, 2010.**

POSITION: **Assistant Professor**

AWARDS/HONOURS:

- (i) **First Class Second position in B.Sc. (Botany)**
- (ii) **First Class First position in M.Sc. (Botany)**
- (iii) **CSIR-NET Fellowship in 2003**
- (iv) **WB SLET in 2003**
- (v) **DBT Post-doctoral Fellowship in 2010**

RESEARCH INTEREST: **Molecular Biology and Microbiology.**

SELECTED PUBLICATIONS:

- 1) **Das A, Ghosh J, Bhattacharya A, Samanta D, Das D, Das Gupta C.** Involvement of mitochondrial ribosomal protein in ribosomal RNA mediated protein folding. **J Biol Chem.** 2011 Dec 23; 286(51):43771-81.
- 2) **Das D, Samanta D, Das A, Ghosh J, Bhattacharya A, Basu A, Chakrabarti A, Das Gupta C.** Ribosome: The Structure–Function Relation and a New Paradigm to the Protein Folding Problem. **Isr. J. Chem.** 2010, 50, 109 – 116.
- 3) **Samanta D, Das A, Bhattacharya A, Basu A, Das D, Das Gupta C.** Mechanism of ribosome assisted protein folding: a new insight into rRNA functions. **Biochem Biophys Res Commun.** 2009, 384, 137-140.
- 4) **Samanta D, Das A, Das D, Das Gupta C.** Protein Folding by Ribosome -- A Search for Molecular selection Pressure. **Science and Culture,** 2009, 74, 120.

5) Das D, **Das A**, Samanta D, Ghosh J, Dasgupta S, Bhattacharya A, Basu A, Sanyal S, Das Gupta C. Role of the ribosome in protein folding. **Biotechnol J**. 2008, 3, 999-1009.

6) **Book chapter:**

Ribosome Assisted Protein Folding: Some of its Biological Implications. Dibyendu Samanta, Anindita Das, Debasis Das, Arpita Bhattacharya, Arunima Basu, Jaydip Ghosh and Chanchal DasGupta. Protein Folding, Novascience publications, Editor: Eric C. Walters, 2010, 4<sup>th</sup> quarter, ISBN: 978-1-61728-990-3