

NAME	BHAWNA RATHI		
DESIGNATION	Assistant Professor – II		
EMAIL ID	brathi@amity.edu		
CONTACT NUMBER	9953840456		
RESEARCH INTERESTS			
EDUCATIONAL QUALIFICATIONS:			
Name of College / University	Degree	Year	
Gautam Budha Technical University, Lucknow (Research conducted SGPGIMS)	Ph.D	(2012)	
C.C.S University Campus, C.C.S University	M.Sc.	(2004)	
Meerut College, C.C.S University	B.Sc.	(2002)	
Title of Ph.D. thesis : “Study of Hepatitis E virus using Bioinformatics tools and techniques.”.			
EXPERIENCE (in chronological order)			
Designation	Type of post held (teaching/ research)	Name of the Institute	Year (From – To)
Research officer	Research and teaching	Sanjay Gandhi Postgraduate Institute of medical sciences, Lucknow	2006-2010
Research Associate	Research	Biotech Park, Lucknow	March 2006-September 2006
Research Intern	Research	CIMAP, Lucknow	2004-2006
No. of Ph.D. students supervised		Awarded: Nil Ongoing: (2)	
PUBLICATIONS (mention total no. here)		<ol style="list-style-type: none"> Uzma Khanam, Bk Malik, and Bhawna Rathi. IDENTIFICATION OF HUMAN CAMP DEPENDENT PROTEIN KINASE CATALYTIC SUBUNIT INHIBITORS. International Journal of Pharmaceutical Sciences and Research (IJPSR) August issue 2017 (accepted) Anukriti Verma, Nikita Goel, Vijaya Laxmi, Bhawna Rathi, Shivani Sharda. Elucidating Vital Drug Targets of Salmonella enterica utilizing the Bioinformatic Approach. Journal of Pharmaceutical Sciences and Research 8(2) 71-78. 2016 Uzma Khanam, Bk Malik, Puniti Mathur and Bhawna Rathi. Identification of Novel Inhibitors for mitogen activated protein kinase kinase 4 through virtual screening and molecular dynamics simulation techniques. International Journal of Pharmacy and Pharmaceutical Sciences. 8(7) 261-268. 2016 Anukriti Verma, Bhawna Rathi, Shivani Sharda. Identification of novel drug targets against 	

	<p>Campylobacter jejuni using metabolic network analysis. International Journal of Pharma and Bio Sciences. 7(2) 56-62.2016.</p> <p>5. Anukriti Verma, Bhawna Rathi, Shivani Sharda. Identification of novel inhibitors against potential targets of Campylobacter jejuni. International Journal of Pharmacy and Pharmaceutical Sciences. 8(2) 312-316. 2016</p> <p>6. Roy, P., Verma, A., Allen,T and Rathi, B. (2016) “ Biochemical and computational characterization of laccase involved in bioremediation”, International Journal of Pharma and Bio Sciences, ISSN 0975-6299, MS. No:8099.</p> <p>7. B. Rathi & A. N. Sarangi : Function assignment to Influenza B virus proteins using Support Vector Machine- A clue for vaccine development. <i>The Internet Journal of Genomics and Proteomics</i>. 2009 Volume 4 Number 2.</p> <p>8. Genome Subtraction for novel drug definition for Salmonella typhi Rathi B, Sarangi AN, Trivedi N. <i>Bioinformatics</i> . 4 (4) 143-150, 2009</p> <p>9. Mining the proteome of Haemophilus ducreyi for identification of potential drug targets. Sarangi AN, Gupta S, Trivedi N, Rathi B. <i>Open Bioinformatics Journal</i>. 4: 1-4, 2010.</p> <p>10. CD4+ T cell epitope mapping and HLA coverage analysis for proteins of human hepatitis E virus. <i>International Journal of Integrative biology</i>. Rathi B, Aggarwal R, Naik S. 9(2): 74-79, 2010.</p> <p>11. Identification & HLA distribution analysis of CD4+ epitope-based vaccine candidates for H1N1 Swine Influenza. Sarangi AN, Rathi B , Trivedi N, Gupta S. <i>Online Journal of Bioinformatics</i>. 11 (1): 47-58, 2010.</p>
<p>PATENTS (<i>total no.</i>)</p>	<p><i>Details: Nil</i></p>
<p>RESEARCH PROJECTS Completed: <i>Nil</i> Ongoing: (<i>1</i>)</p>	<p><i>Details: DBT Twinning programme for the NE titled “Association and Polymorphism of human leukocyte antigen (HLA) class II alleles in rheumatic heart disease patients of North East India” 2013-2016</i></p>
<p>AWARDS & HONOURS/ DISTINCTIONS</p>	<p>Department of Science & Technology Young scientist award to attend an international conference on Vaccines in USA in year 2011.</p> <p>DBT travel award to attend an International conference in Philadelphia USA on 22-24 November 2011.</p> <p>DBT travel award to attend an International conference in Germany on November 2016.</p>

MEMBERSHIP with Professional/
Academic bodies

Computer Society of India

Reviewer member for GENE Journal

Reviewer member for Clin Med Journal