

# CURRICULUM VITAE

1. **Name** : DILIP ROY
2. **Address** : **Lab:** C/o. Dr. Subrata Majumder  
Bose Institute  
Deptt. of Microbiology  
P-1/12, C.I.T. Road, Scheme-VII M  
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3. **Date of Birth** : 8<sup>th</sup> November, 1961.
4. **Place Of Birth** : Calcutta, West Bengal, India
5. **Sex** : Male
6. **Citizenship** : Indian
7. **Martial Status** : Married
8. **Educational Qualification** :

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## University

## Degree

Calcutta **B.Sc.** (Science) with Chemistry major in 1984.

Calcutta **M.Sc.** (Biochemistry) in 1986.

Calcutta **Ph.D.** (Biochemistry) in 1994.

Bose Institute, Calcutta Post-doctoral research works in the Deptt. Of Microbiology (in progress).

**Sub:** Lipoarabinomannan Included cytotoxic effects in Human mononuclear cells in relation to signal Transduction mechanism.

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9. Techniques acquainted with:

- a) Biochemical techniques involved in enzyme analysis including enzyme kinetics & physiological properties of enzymes.
- b) Spectrofluorimetric assay of colored compounds.
- c) Different chromatographic techniques to separate lipids, amino acids, proteins, carbohydrates etc.
- d) PHLIC & GLC techniques.
- e) Gel Electrophoresis Techniques.
- f) Radioactive isotope related experiments.
- g) Cell culture techniques with RPMI-1640.
- h) DNA isolation techniques & fragmentation analysis in relation to expt.
- i) Western Blotting Techniques and Northern Blotting Techniques.
- j) ELISA test in relation to cytokines parameters.

10. Publications:

- i) A. Bhunia, D.Roy, S.K. Banerjee(1991) "Responses of enzyme involved in the process of antioxidation towards benthocarb & methyl parathion in cyanobacteria *Nostoc muscorum*". Bull. Environcontam. Toxicol (U.S.A) 47 : 266-271.
- ii) D.Roy, A.Bhunia, N.Basu (1992) "Effect of NaCl – Salinity on Metabolism of Proline in Salt – Sensitive and Salt-Resistant cultivars of rice. (Chezkoslovakia) 34 (1-2) : 159 - 162
- iii) Bhunia A.K.; Roy D; Banerjee S.K. (1993) "Carbaryl induced effects on glutathione content. glutathione reductase & superoxide dismutase activity of the cyanobacterium *Nostoc muscorum*". Letters in applied Microbiology. 16, 10-13.
- iv) D.Roy, N. Basu, R. Marik & S.K. Banerjee(1995) " Changes in levels of endogenous gibberellins and abscisic acid in salt-sensitive germinating rice by NaCl-salinity". Ind. J. Plant Physiol and Biochemistry 22(2) : 200-202.
- v) S.Ghosh, D.Roy & S.Majumder (1997) "Lipoarabinomannan induced cytotoxic effects in Human peripheral mononuclear cells" In XXIV Annual Conference of Indian Immunological Society held at Calcutta, India.
- vi) D.Roy & S.Majumder (2001) paper published in the "International conference of American Society of cellular biology" at Washington DC, USA . [8-12 December 2001]
- vii) .D.Roy et.al. (2004) Lipoarabinomannan derived from virulent and avirulent strains of Mycobacteria induces down-stream signaling cascade in human peripheral blood mono-nuclear cells. Fems immunol. Medical microbiology. ( accepted )

**Referees**

- i) Dr. Subrata Majumder  
Reader, Bose Institute, Deptt. of Microbiology & Immunology.  
P-1/12, C.I.T Road, Scheme VII M, Cal-54, India.  
(Guide during post-doctor research)
  
- ii) Dr. Sudip K. Banerjee, Ph. D  
Professor & Ex. Head of the Deptt.  
Department of Biochemistry  
University College of Science  
Calcutta University  
35, Ballygunge Circular Road, Cal-19, India  
(Guide During Ph. D. Works).
  
- iii) Dr. R.K Mondal  
Ex Professor, Deptt. Of Biochemistry  
Bose Institute  
P-1/12, C.I.T Road, Scheme VII M, Cal-54, India.
  
- iv) Dr.Amit Krishna De  
Asst. Executive Secretary  
Indian Science Congress Association  
14, Dr. Biresh Guha Street  
Calcutta – 700 017, India.