

Curriculum Vitae

Personal

Name : Dr. Manish Kumar Gupta
Father's Name : Dudha Nath Prasad
Mother's Name : Sushila Devi
Date of birth : 2nd May 1979
Nationality : Indian
Marital status : Married
Sex : Male
Address : Department of Bioinformatics, University Institute of Engineering
Technology, Chhatrapati Shahu Ji Maharaj, University Kanpur, U.P, -
208024, India
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Current Status:

Assistant Professor - Department of Bioinformatics, University Institute of Engineering and Technology, Chhatrapati Shahu Ji Maharaj University, Kanpur since 6th August 2005.

Education:

1. **Ph.D. in Bioinformatics** (2015) on title “**In Silico Drug Designing for Modulation in Human Metabolic Pathways Due to Autoimmune Disorders Associated with Thyroid as Target, Based on Systems Biology**” in Faculty of Engineering and Technology, Dr. APJ Abdul Kalam Technical University, Lucknow, UP, India, Under Supervision of **Prof. Krishna Misra**, senior scientist National Academy of Sciences Allahabad, and Hon. Prof. Indian Institute of Information Technology Allahabad and Centre of Bio-Medical Research, Lucknow, UP, India.
2. **Master of Technology in IT (Spl. In Bioinformatics)** 2003-2005, Indian Institute of Information Technology-Allahabad, Uttar Pradesh, India (Rated as Institute with ‘centre for excellence’) (8.95/10 CGPI)
3. **Master of Science (Biotechnology)** 2001-2003, University of Hyderabad, Telangana, India, (Rated as University with 'Potential for Excellence') (64.75%)
4. **Bachelors of Science** (Chemistry, Zoology, Botany) 1996-1999, DDU Gorakhpur University, Gorakhpur, Uttar Pradesh, India (64.50%)
5. **Intermediate** - U.P. Board, India (72.2%)
6. **High School**- U.P. Board, India (61.3%)

Academic Achievements/honour:

1. Qualified joint **CSIR-UGC** Junior Research fellowship (**JRF**) in Life Sciences and eligibility for lectureship – National Eligibility Test (**NET**) held on June 2003.
2. Qualified Graduate Aptitude Test in Engineering (**GATE**) with 97.42% in 2003.
3. **3rd rank** in Biotechnology programme in University of Hyderabad (Central University), India (A highly competitive national exam)
4. **Fellowship** by Department of Biotechnology, Govt. of India (2001-2003) to support M.Sc.-Biotechnology programme and master thesis project.
5. **Scholarship** by Ministry of Human Resource and Development, Govt. of India to support M.Tech –Bioinformatics and master thesis project.

Research Programme/Project:

Indian Council of Medical Research (**ICMR**), New Delhi has awarded SRF to Mr. Nihal Ahmad Khan on title “**Molecular Modeling and in Vitro Evaluation Studies on Some Novel Active Plants Terpenoids and their Derivatives for Immunomodulatory and Anticancer Activities**” for a period of three year under my supervision (Letter No BIC/11(37)2014) IRIS ID: 2014-26190 Under Extramural Research Programme.

List of Publications: (http://scholar.google.co.in/citations?user=d4_y4AAAAAJ)

Research Article:

1. Sagar M, Pathak RK, Pandey RK, Singh DB, Pandey N, **Gupta MK (2014)** Binding affinity analysis and ADMET prediction of epigallocatechine gallate (EGCG) derivatives for AP-1 protein: a drug target for liver cancer. *Network Modeling Analysis in Health Informatics and Bioinformatics* 3:66 (ISSN: 2192-6662; Online ISSN: 2192-6670)
2. **Gupta MK**, Misra K (2014) Atom based 3D-QSAR, molecular docking and molecular dynamics simulation assessment of inhibitors for thyroid hormone receptor α and β . *Journal of Molecular Modeling* 20:2286 (Print ISSN:1610-2940; Online ISSN:0948-5023)
3. **Gupta MK**, Singh DB, Shukla R, Misra K (2013) Comprehensive metabolic modeling of thyroid pathway.in relation to thyroid pathophysiology and therapeutics. *OMICS: A Journal of Integrative Biology*. 17(11):584-593 (Print ISSN: 1536-2310 Online ISSN: 1557-8100)
4. Singh DB, **Gupta MK**, Singh DV, Singh SK, Misra K (2013) Docking and In silico ADMET studies of noraristeromycin, curcumin and their derivatives with Plasmodium falciparum SAH hydrolase: A molecular drug target against malaria. *Interdisciplinary Sciences: Computational Life Sciences*. 5:1-12 (ISSN: 1913-2751; Online ISSN 1867-1462)
5. Singh DB, **Gupta MK**, Misra K (2013) Comparative Docking and ADMET Study of Some Curcumin Derivatives and Herbal Congeners Targeting beta-Amyloid. *Journal of Network Modeling Analysis in Health Informatics and Bioinformatics*. 2(1):13-27 (ISSN: 2192-6662; Online ISSN: 2192-6670)
6. **Gupta MK**, Misra K, (2013) Modeling and Simulation Analysis of Propylthiouracil (PTU), an Anti-thyroid drug on Thyroid Peroxidase (TPO), Thyroid Stimulating Hormone Receptor (TSHR) and Sodium Iodide Symporter (NIS) based on Systems Biology Approach. *Journal of Network Modeling Analysis in Health Informatics and Bioinformatics*. 2(1): 45-27 (ISSN: 2192-6662; Online ISSN: 2192-6670)
7. **Gupta MK**, Agarwal K, Prakash N, Singh DV, Misra K (2012) Prediction of miRNA in HIV-1 genome and its targets through artificial neural network: a bioinformatics approach. *Journal of*

Network Modeling Analysis in Health Informatics and Bioinformatics. 1(4):141-151 (ISSN: 2192-6662; Online ISSN: 2192-6670)

8. **Gupta MK**, Singh DB, Misra K (2012) Metabolic Modeling and Simulation Analysis of Thyroid Disorder Pathways. J Comput Sci Syst Biol. 5(2):52-61 doi:10.4172/jcsb.1000090 (ISSN: 0974 -7230)
9. Gupta SK, Singh S, **Gupta MK**, Pant KK, Seth PK (2010) Definition of Potential Targets in *Mycoplasma Pneumoniae* Through Subtractive Genome Analysis. J Antivir & Antiretrovir 2: 038-041 (ISSN: 1948-5964)
10. Singh S, Gupta SK, Sabir G, **Gupta MK**, Seth PK (2009) A database for anti-diabetic plants with clinical / experimental trials. Bioinformation. 31;4(6):263-268 (Online ISSN 0973-2063; Print ISSN 0973-8894)

Review Article:

1. **Gupta MK**, Misra K, (2016) A holistic approach for integration of biological systems and usage in drug discovery. Journal of Network Modeling Analysis in Health Informatics and Bioinformatics 5(1): Article 4. (DOI: 10.1007/s13721-015-0111-4) (ISSN: 2192-6662; Online ISSN: 2192-6670)
2. Singh DB, **Gupta MK**, Kesharwani A, Kumar R, Sagar M, Dwivedi S, Misra K (2014) Molecular drug targets and therapies for Alzheimer's disease. Translational Neuroscience 5(3): 203-17 (Print ISSN:2081-3856 Online ISSN:2081-6936)

Abstract/Poster/Conference:

1. Poster on "Metabolic Modeling of Autoimmune Skin Disorder Targeting Psoriasis Through Systems Biology Approach, OSCAT -2012, 2nd **International Conference on "Open Source for Computer – Aided Translational medicine from 22nd to 25th February 2012** Organized by OSDD at Institute of Microbial Technology (CSIR), Chandigarh, India.
2. Abstract "Color removal of Textiles dyes By Crude Enzyme Extract, From Spent Substrate of Oyster Mushroom *Pleurotus florida* PF05" at 51st annual conference association of microbiologists of India (AMI) **December 14-17, 2010**, "International Symposium on Recent Advances in Cross-Disciplinary Microbiology: Avenue & Challenges & International Workshop on rRNA Sequencing , Phylogeny & Next Generation Genome Sequencing" Organized by association of microbiologists of India, Ranchi Unit, Birla Institute of Technology, Mesra, Ranchi, India, Central University of Jharkhand, Ranchi , India, Birsa Agricultural University, Ranchi India.
3. International conference on Applied bioengineering organized by Sathyabama University, Chennai in association with national institute of Ocean technology government of India, Chennai held on **5-7 December, 2007**
4. Abstract "Phylogenetic analysis of HIV-1 envelope glycoprotein in Asian countries" in international conference on Bioinformatics 2007 presented by Asia Pacific Bioinformatics Network.
5. Abstract "Insilico: Protein Structure Prediction of Mannose binding lectin protein in *Convolvulus arvensis* Through Homology modeling" in International conference on Bioinformatics 2007(INCOB2007) presented by Asia Pacific Bioinformatics Network.

Seminar/Symposium/Conferences Attended:

1. Seminar on “Abhiyaan AIDS Se Bachaw” Organized by University Institute of Paramedical Sciences, CSJM University Kanpur and Swasth Kanpur Pariyojana on **29th November 2011**.
2. Workshop On “Computational Methods in Physical, Geological Modelling and Drug Designing” **29th September to 1st October 2011** Organized by National Centre of Experimental Mineralogy and Petrology, University of Allahabad & The National Academy of Sciences India, (Allahabad Chapter), Allahabad.
3. A national conference on “Scope and Application of Microbes in Agriculture & Environment” held on 19-21 Feb-2007 at Institute of Biosciences and Biotechnology, CSJM University, Kanpur, India.
4. Workshop on "Medicinal Plants and Environment "Organized by Environmental Protection Society, Gorakhpur, U.P India, held in March 1997.

Refresher /Orientation/short Term course:

1. **Two-week Faculty Development program** sponsored by Deptt. of Science & Technology, Govt of India, New Delhi on “Entrepreneurship Development” organized by Centre for Industrial and Management Consultants, Kanpur at Institute of Hotel and Tourism Management, CSJM University Kanpur during 28th March 2015 to 10th April 2015.
2. **UGC Sponsored four-week Refresher course in Biotechnology** organised during 28 July to 22 August 2014 (26 Days) at academic college staff, **Jawaharlal Nehru University, New Delhi**.
3. One-week short term courses titled Faculty Development Program on “**Intellectual Property Rights**” organized by IIT-Delhi, during 6-10 July 2009 under the sponsorship of **Quality Improvement Programme**, AICTE, Govt of India.
4. One-week short term courses on “**IPRs for Pharmaceutical Sector and Patent System in India**” at National Institute of Technical Teachers' Training and Research, Chandigarh **26-30 July 2010, National Level**.
5. Eight Week (2 month) Certificate course in “Office Automation” from Swami Vivekanand Institute of Information Technology, Gorakhpur during 6th May to 6th July, 2002.

Editor member and Reviewer of Journal:

1. International Journal of Wellness (Associate Editor) (http://www.ijw.co.in/editorial_board.php)
2. Network Modeling Analysis in Health Informatics and Bioinformatics (Springer - Reviewer)
3. Journal of Computational Life Science (Springer Reviewer)
4. Journal of Biomedical informatics (Elsevier - Reviewer)

Academic Experience:

1. Organised a seminar as **Convener** entitled “**Many Dimensions of Indian Atomic Energy Programme**” and Exhibition on “**BARC Technologies**” in association with **Bhabha Atomic Research Centre, Mumbai** on **25th February 2015**, at University Institute of Engineering and Technology, Chhatrapati Shahu Ji Maharaj University, Kanpur, UP.
2. Worked as **Convener** of Souvenir & Abstract Book Committee in “**Wellness Con – 2014**” **National Conference on Wellness**, held at Chhatrapati Shahu Ji Maharaj University, Kanpur, UP on 14th & 15th November 2014.
3. Organised a Seminar entitled “**Sustainable Science and Technology for Society**” as **Convener** on National Education Day, **11th November 2014**, at University Institute of Engineering and Technology, Chhatrapati Shahu Ji Maharaj University, Kanpur, UP.

4. Worked as Executive committee member **2nd National conference** of Society for promotion of Libraries on “Libraries Towards Digital Paradigm” **19-20 April 2014** organised by Department of Library and Information Science, Chhatrapati Shahu Ji Maharaj University Kanpur
5. Worked as active of member “**Youth Conclave (Success Mantra) and Job fair**” organised by University Placement Cell on 17-18 Mar 2012, at Chhatrapati Shahu Ji Maharaj University Kanpur.
6. Organised Seminar on “**Recent Trends in Biosciences and Biotechnology**” on National Education Day, 11th November 2011, University Institute of Engineering and Technology, CSJM University, Kanpur as an **Organizing Secretary**.
7. **Chaired** a Scientific Session in **National Conference on “Metabolomics, Transcriptomics and Proteomics”** held from 29 to 30 January 2011 at Shruti Auditorium, SGPGIMS, Lucknow organised by BCS – In Silico Biology, Lucknow
8. Worked as **Executive member** in the National Workshop on “**Current Trends in Computing and Bioinformatics**” Held on 23 and 24th Feb 2007 jointly organised by Department of Bioinformatics and Computer Science and Engineering at University Institute of Engineering and Technology, CSJM University Kanpur.
9. Organised Seminar on “**Education System in India: Introspection**” to celebrate National Education Day, 11th November, 2009 at University Institute of Engineering and Technology, CSJM University Kanpur.
10. **Invited speakers for delivering lectures** on Bioinformatics Aspects in Various National Workshops/Seminars at NPL New Delhi, Dr. Harisingh Gour University, Sagar, M.P., Biotek Park, Lucknow, and Narendra Dev Agricultural Technical University Faizabad, U.P., GB Pant Nagar Agricultural and Technical University, Pantnagar, Uttarakhand.
11. Supervised more than 50 students of M.Sc.-Bioinformatics for their M.Sc. Project work.

Administrative Experiences:

1. Member of CSJM University **Proctorial Board** since 2015 academic session
2. Working as **Incharge -Placement Cell**, University Institute of Engineering and Technology, Chhatrapati Shahu Ji Maharaj University, Kanpur since July 2014
3. Presently working as member of **CSJM University Proctorial Board**
4. Worked as **Counselling Centre Representative** of Joint Entrance Examination - B.Ed.-2012 conducted by DRMLA University, Faizabad, U.P
5. Worked as **Centre Observer** in JEE- B.Ed.-2012 conducted by DRMLA University, Faizabad
6. Active Member of **University Placement Cell**, CSJM University, Kanpur since February- 2012
7. Member of **Board of Studies**, Department of Bioinformatics, C. S. J. M. University, Kanpur.
8. Worked as **Assistant Centre Superintendent** in University Entrance Examination conducted by CSJM University, Kanpur in 2011
9. Worked as **Centre Observer** in JEE- B.Ed.-2011 conducted by MJPR University Bareilly, U.P
10. Worked as **Counselling Centre Representative** in JEE-B.Ed.-, 2007, 2008, 2010, 2014 conducted by CSJMU University Kanpur, Bheem Rao Ambedkar University, Agra and Lucknow University, Bundelkhand University, U.P., Respectively
11. Worked as **Centre Representative** in Entrance Examination of JEE-B.Ed.-2010 conducted by Lucknow University, U.P
12. Worked as **Internal Centre observer** in Combined Pre Medical Test 2010 conducted by CSJM University Kanpur, U.P
13. Worked as CSJM University Representative for exploration of University courses in “Hindustan Education Fair”, 16-17 May 2009 in Kanpur.
14. Worked as **centre in charge** for Conducting MBA/BBA Entrance Examination 2008
15. Worked as Member of Advisory Committee of “TECHMART 2008” a technical event organised by UIET, CSJM University Kanpur

16. Member of Placement committee, cultural committee and anti-ragging committee at UIET, CSJM University, Kanpur, India (2008-09, 09-10).
17. Procurement and establishment of Bioinformatics Laboratory at Department of Bioinformatics, University Institute of Engineering and Technology, CSJM University Kanpur

Membership of Professional Bodies:

1. Life member of **Indian Science Congress Association** (membership No. L16550)
2. Life Member of Bioinformatics.org
3. Member Secretary, Institutional Ethics Committee, CSJM University Kanpur (http://kanpuruniversity.org/pdf/standard_150916.pdf)

Teaching Experience:

Position Held	Department	Organization	Period		Total Teaching Experience	Total Research Experience
			From	To		
Assistant Professor	Bioinformatics	CSJM, University Kanpur, U.P	August 2005	Till date	Eleven Year two months	Eleven Year two months

Courses/Subjects Taught:

1. **Pre-Ph.D. course work** – Quantitative Methods and Computer Application
2. **M.Sc.–Bioinformatics & Advanced P.G. Diploma in Bioinformatics**
(1) Computational Biology (2) Biological database and databanks (3) Introduction to database and database Programming for Bioinformatics (4) Introduction to Computing (5) Molecular Cell Biology
3. **M.Sc.-Biotechnology & M.Sc. - Life Sciences**
Bioinformatics
4. **B.Tech. - Computer Science and Engineering**
Bioinformatics concepts: A Computer Science perspective.
5. **Bachelor of Computer Application (BCA)**
Programming Principle and Algorithm (BCA 102)

Invited lectures in various national conference/Seminars/Workshops

S.No.	Name of the programme Workshop/Seminar/Conference	Date	Place
1.	Workshop on “In-Silico Strategies for Disease Pathway Analysis & Biomarker Discovery”	March 29 – 31, 2016	Biotech Park Lucknow ,U.P India
2.	National Training Programme on "Bioinformatics and System Biology Approaches for Agriculture and Veterinary Applications"	September 13-15, 2014	Bioinformatics Sub DIC, Department of Molecular Biology & Genetic Engineering, College of Basic Sciences & Humanities, G. B. Pant University of Agriculture & Technology, Pantnagar-263145, Uttarakhand
3.	National Conference on “Biomedical Science and Technology”	November 21-22 , 2013	CSIR-National Physical Laboratory, New Delhi
4.	National Workshop on “Basic Concepts of Bioinformatics and Bioinformatics Softwares	Feb 9, 2013	National Bioinformatics Infrastructure Facility Centre of DBT ,D.G.(P.G.) College, Kanpur, Affiliated to CSJM University Kanpur
5.	National Seminar on Science for shaping the future of India	October 1-2, 2012	Dr. Harisingh Gour University (Central University), Sagar , M.P., India organised by Indian Science Congress Association Sagar chapter, Sagar
6.	Drug Discovery, Design Methods & Applications	September 11-13, 2012	Biotech Park, Lucknow, U.P. India (promoted by Deptt. Of Biotechnology, Govt. Of India, and Deptt. Of Science and Technology, Govt. Of U.P.
7.	Chemoinformatics and Computational Drug Design	February 27 – 29, 2012	Biotech Park Lucknow ,U.P India
8.	Recent Advances in Structure-based Rational Drug Designing	October 12 – 14, 2011	Biotech Park, Lucknow, U.P. India (promoted by Deptt. Of Biotechnology, Govt. Of India, and Deptt. Of Science and Technology, Govt. Of U.P.
9.	National Workshop on“Bioinformatics: Tools in Sequencing & Drug Targeting”	3rd-5th Oct, 2011	National Bioinformatics Infrastructure Facility Centre of DBT ,D.G.(P.G.) College, Kanpur, Affiliated to CSJM University Kanpur
10.	National Workshop on “Bioinformatics: In-Silico aspects of Drug Designing	June 23-25, 2011	Biotech Park , Lucknow , U.P. India
11.	National Workshop on “Structural Biology and Bioinformatics in Drug Design”	October 6 – 8, 2010	Biotech Park Lucknow ,U.P India
12.	National Workshop on “Bioinformatics and Molecular Modeling in Drug Design”	June 23 –25, 2010	Biotech Park Lucknow ,U.P India
13.	National Workshop on “Drug Design Approaches: Molecular Modeling, Computational Chemistry and RNAi applications”	February 23-25, 2010	Biotech Park Lucknow ,U.P India
14.	National Workshop on “Role of Chemoinformatics, Pharmacoinformatics & Bioinformatics in Rational Drug Designing”	October 8-10, 2009	Biotech Park, Lucknow ,U.P India
15.	Workshop on “Bioinformatics: Application and Current Approaches”	June 10-12, 2009	Biotech Park, Lucknow ,U.P India
16.	Workshop on “ Bioinformatics and its Application in RNAi”	February 17-19,2009	Biotech Park, Lucknow ,U.P India

17.	Training program on “Introduction to bioinformatics with hands on internet browsing and data searching”	January 9-10, 2009	N.D University of Agriculture & Technology, Kumarganj, Faizabad, U.P., India
18.	Workshop on “Bioinformatics in Molecular Modeling, Data Analysis and System Biology ”	August 8-9, 2008	Biotech Park, Lucknow ,U.P India
19.	Workshop on “Computational Tools and Databases for Genomics & Proteomics ”	May 27-29,2008	Biotech Park, Lucknow ,U.P India
20.	Workshop on “ Principle and Applications of Bioinformatics in Biotechnology”	December 10-11, 2007	Biotech Park, Lucknow ,U.P India
21.	Workshop on “Bioinformatics Applications in Genomics and Proteomics ”	September 13-15, 2007	Biotech Park, Lucknow ,U.P India
22.	Workshop on “Structural Bioinformatics ”	June 8-9, 2007	Biotech Park, Lucknow ,U.P India
23.	Workshop on “Bioinformatics Tools & their Application in Biological Research ”	February 15-17,2007	Biotech Park, Lucknow ,U.P India

Post Graduate Projects Under my supervision

M.Sc. – Bioinformatics Students

Current (Pursuing)

03

2016 (Submitted)

1. Vaishali Mishra
2. Shilpa Chauhan

2013 (Awarded)

3. Protein Modeling, docking and molecular dynamics simulation of HLA-DR β 3 (**Sanjay Kumar**)
4. Docking study of simulators for stem cell proliferation (**Shubhra Dubey**)

2012 (Awarded)

5. Metabolic Modeling and Topological Analysis of Hypothalamus Pituitary Thyroid axis (**Rohit Shukla**)
6. Biochemical and Homology Modeling of HLADRB3 through Systems Biology Approach (**Shivangi Singh Parihar**)
7. Docking studies of Inhibitors for Thyroid Hormone Receptors (**Shikha Agnihotri**)
8. Computational Analysis of hormones Related to Thyroid Function (**Namrata Nigam**)
9. A novel proposed algorithm for prediction of immunostimulatoryRNA (**Durgesh Upadhay**)
10. Database Development for Human Hormones (**Swati Srivastva**)
11. In Silico vaccine Designing for Autoimmune thyroid disorder (**Krati Srivastava**)

12. Biological Network analysis of Homo Sapiens miRNA through Systems Biology approach
(**Swati Srivastva**)
13. Computational modelling and simulation analysis for thyroid cancer progression pathways
(**Chandramani**)

2011(Awarded)

14. Biochemical modeling and Simulation Analysis for Thyroid Disorder(**Anupam Chakraborty**)
15. InSilico Vaccine designing for autoimmune Hyperthyroidism (**Anupama Singh**)
16. Phylogenetic Analysis of Thyroid Stimulating Hormone receptor and Autoantibody (**Apoorv Tiwari**)
17. High throughput Docking study for Thyroid Disorder (**Preetilekha Bharti**)
18. Homology Modeling and Docking analysis for New Delhi Metallo Beta Lactomase 1 protein
(**Shakti Kumar**)

2010 (Awarded)

19. Virtual screening and docking analysis for thyroid stimulating hormones receptor (**Anand Katiyar**)
20. Virtual screening and docking analysis with Autoantibody for thyroid disorder (**Neetesh**)
21. Biochemical Modeling and Thyroid Simulation Analysis for Thyroid Disorder (**Neha Rajora**)
22. Ligand based drug designing for Thyroid disease (**Hina Khan**)

2009 (Awarded)

23. Computational Analysis of Toll Like Receptor in Human and Their Interaction With isRNA
(**Aditi Gupta**)
24. Database development of diseases due to protein misfolding in *Homo sapiens* (**Deepak Singh**)
25. Insilico modelling of metabolic pathway of Autoimmune skin disease targeting Psoriasis through
26. System biology Approach (**Manisha Lalwani**)
27. miRNA –mRNA interaction network of KSHV and *Homo sapiens* for identification of miRNA target bases on Systems Biology Approach (**Meenakshi Verma**)
28. Computational analysis of SNP in 10 Kb region of Human Chromosomes 1 (**Pragya Chaturvedi**)
29. Computational designing of siRNA for Chikungunya virus(**Sukhdeep Kaur**)
30. Computational Modeling of the interaction of metabolites in *Homo sapiens* for non-communicable disease targeting breast cancer (**Swati Shukla**)
31. Phylogenetic analysis of mammal's miRNA and protein involved in translation repression(**Upendra Singh**)
32. Construction of metabolic pathway of autoimmune thyroid disease through metabolic modelling
(**Varsha Srivastva**)
33. Ligand based drug designing for thyroid stimulating hormone receptor of Homo Sapiens
(**Yashwant Vishwakarma**)

2008 (Awarded)

34. On-siRNA: A tool for designing effective siRNA (**Abhishek Shukla**)
35. Comparative Genome Analysis of *E.coli* k12 and *E coli* O157:H7 Using Biological Tools
(**Abdul Lateef**)
36. Functional Genomic Approach to predict the gene of *C elegans* (**Anurag Kumar Jaiswal**)
37. Identification of miRNA gene interaction network in viruses through system biology approach
(**Ashutosh Pathak**)

38. Phylogenetic Analysis of Proteins involved in Gene Silencing(**Gyandeep Yadav**)
39. Identification and Prediction of miRNA in viruses using Artificial Neural Networks (**Kavita Agarwal**)
40. Database on Retrovirus Information Resource (**Sakshi Issar**)
41. Database of Infectious Proteins of Micro-organism for Human (**Sanjay Kumar Singh**)
42. Database of Immunological Factor and Structure Resource (**Devendar Singh Bhadauria**)
43. Structure Prediction and Phylogenetic Analysis of E2 glycoprotein of Hepatitis C Virus of Indian Isolate for the development of an effective vaccine (**Kritika**)

2007 (Awarded)

44. In- Silico design of siRNA for Chikungunya virus (**Rasika Thaker**)
45. Computational Analysis of HIV -1 Reverse Transcriptase Inhibitors and Homology Modeling of HIV –p1 sequence (**Saurabh Shukla**)
46. Phylogenetic Analysis of Polyprotein of *Japanese encephalitis* virus in Asian country (**Chandan Kumar**)
47. Phylogenetic Analysis of Den-2 protein of Dengue virus (**Rajeev Rav**)
48. Comparative Analysis of Human & Mouse Chromosome-7 Using Biological Tools (**Priyanka Sachan**)
49. Computational Analysis of Topoisomerase-II Inhibitors (**Sanjeev Kumar**)
50. Computational Identification and Prediction of micro-RNA in Hepatitis D Virus (**Abhishek Gupta**)
51. Rational design of siRNA for Duck Hepatitis B Virus (**Chetna Udainia**)
52. Microarray Data Analysis of Lung Cancer using Principal Component Analysis (**Mohammad Fareed**)
53. Database Development of Coding and Non-Coding RNA of Viruses (**Priyanka Bajpai**)

2006 (Awarded)

54. Computational Analysis of Diauxic shift in Yeast from cDNA Microarray Data (**Ankur Srivastva**)
55. Computational Analysis of “alpha –synuclein” protein through protein drug interaction of Parkinson’s disease (**Akansha Srivastva**)
56. Database on protein misfolding disease caused in human body (**Sunil Kumar Gupta**)
57. Phylogenetic analysis of glycoprotein of HIV-1 in Asian countries (**Sarita Singh**)
58. A Biological Database Development for Fishes Using Active Server Page (**Uday Bhan Sharma**)
59. A database Development of Bt Toxins Using Active Server Page (**Deshdeepak Tripathi**)

Dr. Manish Kumar Gupta