

## STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE

Title	Dr	First Name	Parul	Last Name	Sharma	
Designation		Assistant Professor				
School/Dept.Name		Centre of Excellence in Pharmaceutical Sciences (CEPS)				
Address:		CEPS, Guru Gobind Singh Indraprastha University, Dwarka, Sector 16c, Delhi				
PhoneNo.	Office					
	Residence	(optional)				
	Mobile	(optional)				
Email	sharmaparul7373@gmail.com					
WebPage(if any)						
Subjects Taught	Molecular pharmacology, molecular modeling and drug design, bioinformatics					
Areas of Interest/ Specialization	Areas of Specialization: Molecular modeling and dynamics, peptide folding studies, computer aided drug design, systems biology approach to understand the pathogenesis of disease by studying protein-protein and gene-gene interaction networks					
Experience(in years)	Total	6 years				
	Industry	-				
	Teaching	6 Years				
	Research	6 Years				
Educational Qualifications	UG	B.Sc (H) Chemistry Jamia Millia Islamia, New Delhi				
	PG	M.Sc Bioinformatics Jamia Millia Islamia, New Delhi				
	Doctorate	PhD in Computational Biology/Bioinformatics Durban University of Technology, Durban, South Africa				
	Any other – Diploma in IPR	n/a				
Research Publications in Journals (last 5 years)	<ol style="list-style-type: none"> <li>1. Parvesh Singh, <b>Parul Sharma</b> and Krishna Bisetty, Comparative structural studies of T20 analogues using molecular dynamics, Computational and Theoretical Chemistry, 2011, 974, 122-132.</li> <li>2. <b>Parul Sharma</b>, Parvesh Singh, Krishna Bisetty and Juan J Perez, A computational study Resume: Dr Parul Sharma} of Neuromedin B, Computational and Theoretical chemistry, 2011, 971, 1-7.</li> <li>3. Parvesh Singh, <b>Parul Sharma</b>, Krishna Bisetty and Mohinder. P. Mahajan, Synthesis and docking studies of thiophene scaffolds in COX-2, Arkivoc, 2011, X, 55-70.</li> <li>4. <b>Parul Sharma</b>, Parvesh Singh, Krishna Bisetty, Alex Rodriguez and</li> </ol>					

	<p>Juan J Perez, Conformational space search of Neuromedin C using Replica Exchange Molecular Dynamics and Molecular dynamics, Journal of Peptide Science, 2011, 17, 174-183.</p> <p>5. Parvesh Singh, <b>Parul Sharma</b>, Krishna Bisetty and J. J. Perez, Molecular Dynamics simulations of Ac-3Aib-Cage-3Aib-NHMe, Molecular Simulations, 2010, 36 (13), 1035- 1044.</p> <p>6. <b>Parul Sharma</b>, Parvesh Singh, Krishna Bisetty, Francesc J. Corcho and Juan J Perez, Conformational profile of Bombesin assessed using different computational protocols, Journal of Molecular graphics and Modelling, 2010, 29, 581-590.</p> <p>7. Parvesh Singh, <b>Parul Sharma</b>, Krishna Bisetty and Mohinder P Mahajan, Cycloaddition reactions of cross conjugated enamines, Tetrahedron, 2009, 65, 8478-8485.</p>			
PapersPublishedinConferenceProceedings (last5years)	<p>1. Delivered a talk in the Conference on Atomistic Simulations of Biomolecules: towards a quantitative understanding of life machinery, 6-10th March 2017, ICTP, Trieste, Italy.</p>			
BooksAuthored/BookVolumeChapters	<p>1) <b>Parul Sharma</b>. Conformational Profile of Bombesin and its mammalian analogues. Lambert Academic Publishing, Germany. ISBN: 978-3-659-21982-5, 2012-10-01.</p> <p>2) <b>Parul Sharma</b>, Parvesh Singh, Krishna Bisetty and Juan J Perez. An assessment of the conformational profile of Neuromedin B using different computational procedures-in “Molecular dynamics”, In-Tech Open Access Publisher, Croatia. ISBN: 978-953-51- 0444-5, DOI: 10.5772/36431</p> <p>3) Parvesh Singh, <b>Parul Sharma</b> and Krishna Bisetty. Synthesis of sulfur heterocyclic scaffolds using hetero Diels-Alder approach and their docking studies- in “Recent Advances on the Theoretical calculations of Structure and Reactivity of New Heterocyclic Compounds”, Research Signpost, Kerala, India.</p>			
No.ofConferences	National	Attended		Organized
		7		2
	International	10		0
ResearchGuidance	Awarded	PG	M.Phil	Doctorate
		7		
	Undergoing	3		
ResearchProjects	Completed	-		
	Undergoing	-		
Awards&Distinctions	<ul style="list-style-type: none"> <li>September 2014- August 2017: Worked as Senior Demonstrator for a period of Three Years, Department of Biophysics, AIIMS, New Delhi, India.</li> <li>July 2012-July 2013: Worked as ICMR Research Associate.</li> <li>Jan 2012- July 2012: Scientist I in ICMR Funded Project at Department of Biophysics, AIIMS, New Delhi, India.</li> <li>July 2008-April 2011- Post Graduate Support Directorate (PGDS) award from Durban University of Technology and</li> </ul>			

	National Research Foundation (NRF) award for Doctoral Studies.
Administrative Assignments Handled	n/a
Association with Professional Bodies	n/a
Any other Achievements	<ul style="list-style-type: none"> <li>• April 2011-Featured as an emerging researcher in South Africa. Press release in the most circulating Newspapers (The Post and Mercury) and radio channels regarding my doctoral research.</li> <li>• Won the 'Best Oral Presentation Award in 42nd National Seminar on Crystallography (NSC 42), November 21-23, 2013</li> </ul>