

1. Name of the Employee: Mrs. Y. Madhu
2. Email id: emadhu@nib.gov.in
3. Designation: Scientist Grade III
4. Division/LAB: Blood Products Laboratory
5. Educational Qualification: M.Sc. Life Sciences with specialization in Biotechnology
6. Year of Joining: Feb.1996



#### **Professional Experience & Awards:**

- 25 years of experience in the area of Quality Control of Biologicals
- 2 years of research experience in Immunology on development of antigen based diagnostic test kits for early diagnosis of Human Lymphatic Filariasis.
- Awarded Junior Research Fellow by Lady Tata Memorial Trust, Mumbai in 1993 for working on a research project in the field of Immunodiagnosics of Lymphatic Filariasis.

#### **PUBLICATIONS:**

1. E. Madhu, Prasad GBKS et.al; Utility and durability of finger prick blood samples collected on whatman filter paper for detection of immune complexes by ELISA , J. Parasit. Appl. Anim. Biol., Vol.4(1), pp 49-54, Jan.1995.
2. "Quality control evaluation of blood grouping reagents" in the proceedings of Souvenir of National Conference of Indian Society of Blood Transfusion and Immunohaematology held at SVIMS, Tirupati, 10-12, Nov. 2000.
3. Paper on Studies on phenotype and genotype of rh – system on red blood cells in Indian population in XXIX Annual Conference of Indian Society for Blood Transfusion and Immuno-haematology held at Chennai from 23-25, Sept., 2004.
4. Madhu Y., Jadaun G.P.S., Gopal N.N., Abbas Z., Sharma S., Jain R., Soni G. R., Singh S. and Participants of the Study. An inter laboratory comparison study on biological products for bacterial endotoxin test. Int. J Pharm Res Rev. 2015; 5: 44-49.
5. Sudha V Gopinath, Niharika Agnihotri, J.P.Prasad, Madhu. E, Girija L.V., Md. Daud Ali, "Selection of protein standards in estimation of total protein content in commercially available intravenous immunoglobulin (IVIG) preparations by Biuret method and its comparison with Kjeldahl method: guide to IVIG manufacturers"; International journal of science and research; Vol.4 Issue 10, Oct.2015: 2121-2125.
6. J.P.Prasad, Meena, Madhu. E., et.al., "Study of Rh-D, C, c, E & e antigens on red blood cells to find out the percentage of phenotype and its frequency in an Indian population"; International journal of current research. 2015.
7. J.P.Prasad, Meena, Madhu. E, Kanchan Ahuja, Subhash Kumar and Priya Bhatt; "Trend of Blood Groups and Rh Factor in last decade within Indian capital: Delhi"; International journal of current research and academic review.2015; 3(10):115-120.
8. 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*; Volume 44, Issue 6, November 2016, Pages 591-595.

9. 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.
10. Chanda Sinha<sup>1</sup>, Meena Kumari<sup>1\*</sup>, Shagun Wadhwa<sup>2</sup>, Zafar Abbas<sup>2</sup>, Y Madhu<sup>2</sup>, Renu Jain<sup>1,2</sup>, G.R.Soni<sup>1,2</sup>, Surinder Singh <sup>1,2</sup> & Participants of the Study; Collaborative study to evaluate the inter laboratory reproducibility for Gel Electrophoresis by SDS PAGE on human Erythropoietin drug samples; *Int J Med Health Sci*. Oct 2017, Vol-6; Issue-4.
11. Charu Arora, J.P. Prasad, et.al, A comparative study between various compendial biuret estimation methods with respect to the estimation of protein in human biologicals; *Journal of Pharmaceutical Sciences* 80(5) DOI: 10.4172/pharmaceutical-sciences.1000442
12. Alternate method for total protein for Human Albumin, immunoglobulins and plasma protein fraction published in IP 2018. & Acceptance criteria for Clottable protein in monograph for Fibrin sealant kit published in IP 2018.