

PERSONAL INFORMATION

Name : Sachendra kumar
Academic Status : 2nd year, M.Sc. Biotechnology,
Indian Institute Technology, Bombay
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Date of Birth : January, 12, 1988
Sex : Male
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EDUCATION

- 1) Completed B.Sc. – Agriculture (4 year) from Uttar Banga Krishi Viswavidyalaya, Cooch Behar (West Bengal) with a OGPA 8.51.in June 2011.
- 2) Completed 10 + 2 from Kendriya Vidyalaya, Muzaffarpur through CBSE Board with an aggregate of 70.60%. in June 2006.
- 3) Completed secondary school examination (10th) from Kendriya Vidyalaya, Muzaffarpur through CBSE Board with an aggregate of 74.30%. in June 2004.

KEY ACADEMIC PROJECT & TRAINING

“Proteomics analysis of Glioblastoma multiformae and correlation with Radiology for SVZ involvement and Survival prediction” [M.Sc. Dissertation]

Guide: Prof. Sanjeeva Srivastava

[May’12 – ongoing]

- **Proteomic** investigation of **GBM (Grade IV Brain tumour)** serum samples on the basis of **Sub-Ventricular Zone (SVZ)** involvement and correlation with radiological data for survival prediction
- **High-throughput techniques** 2DE, DIGE, Protein Microarray, RT-PCR, MALDI TOF/TOF along-with **Biomedical data** like MRI, Immunohistological analysis and **Radiology training at ACTREC**, Mumbai
- **Early prognosis** of the disease for better therapeutic treatment and **biomarker** discovery

Rural Agricultural Work Experience (RAWE) Internship

[Feb’ 2011- June’ 2011]

- Surveyed the **Agricultural & Horticultural aspects** of Village Dhaulagiri, Cooch Behar (W.B)
- Provided valuable information to the **farmers** about Krishi Vigayan Kendra (KVK), Farmer Fair, and use of High Yielding Varieties, Disease & Pest Management, etc with the help of **20 faculties of 10 departments of the university**
- **Three months Hands on Training on Bio-control Agents** (*Trichoderma sp.* & *Pseudomonas sp.*) Isolation, Production, Multiplication and Marketing under **ICAR** scheme

SCHOLASTICS ACHIEVEMENTS

- Achieved **Overall Second position** in the Graduation [2007-2011]
- Secured **All India Rank 12** in AIEEA-JRF conducted by Indian Council of Agriculture and Selected in IARI, New Delhi for M.Sc. in Plant Biotechnology [2011]
- Secured **All India Rank 67** in IIT JAM (Biotechnology) [2011]
- Qualified **CSIR-UGC –NET (JRF)** in Life Science paper with **All India Rank -107** [2012]
- Selected for full paid **Summer Internship in Centre for Cellular & Molecular Biology (CCMB)** among the 50 students from all over India [May’2012]

SCHOLARSHIPS & AWARDS

- Awarded **Certificate of Honour** for Meritorious performance in ICAR-JRF & JNU CEE by **Vice –Chancellor of the University** [2011]
- Awarded **Department of Biotechnology (DBT) Scholarship** for M.Sc. Biotechnology at IIT Bombay [2011-2013]

- Awarded **National Talent Scholarship (NTS)** from ICAR for B.Sc. (Hons.) Agriculture [2007-2011]

POSITION OF RESPONSIBILITY

Department Placement Coordinator, Biosciences & Bioengineering, IIT Bombay [July'12- Present]

Coordinated with a Core team of 90 members for the placements of over 1400 students in more than 450+ companies

- Conducted **preparatory activities** like Buddy Talks, GDs & PI, Resume making Workshop, Aptitude Test, Technical & Non-Technical Test and **coordinated with the companies** to ensure better placement
- Initiated **Volunteered involvement** of the Department students to work as a team for the DPC to ensure quality placement and **pitch for the core companies** with help of **Alumni** of our department

Student Coordinator, TechConnect, Techfest, IIT Bombay

[Oct'12-Jan'13]

Led a three tier team of 3 Coordinators, 4 Organisers and 50 lab volunteers for showcasing the recent research and development of Biosciences and Bioengineering department through Asia biggest technology collegiate festival

- Identified **industry oriented research and technology** and **exhibited** through various demonstrations, posters, videos, simulations and models involving **12 labs** of the department.
- Initiated interactive **Bioquiz** to target **5000 + visitors** during **3 days** festival
- Achieved great success and appreciated by Dean IRCC, IIT Bombay

Class Representative, M.Sc. Biotechnology

[Aug'11-June'12]

- Ensured good academic and conducive environment particularly in the laboratory

SKILL SET

- **Instruments:** MALDI TOF/TOF, Protein Microarray, LC-MS/MS, Magnetic Resonance Imaging, Circular Dichroism, Spectrophotometer
- **Techniques:** Differential Gel Electrophoresis (DIGE), Two –Dimensional Electrophoresis (2-DE), **Real Time PCR (RT-PCR)**, Western Blotting, ELISA, **Gene Cloning**, Chromatography, **Plant Tissue Culture**, **Protein Crystallography**
- **Statistical:** Correlation & Regression Analysis, ANOVA, Test of Significance, Measure of Central Tendency & Dispersion, Sample Survey, Distribution analysis (Binomial, Poisson & Normal)
- **Bioinformatics:** BLAST, CLUSTAL W, Hidden Markov Model (HMM), Pymol, Database Search (Gene spring, Mascot, PDB, NCBI, ExPASy, etc)
- **Image Analysis Software :** Adobe photoshop, IMP7, DeCyder, Image Quant
- **Operating System:** WINDOW, Macintosh, Ubuntu
- **Relevant Courses:** Fundamental of Statistics I & II, Entrepreneurship Development, Comprehension & Communication Skill in English, Mathematics for Biologist
- **Lab:** Analytical Biochemistry, Biophysics, Microbiology, Genetic Engineering, Bioinformatics
- **Certificate Course:**
- **Diploma in Computer Application** [6 months]
- **Writing in the Sciences** from **Stanford University** [8 weeks online course]
- **Intellectual Property Right** from World Intellectual Property Organisation (**WIPO**), Geneva

[Sept'12-Nov' 12]

EXTRA CURRICULAR ACTIVITIES

- Attended **Workshop on the Entrepreneurship and Iluminate (Pre-Eureka B plan competition)** by School of Management & E-cell, IIT Bombay
- Completed **“B” Certificate in NCC** from MER –NCC, Maharashtra
- Attended **10 days Annual Training Camp (ATC)** of NCC at IIT Bombay
- Learned **JUDO (Yellow Belt)** at IIT Bombay

Language Known:

- English (Fluent), Hindi (Native, Verbal), Bengali (Verbal)

Hobbies:

- Playing Lawn Tennis, Squash & Participated in various Cultural activities like Dramatics, Fine Arts
- Active Member of different Clubs of IIT Bombay: E-Cell, SARC (Alumni), Rang (Fine Arts), Lit Club