

Name: Dr. J. P. PRASAD
Designation: Deputy Director (Quality Control),
Qualification: M.Sc. (Biochemistry), 1986, BHU, Varanasi.
Ph.D. (Biochemistry), 1993, BHU, Varanasi.



Awards

- Qualified UGC recognized JNU (Jawaharlal Nehru University) entrance examination equivalent to UGC-NET for admission to Ph. D. in Biotechnology 1987-88
- Received UGC –JRF award on the basis of written examination (UGC-NET 1988) and interview in 1989.
- Qualified CSIR-UGC/NET examination in 1989.

SPECILIZATION:

- Regulatory compliance functions of the National and International standard in quality control testing of Blood and Blood Products, Recombinant products, Monoclonal Antibodies, Enzymes and Hormones, Vaccines etc.

HEAD AND DIVISIONAL HEAD OF LABORATORIES:

- **Divisional Head of Blood products (Plasma Derived Products), Recombinant, Therapeutic Antibody lab, Enzymes and Hormones:** From 2017 to 01-12-2020
- **Head of Quality Management Unit:** 6th October, 2016 to 9th March, 2020.
- **Blood Products (Plasma Derived Products):** November 2008 to 15-11-2018
- **Sterility Laboratory:** 27th October, 2016 to 09-03-2020.
- **Enzymes and Hormones:** September 2005 to 15th February, 2012, November 2012 to May 2013, 16-11-2018 to 01-12-2020.
- **Biochemical Kit:** January 2009 to December 2011.
- **Blood Grouping Reagents:** June-July 2012, November 2012 to July 2013, 19th July 2017 to 09-03-2020
- **Recombinant Products:** 09th July, 2012 to August, 2012, 09-03-2020 to 01-12-2021

EXPERIENCE:

- Total 27 years' working experience in research and regulatory out of which 20 years' experience in quality control testing of Biologicals, 1995 to till date:
- **Blood Products:** Human albumin, Immunoglobulin (IV/IM), Specific Immunoglobulin (IM/IV), Coagulation Factor-VII & Factor-IX, Fibrin Sealant Kits, Factor Eight Inhibitor Bypass Activity (Feiba), Human Fibrinogen, Anti-thrombin-III Concentrate as per requirements of Pharmacopoeia-IP, BP, EP and USP. (March 2006- till date).
- **Enzymes and Hormones:** Streptokinase, Human Chorionic Gonadotropin (hCG), follicle Stimulating hormones (FSH). (Sept., 2005 to March, 2013)
- **Blood Grouping Reagents:** Anti-A, B, AB, D (IgM), D (IgG), D (IgM+IgG), C, c, E, e, K, k, Human Globulin (AHG) & Bovine Serum Albumin (BSA) (March 1995, to Sept. 2005, Dec. 2012- 13).
- **Biochemical Kit:** Q.C. Testing of Glucose strips and Glucose reagent. (2010-12)

INTERNATIONAL TRAINING:

- Specialized training on Blood and Blood Products at Department of Health and Mental Hygiene, Baltimore, Maryland, USA in 1997.

PROFICIENCY:

- Successfully participated “International Collaborative Study to calibrate the WHO 3rd International Standard for Thrombin” organized by NIBSC, UK and Blood products laboratory participated for this collaborative study (study period Jan. – Feb.2020).
- Successfully participated in EDQM (European Directorate of Quality Medicine) proficiency Test for Protein Composition in Human Normal Immunoglobulin, PTS-201, August, 2019.
- Successfully participated in EDQM (European Directorate of Quality Medicine) proficiency Test for potency Assay of Clottable protein in Fibrinogen and assay of Thrombin in Fibrin Sealant kits, PTS-164, August 2018.
- Participated in proficiency study Test conducted by EDQM PT- 146 for potency assay of Coagulation Factor-VIII by chromogenic method in 2014,
- Participated in International Collaborative study to evaluate candidate International minimum Potency reference preparation for Anti-D, Anti-A and Anti-B blood grouping reagents, conducted by NIBSC, UK, WHO and CBER in 2003 & 2004.
- Participated in International External Quality Control Program (UK, NEQUAS), conducted by The Blood Laboratory Practices, UK from 2001 to 2002.

GMP INSPECTION OF MANUFACTURING UNITS:

- 16 Biotech, Plasma Derived Products and Biochemical kit manufacturing units were inspected for grant of manufacturing license.

GOVERNMENT ANALYST, MEDICAL DEVICE TESTING OFFICER AND OTHER AUTHORISED SIGNATORY:

- Notified to sign the certificate on behalf of Director, National Institute of Biological under the rule 8, vide Gazette notification (F.No.X-11018/21/2020 – DR] Extra ordinary Part -II-SEC.3(ii) notification, New Delhi, 15th January, 2021. No. S.O. 189 (E).
- Notified as a **Government Analyst for Plasma derived product** vide Gazette notification No. S.O. 4271 (E) published in 26th November, 2019.
- Notified as a **Medical Device Testing Officer** vide Gazette notification (F.No.X-11014/03/2011- DFQC Notification Extra ordinary Part -II 11th July, 2018, S.O.3400 (E)
- Notified as a **Government Analyst for Plasma derived product** vide Gazette notification No. S.O. 2393E, published in 2nd September, 2016.
- Notified as a **Government Analyst for Blood Grouping Reagents** vide Gazette notification (F.No.X-11014/03/2011- DFQC Notification Extra ordinary Part -II 26th September, 2011, S.O.2213E.

PAPERS AND ABSTRACTS

- A reliable assay for ensuring the Biological Activity of Anti-T lymphocyte Immunoglobulin as an alternate to Compendial flow Cytometry Method has been accepted for publication in *Biologicals*, 2020
- A Comprehensive review on Microbial L- Asparaginase : Bioprocessing Characterization and Industrial Applications” has been accepted for publication in *Biotechnology and Applied Biochemistry*. April 2020
- A Comparative study of various Compendial Biuret Methods for estimation of protein Human Biologicals. *Indian Journal of Pharmaceutical Sciences*, September- October 2018, 946-949. Charu Arora, A. Prakash, **J. P Prasad**,

Y. Madhu, Sudha V. Gopinath , S. Singh, P. Kumar, Ankita Singh, A. Kumar V. Singh.

- Intravenous Immunoglobulin Preparations: Quality Control Measures and Proposed Strategies for Improving its safe and judicious use in India . *Applied Clinical Research, Clinical Trials and Regulatory Affairs, Volume -5, Issue 2018, 946-949.* Sudha V. Gopinath, **J. P Prasad**,
- 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 Journal of Clinical Research, June 2016* **J. P Prasad**, Y. Madhu, Surinder Singh, G.R. Soni, N. Agnihotri, Varsha Singh, Pradeep Kumar, Nidhi Jain, Anu Prakash, Varun Singh
- “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” published in *Biologicals 44 (2016) 591-595*, **J.P Prasad**, Y. Madhu, Surinder Singh, G.R. Soni, N. Agnihotri, Varsha Singh, Pradeep Kumar, Nidhi Jain, Anu Prakash, Varun Singh.
- Assuring The Quality of Human menopausal Gonadotropin (Menotropin) Batches by Establishing Their FSH and LH Activities before Use in Treatment of Infertility, *International Journal of Current Research, Vol-8, Issue 01, pp 26214-26217, February, 2016*, Shikha Yadav Richa Baranwal, Rashmi Srivastava, Nanda Gopal, Subhas Kumar, Rajeev Srivastava, Brij Bahadur, Mohit kumar, Rashmi Jain, Niharika Sood, Charu M Kamal and **Prasad, J. P.**
- Evaluation of Therapeutic Recombinant follicle Stimulating Hormone batches for their Identity and potency before Use in Patient. *International Journal of Current Research, Vol-8, Issue 01, pp 25049-25052, January, 2016*, Rcha Baranwal, Rashmi Srivastava, Nanda Gopal, Subhas Kumar, Rajeev Srivastava, Mohit kumar, Aditi saini, Rashmi Jain, Niharika Sood, Charu M Kamal, **Prasad, J. P.** and Shikha Yadav
- “Study of Rh-D,C,c,E and e Antigen on Red Blood cells to find out the percentage of phenotypes and its frequency in an Indian population” *International Journal of Current Research, Vol-8, Issue01, pp 25045-25048, January, 2016*, **Dr. J. P. Prasad**, Dr. Meena, Sudha V. Gopinath and Madhu, E.
- “Intravenous Immunoglobulin Preparation: Clinical Significance of Quality Control Test and Strategies for Improving Its safe and Judicious Use in India” *Indian Journal of Medical research Health Science*, Sudha V. Gopinath, **Prasad, J. P.**, Sharma R.K., Girija L.V., Daud Ali, Soni G.R.
- “Exploring possibility of using reconstituted Biological reference preparation beyond its recommended shelf life for studying molecular size distribution in human normal immunoglobulin” *International Journal of Current Research, Vol-7, Issue 09, pp 19914-19915, September, 2015*, Sharma R.K., Sudha V. Gopinath, **Prasad, J. P.**, Ali Md. Daud, Soni, G.R. and Singh Surinder
- Participated in Evaluation candidate preparation in an International collaborative Study to prepare “ International Standard for minimum potency of Anti-A and Anti-B blood grouping reagents: Published in **Vox Sanguinis (2006) 91, 336-344**

- Participated in Evaluation candidate preparation in an International collaborative Study to prepare “ International Standard for minimum potency of Anti-D blood grouping reagents: Published in **Vox Sanguinis (2006) 90, 131-139**
- Quality Control of Blood Grouping Reagents. Published in the proceeding & Souvenir of Silver Jubilee National conference of Indian Society of Blood Transfusion and Immunohematology held at Department of Transfusion Medicine, Shri Venkateswara Institute of Medical Sciences, Tirupati, 10th to 12th November, 2000.
- Presented a Paper on “ Stress Hormones and its Effect on Glucose Levels in Some Common Stress Disorder” in the 81st Indian Science Congress held at Jaipur University, Jaipur, 3rd to 8th January, 1994
- Paper entitled “A Biochemical study of Epinephrine, Norepinephrine and Glucose Changes in Stress Disorder” published in the proceeding of the 1st International Union of Biochemistry and Molecular Biology (IUMB) conference on Biochemistry of Diseases held at Nagoya , Japan, 1st to 6th June 1992.
- Paper entitled “A Study of Plasma-amine Oxidase (MAO) in Depression presented in the 79th Indian Science Congress held at M.S. University of Baroda, Vadodra, 3rd to 8th January, 1992
- Physiological and pharmacological Study in Relation to Antimicrobial Activities of Certain Plant Drugs” published in the bulletin of 10th Iranian Congress of Physiology and pharmacology held at Ahwaj (IR), 9th to 12th December 1991
- Presented a paper entitled “Mineral Content in Some aquatic Plants” in the 60th Annual General Body Meeting of Society of Biological Chemist held at Bose Institute Calcutta, 23rd to 25th December, 1991.

LECTURES IN INTERNATIONAL FORUM

- Participated and delivered a talk during meeting of “Hearing on Identifying the need for Development of Product specific Factor-VIII, Factor-IX Concentrate Reference materials” held at **WHO Headquarter, Geneva, Switzerland, 7th to 8th November, 2019**
- Participated and Delivered a lecture on “Current Consideration for Immunoglobulin in National Institute of Biologicals, India” in Intercontinental Hotel, Seoul, South Korea, organized by **Ministry of Food and Drugs Safety (MFDS), Government of South Korea, 26th to 29th June, 2018.**

APPOINTED AS AN EXAMINER FOR CONDUCTING M. SC. PRACTICAL EXAMINATION:

- I have been appointed 08 times as an Examiner by Controller of Examination of Banaras Hindu University (BHU), Varanasi and Shri Chhatrapati Sahuji Maharaj (CSM) Kanpur University, Kanpur for conducting M.Sc. (Biochemistry) and M.Sc. (life Sciences) Practical Examination for academic session 2001-02, 2002-03, 2003-04, 2006-07 and 2018-19.

EXAMINER FOR EVALUATION PH. D THESIS AND VIVA-VOVA FOR AWARD OF PH. D. DEGREE:

- Evaluated total 10 Ph. D thesis received from various University likes Banaras Hindu University (B.H.U.), Varanasi, Jamia Milia Islamia University, New Delhi and Sam Higginbottom University of agriculture, Technology & Sciences, Prayagraj for award of Ph. D degree.

