

MAJOR AWARDS AND HONORS

1. **5th Rank** in merit list of **Bihar Public Service Commission** Assistant Professor selections for Zoology subject. 2019. Patna Science College, Patna University.
2. **Travel Grant for Workshop:** International workshop organized by **WHO (World Health Organization)-TDR (tropical disease research)** entitled “Short Course on Immunology and Vaccinology” held at **Thammasat University, Bangkok, Thailand** on May 4-8th, 2009.
3. **Travel Grant for Poster Presentation:** International Conference entitled “Drug Design and Discovery for Developing Countries” organized by **ICS-UNIDO** (International Centre for Science and High Technology—United Nations Industrial Development Organization) at **Trieste, Italy** 3-5 July 2008.
4. **Travel Grant for Poster Presentation:** International conference organized by **Royal Society of Tropical Medicine and Hygiene** entitled “One hundred years of tropical medicine: Meeting the millennium development goals” held at **London, UK**, 13-15 September 2007.
5. First rank in **IIT Roorkee**, PhD candidate selection list 2004. Department of Biotechnology. Head of department then: Prof. G.S. Randhawa (ice cream genes scientist).
6. **CSIR**(Council of Scientific and Industrial Research) National Eligibility Test (**NET**) for lectureship and Junior Research Fellowship (**JRF**) 2003.
7. **Maharshi Dayanand Saraswati University gold medal** in Zoology for scoring maximum in all colleges of the University 2005.
8. **P. K. Saxena Memorial** for securing maximum marks in all departments of biology of college awarded by Old Boys Association 2003.
9. **Seth Kesari Singh Bapna Memorial** for securing maximum in all departments of science of college awarded by Old Boys Association 2003.
10. **Shrimati Parvati Bai and Shrimati Chanda Bai Memorial** for securing maximum marks in all departments of college awarded by Old Boys Association 2003.
11. **1st rank in M.Sc selection lists** of both Botany and Zoology subjects in Govt. College Kota.
12. **Gold medal in graduation** for securing maximum marks in all departments of **Seth Ramji Das Modi college**, Kota (2001) for both second year and first year.

LIST OF PUBLICATIONS

1. Krout D, Dahal RA, Premed AB, Tomlinson MJ, **Sharma B**, Foster JD, Boatang C, Cha JH, Can J, Zou MF, Boatang C, Newman AH, Lever JR, Vaughan RA and Henry LK. Oct **2017**. Inhibitor mechanisms in the S1 binding site of the dopamine transporter defined by multi-site molecular tethering of photoactive cocaine analogs. *Biochemical pharmacology*(Elsevier) 142:204-215. **Impact factor = 5.09** (2015). ISSN=0006-2952. UGC S.No. 14563. Google scholar citations = 2 (May 2019).
2. Krout D, Dahal RA, Pramod AB, **Sharma B**, Foster JD, Boatang C, Cha JH, Cao J, Zou MF, Newman AH, Lever JR, Vaughan RA and Henry LK. **Apr 2015**. Cocaine photo-affinity analogs bind in the S1 binding pocket of the dopamine transporter providing a mechanism for competitive inhibition of Dopamine uptake. *The FASEB Journal* 29, (768.7). **Impact factor = 5.595** (2018). ISSN=0892-6638 (print), 1530-6860 (online). UGC S.No. **29259**.
3. Pramod AB, Dahal RA, Krout D, **Sharma B**, Zou MF, Boatang C, Newman AH, Lever JR, Vaughan RA and Henry LK. **Apr 2015**. Use of in Silico docking and peptide mapping studies with the cocaine analog MFZ-2-24 to elucidate the dopamine transporter cocaine binding site. *The FASEB Journal* 29, (768.2). **Impact factor = 5.595** (2018). ISSN=0892-6638 (print), 1530-6860 (online). UGC S.No. **29259**.
4. Dahal RA, Pramod AB, **Sharma B**, Cha JH, Cao J, Boatang C., Lever JR, Newman AH, Foster JD, Henry LK and Vaughan RA. **Apr 2014**. Identification of the attachment site for the cocaine analog [¹²⁵I]JHC 2-48 on the dopamine transporter. 28, (803.7). *The FASEB Journal*. **Impact factor = 5.595** (2018). ISSN=0892-6638 (print), 1530-6860 (online). UGC S.No. **29259**.
5. Dahal RA, Pramod AB, **Sharma B. (Equal author)**, Krout D, Foster JD, Cha JH, Cao J, Newman AH, Lever JR, Vaughan RA, Henry LK Aug 2014. Computational and Biochemical Docking of the Irreversible Cocaine Analog RTI 82 Directly Demonstrates Ligand Positioning in the Dopamine Transporter Central Substrate Binding Site. *JBC* 289(43):29712-27 (**Cover page**). **Impact factor=4.010** (2017) ISI indexed. ISSN=0021-9258 (print), 1083-351X (online). UGC S.No. **21606**. Google scholar citations = 24 (May 2019).
6. **Sharma B.** and Jaiswal, M. K. Mar 2013. The P25 ookinete surface proteins: Homology modeling and phylogenetic relationships. *ISRN Comp. Bio.*(Hindawi publications, Egypt) Vol 2013, Article id 391018. ISSN: 2314-542. Google scholar citations = 2 (May 2019).
7. **Sharma, B.**, Ambedkar, R. D. and Saxena A. K. Mar 2009. A very large C-loop in EGF domain IV is characteristic of the P28 family of ookinete surface proteins. *J. Mol. Model.* (Springer Berlin, Heidelberg) 15(3):309-21. **Impact factor = 1.507** (2018 Bioxbio). ISSN=1610-2940. UGC serial no. **24697**. Google scholar citations = 3 (May 2019).
8. **Sharma, B.**, Jaiswal, M. K. and Saxena, A. K. Apr 2009. EGF domain II of protein Pb28 from Plasmodium berghei interacts with monoclonal transmission blocking antibody 13.1. *J. Mol. Model.* (Springer Berlin, Heidelberg),15(4):369-82. **Impact factor = 1.507** (2018 Bioxbio). ISSN=1610-2940. UGC serial no. **24697**. Google scholar citations = 4 (May 2019)
9. **Sharma, B.** Aug 2008. Structure and mechanism of a transmission blocking vaccine candidate protein Pfs25 from *P. falciparum*: A molecular modeling and docking study. *In Silico Biology*.