

SUMIT KUMAR RAI (M. Tech Biomedical Engineering)
 ASSISTANT PROFESSOR
 G.B. PANT ENGINEERING COLLEGE

EDUCATIONAL QUALIFICATION:

Degree /certificate	Board/ University
M.Tech (Biomedical Engg.)	Jadavpur University,Kolkata.
B.Tech (Biotechnology)	Allahabad Agriculture Institute Deemed University,Allahabad

RESEARCH WORK:

Postgraduate

Jadavpur University Kolkata From Jun 2010- Oct 2011.	Topic for the project is “ <i>Synthesis and Characterization of polyvinyl alcohol hydrogel using different cross linker</i> ”. Hydrogel is prepared and characterized by studying swelling property, ATR-FTIR, TGA, DSE. For Biocompatibility MTT assay, Haemocompatibilty etc, under the guidance of Dr. Piyali Basak. Characterization of the polymer is being done at Material science Centre, IIT Kharagpur, under the guidance of Prof. Basudam Adhikari.
Indian Institute of Technology Kharagpur. From Nov 2010-May 2011.	

Under graduate

Bioinformatics Department, AAIDU From Jan 2005-Jun 2005	Topic for the project is “ <i>Structure Predication and Validation of D N A gyrase in Streptococcus pneumoniae</i> ”, under the guidance of Mr.Satyendra Singh.
--	---

TRAINING PROGRAM ATTENDED

Biotechnology Park Biotechnology city Lucknow (U.P) From 1st June to 30 Jun. 2008	Topic for the project is “ <i>Extraction of bio-active molecules/fraction from economically important Medicinal and Aromatic Plant</i> ”.
IBI BIOSOLUTIONS Private Ltd Panchkula Haryana From 1st Jun. to 30 Jun. 2007	Topic for the project is “ <i>In Silico Modeling and Docking Analysis of Avian Influenza Virus Protein Neuraminidase</i> ”.
MOHAN MEAKIN Ltd.	Topic for the project is “ <i>Fermentation, Effluent Treatment</i> ”.

Dali Ganj Lucknow (U.P) From 20th Jun. to 20th Jul. 2006	<i>Plant, Water Treatment Plant, Distillation and Central lab. Work”.</i>
--	---

SEMINAR AND CONFERENCE:

- A paper on “*Synthesis and Characterization of Polyvinyl Alcohol Hydrogel using different Cross-linkers*” accepted for poster presentation in International Conference on Systems in Medicine and Biology, Indian Institute of Technology (Kharagpur) and IEEE Kharagpur section. 16th to 18th December, 2010.
- 17 ANNUAL Convention of Society Of Pharmacognosy And International Symposium On Frontiers’ In Herbal Cosmetics And Nutraceuticals”, February 23-24,2013,Dehradun
- “ Biologik’ 13,Natonal Symposium On Role Of Biotechnology In Infectious Diseases”, 7th &8th March,2013,Dehradun
- A Short Term Course On “ECO- Technology For Sustainable Development ”,Oct 21-25,2013,GBPEC,PAURI,UTTARAKHAND.
- National Seminar On “Biomedical Engineering Research And Its Application: Present Day Scenario And The Future”, July 29-30,2011,Kalyani,WB



AREA OF INTEREST:

- ❖ Biomaterials
- ❖ Bioinformatics
- ❖ Tissue Engg.
- ❖ Drug Delivery Systems.

Email: sumitbiotechim@gmail.com

Phone: +91-9936886569, 9415321021