

1. Name of the Employee: Dr. Varun Singh
2. Email id: v.singh@nib.gov.in
3. Designation: Junior Scientist
4. Division/LAB: Blood Products Laboratory
5. Educational Qualification: M.Sc-Biochemistry, Jamia Hamdard



Ph.D- 'Antifertility Activity of H₂ Receptor blocker' Delhi Institute of Pharmaceutical Sciences & Research (DIPSAR), University of Delhi.

6. Year of Joining: 2014
7. Professional Experience: (20 Years & 6 months)

Experience of working in National Institute of Biologicals, NOIDA

Experience in the field of Quality Control testing of Biologicals and Bio-therapeutics About **06 years of experience** from December 2014 to till date in the area of Quality Control Testing and Regulatory Quality Management of Diagnostics, Therapeutics and Vaccines

Jr. Biochemist at Central Research Institute, Kasauli (Ministry of Health & FW, Govt. of India) from July 2012 – Dec 2014.

- Management of Quality control for manufacturing of Anti rabies & Anti snake venom serum and DPT vaccine production unit according to CGMP norms.
- Conducting lectures for post graduate students in the institute.
- Testing of water and raw material for CGMP vaccines facility at Central Instrumental and Analysis laboratory.
- Manufacturing of DPT in cGMP facility.
- Serotyping of *Salmonella* and *Escherichia coli* at National Salmonella and Escherichia coli serotyping centre which is the only reference centre for Sero typing of E. coli in India.
- Rabies Diagnostic Research at Research and Development Section.

Senior Research Fellow & lecturer in Delhi Institute of Pharmaceutical Science & Research, University of Delhi, (September 2008 - July 2012).

- Conducted Ph.D Reseaech.
- Conducted lectures for Diploma, Graduate and post graduate student of pharmacy.
- In-charge central instrumental lab.

Junior Biochemist in St. Stephen's Hospital, Tis Hazari, (April 2001 to August 2008)

- Responsible for ISO 9001 & NABL accreditation of Biochemistry lab.
- Conducting lectures for DMLT, BSc MLT, B.Sc, Nursing students.
- In-charged for Protein electrophoresis for multiple myeloma detection.

- Responsible for Quality Control & Management for Biochemistry, Immunology and protein Electrophoresis section.

8. Major Publications:

1. Singh V, Prasad JP, Madhu Y, Soni GR, Singh S, Kumar P et al., Study of twenty preparations of human albumin solution which failed in quality control testing due to elevated sodium content, a poor internal quality control at manufacturing unit. **Biologicals** 2016 Nov;44(6): 591-595.doi: 10.1016/j.biologicals.2016.09.001.
2. V. Singh, R. Thakur, Y. Kumar, N. Gupta, V.B. Vaish, S. Gupta. Prevalence of Salmonella. **Indian J Med Res** 1150, issue:1, pp 92-95. DOI: 10.4103/ijmr.IJMR_1798_17.
3. Agrawal S S, Singh V, Gullaiya S, Dubey V, Kumar A. Antifertility activity of methanolic bark extracts of *Aegle marmelos* in male wistar rats. **DARU Journal of Pharmaceutical Sciences, BioMed Central**, 20:94, doi: 10.1186/2008-2231-20-94.
4. V. Singh, R. Thakur, Y. Kumar, N. Gupta, V.B. Vaish, S. Gupta. Serogroup Distribution, Antibigram patterns & prevalence of ESBL production in *Escherichia coli*. **Indian J Med Res** 143, April 2016, pp 521-524. DOI:10.4103/0971-5916.184308.
5. Singh V, Prasad JP, Madhu Y, Mandan A, Garg P, Prakash A et al., Comparative study of two elisa kits for estimation of antibodies to hepatitis b virus in human normal immunoglobulin and specific immunoglobulin intended for intravenous or intramuscular use. **Indian J Clin Biochem**. 2017 Jun; 32(2): 243–245.
6. Agrawal S S, Gullaiya S, Dubey V, Singh V. Neurodegenerative shielding by Curcumin & its derivatives on brain lesions induced by 6- OHDA model of Parkinson's disease in Albino Wistar rats. **Cardiovascular Psychiatry and Neurology**. 2012 Article ID 942981, 1-8, doi:10.1155/2012/942981
7. Agrawal S S, Singh V, Gullaiya S, Dubey V, Kumar A. Modulation of disease related immune events by demethoxycurcumin against autoimmune arthritis in rats. **Biomedicine & Aging Pathology** Volume 3, Issue 1, January–March 2013, Pages 7-13.
8. Agrawal S S, Singh V, Gullaiya S, Dubey V, Kumar A Spasmolytic effect of novel antagonists of the adenosine A2 receptor in isolated guinea pig tracheal smooth muscle. **Biomedicine & Aging Pathology** Volume 3, Issue 1, January–March 2013, Pages 31-35.

9. Varun Singh, Ashok Kumar, Sumeet Gullaiya, Vishal Dubey, Ashish Nagar, Shyam S. Agrawal. Contraceptive activity of 4-(4-hydroxy-3-methyl-hex-5-enyl)-chroman-2,7-diol via inhibiting ovulation in Gonadotropin-primed immature rat model. **Biomedicine & Aging Pathology** Volume 4, Issue 1, January–March 2014, Pages 43-47
- 11 S. S. Agrawal, D. Vishal, G. Sumeet, C. Shekhar, N. Ashish, D. Parul, S. Ankita, Anu Prakash, Tanu Prakash, p. Kumar and S. Varun. Antifertility Activity of Ethanol Leaf Extract of Moringa oleifera Lam. in Female Wistar Rats. **Indian Journal of Pharmaceutical Sciences** 80(3):565, DOI: 10.4172/pharmaceutical-sciences.1000394
- 12 Charu arora, A. Prakash, J. P. Prasad, Y. Madhu, Sudha V. Gopinath, S. Singh, P. Kumar, Ankita Singh, A. Kumar and V. Singh. A Comparative Study of Various Compendial Biuret Methods for Estimation of Protein in Human Biologicals. **Indian Journal of Pharmaceutical Sciences** 80(5) DOI: 10.4172/pharmaceutical-sciences.1000442.
13. Agrawal S S, Gullaiya S, Dubey V, Singh V. Effect of Demethoxycurcumin on biochemical markers, oxidative stress and histopathological alterations in anthracyclin cardiotoxicity rat model. **Journal of Pharmacy Research**. 2012, 5(6), 3078-83.
14. Agrawal S S, Singh V, Gullaiya S, Dubey V, Nagar A. A preliminary study on the effects of petroleum ether and alcoholic bark extract of Anthocephaluscadamba (roxb) miq in acute and chronic in vivo inflammatory rat models. **International Research Journal of Pharmacy**. 2012; 3(2); 217-221.