

## CURRICULUM VITAE

NAME : ABHIJIT NAYAK  
DESIGNATION ASSOCIATE PROFESSOR  
DATE OF BIRTH : 19 SEPTEMBER 1969

### ACADEMIC QUALIFICATION

1. Ph.D degree from IICB(CSIR) under Jadavpur University, Calcutta.
2. Qualified NET (CSIR/UGC) examination 1993.
3. Passed M.Sc( Biochemistry) from Allahabad University
4. Passed B.Sc. B.Ed 4 year integrated course(Regional College of Education, NCERT).

### AREA OF SPECIALISATION

Worked in the field of Advance Immunomodulation project with reference to Septicaemia(Sepsis) or Endotoxemia.).Underwent training with all practical skills in various fields related to bacterial lipopolysaccharides, tissue culture, various latest immunological techniques and other cell biology studies. He has varied research experience in the area of cell biology, microbiology, immunology, toxicology, latest instrumentation techniques

AREA OF INTEREST : Immunomodulation, Vaccines,  
Lipopolysaccharides.

### RESEARCH EXPERIENCE

4 Years of research experience in the field of Immunomodulation for Ph.D degree and post degree research activities in Biochemistry at Indian Institute of Chemical Biology (CSIR LAB), Jadavpur, Calcutta.

### PROFESSIONAL MEMBERSHIP

1. Life member of Indian Biochemical Society.
2. Life member of Indian society of Vocational Education

## **PARTICIPATION IN CONFERENCE**

National Symposium on Cell Biology of Parasitic Protozoans, 2-4 November, 1993, Allahabad .

National Seminar on Cell Biology, 23-25 February, 1996, IICB, Calcutta.

25th Silver Jubilee National Conference Of Indian Association of Preventive and Social Medicine, Gandhi Medical College, Bhopal, 23-25 October, 1997.

National Symposium in Preventive and Community Medicine.  
- Presented a paper on Hospital House Keeping

International Symposium on Pain and Palliative Care  
Presented a paper on Alternative medicine.

National Symposium on Future Biotechnology Application

## **LIST OF INNOVATIONS / DESIGN OF CURRICULA FOR HEALTH AREA**

### **4<sup>TH</sup> LARGEST SERVICE SECTOR WITH GROWTH POTENTIAL @ 24 %**

1. Newly developed competency based curricula
  - a) Biomedical Equipment Maintenance Technician course
  - b) ECG & audiometric Technician course
  - c) Physiotherapy Technician course for visually challenged .
  - d) Telecom Operator Course for visually/orthopedically challenged.
  - e) Medical Service Assistant course
  - f) Low Vision Ophthalmic Technician course
  - g) Operation Theatre Technician Course
  - h) Modular Competency based Curriculum in area of Biotechnology
  - i) Hospital Administration
  - j) Health Club Management
  - k) Sports Science Lab Tech.

## **LIST OF PUBLICATION**

2. Revised version of competency based X-Ray Technician curricula.
3. Revised version of competency based Ophthalmic Technician curricula.
4. Translated version of competency based curricula from English to Hindi
  - a) Medical Lab Technician
  - b) X-Ray Technician.

5. Modular Text books. Pathology Laboratory Technician (**Ongoing Project**)
- |                  |                          |                          |
|------------------|--------------------------|--------------------------|
| a) Physiology.   | d) Lab Management        | g) Clinical Parasitology |
| b) Blood Bank.   | e) Clinical Biochemistry | h) Tissue Culture        |
| c) Microbiology. | f) Serology              | I) Anatomy               |

### **International Research Publication**

1. Isolation and characterisation of the lipopolysaccharide from Acidiphilium strain GS18h/ATCC55963, a soil isolate of Indian copper mine, FEMS Microbiology Letters, 2005, 246, 183-190.
2. Immunological activities of a new non-toxic lipopolysaccharide from Acidiphilium GS18h/ATCC55963, a soil isolate from an Indian copper mine, FEMS Immunol Med Microbiol(2006)1-9.

### **NATIONAL PUBLICATIONS:**

1. Slow implementation of Health Related Vocational Education in India: the cause and the solution, 1997, June, Volume-II, NO1 Indian Journal Vocational Education.
2. NGO's and Health Related Vocational Courses: Employment Potentiality. Indian Journal of Vocational Education, Vol 5, No.2, 2003.

### **PATENTS UNDER CREDIT.**

1. One Gram negative Bacterial strain at American Type Collection Centre(ATCC) USA. Patent NO. 55963.
2. Indian Patent No 690/Del/96.
3. U.S.A Patent No. 5846789
4. Europe Patent number
5. Japan Patent.

### **Additional Work**

1. Executive editor of Indian Journal Of Vocational Education
2. Editor of Institutes Bulletin