NAME	Shivani Sharda	**Photograph**
DESIGNATION	Assistant Professor – II	
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RESEARCH INTERESTS		

EDUCATIONAL QUALIFICATIONS:

Name of College / University	Degree	Year
Heinrich – Heine Universitat, Dusseldorf, Germany (Research conducted Max Planck Institute for Bioanorganische Chemie)	**Ph.D. (*Magna cum Laude*)**	(**2010**)
Department of Biotechnology, Guru Nanak Dev University Campus, **Amrsitsar**	**M.Sc.**	(**2000)**
H.M.V College, **Guru Nanak Dev University, Amritsar**	**B.Sc.**	**(1998**)

Title of Ph.D. thesis : "Structural-functional reciprocal affiliations between the phytochrome two-component signal transduction system and intra-domain cross talk in Calothrix PCC 7601"

EXPERIENCE (in chronological order)

Designation	Type of post held (teaching/ research)	Name of the Institute	Year (From – To)
Research Associate	Research and teaching	International Centre for Genetic Engineering and Biotechnology, New Delhi	2007-2008
Research Scholar	Research	Max Planck Institute for Bioanorganische Chemie, Muelheim an der Ruhr, Germany	2003-2007
Research Assistant	Research	International Centre for Genetic Engineering and Biotechnology, New Delhi	2000-2002

No. of Ph.D. students supervised	Awarded: Nil Ongoing: (1)
PUBLICATIONS ***(mention total no. here)***	1. 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 2. Anukriti Verma, Bhawna Rathi, Shivani Sharda. Identification of novel drug targets against Campylobacter jejuni using metabolic network analysis. International Journal of Pharma and Bio Sciences. 7(2) 56-62.2016. 3. 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 4. **Sharda, S.,** Koay,M.S., Young-Jun, K., Engelhard,M., and Gärtner, W. (2009) A non hydrolysable ATP derivative

	generates a stable complex in a light inducible signal two-component system. **Journal of Biological Chemistry 2009,Vol. 284 (49) : 33999-34004** 5. Schwinté, P., **Sharda, S.**, Gärtner, W., and Siebert, F. (2009) The photoreactions of recombinant phytochrome CphA from the cyanobacterium Calothrix: A low-temperature UV-Vis and FTIR study. **Photochemsitry and Photobiology 2009, 85: 239-249.** 6. Murgida, D.H., v. Stetten, D., Hildebrandt, P., Schwinté, P., Siebert, F., **Sharda, S.,** Gärtner, W., and Mroginski, M.A. (2007) The chromophore structures of the Pr states in plant and bacterial phytochromes. **Biophys J. 2007 Oct 1; 93: 2410-17.** 7. **Sharda, S.,** Shah, R., and Gärtner, W. (2007) Domain interaction in cyanobacterial phytochromes as a prerequisite for spectral integrity. **Eur Biophys J. 2007 Sept; 36(7): 815-21.** 8. Quest, B., Hübschmann, T., **Sharda, S.**, Tandeau de Marsac, N., and Gärtner, W. (2007) Homologous expression of a bacterial phytochrome. The cyanobacterium Fremyella diplosiphon incorporates biliverdin as a genuine, functional chromophore. **FEBS J. 2007 Apr; 274(8):2088-98.** 9. Roy, P and Sharda, S (2014) "**Enzyme mediated bioremediation by laccases**" "Earth and Environment: Pollution and Prevention"National Conference on Earth and Environment: Pollution and Prevention, January 28-30, 2014, AES, Amity University Uttar Pradesh, Noida. 10. Sharda, S and Roy, P (2013),"**Metagenomics / metaproteomics in context with bioremediation and environmental restoration**". National conference on environmental pollution, soil health and sustainable agriculture, Jan 15-17,2013.
PATENTS ***(total no.)***	***Details: Nil***
RESEARCH PROJECTS Completed: ***Nil*** Ongoing: ***(1)***	Co-investigator in ASTIF, Amity University Project on Reactive arthritis, 2014.
AWARDS & HONOURS/ DISTINCTIONS	**Deutsche Forschungzentrum Scholarship, 2003**
MEMBERSHIP with Professional/ Academic bodies	Reviewer member for Macmillan Publishers