



1. Name of the Employee: **Dr. Charu Mehra Kamal**
2. Email id: **cmkamal@nib.gov.in**
3. Designation: **Scientist Grade-I**
4. Division/LAB: **Head of Recombinant Products Laboratory and Enzymes & Hormones Laboratory**
5. Educational Qualification: **Masters in Biotechnology and PhD in Biotechnology**
6. Year of Joining: **2004**
7. Professional Experience: **Eighteen Years and three months in Quality Control of Biologicals at NIB NOIDA**
8. Major Publications:

### **Publications**

1. **Author: Charu Mehra Kamal**, Arun Kumar, Pankaj Kumar Sharma, Sanjeev Kumar Sharma, Brij Bhushan, Rajeev Kumar, Mohit Sharma and Reba Chhabra

**Title:** Stability of plasma samples positive for anti-HIV antibodies stored over a decade

**Journal:** International Journal of Current Research (IJCR); Vol. 7, Issue, 11, pp.22336-22338, November, 2015

2. **Author: Charu Mehra Kamal**, Aakanksha Yadav, Pankaj Kumar Sharma, Rajeev Kumar, Sanjeev Kumar Sharma, Brij Bhushan and Reba Chhabra

**Title:** Pilot Study on the Stability of Internal Quality Control Samples for Anti-HCV Immunodiagnostic Assays

**Journal:** International Journal of Biomedical and Advance Research (IJBAR); 6 (12): 854-857 December, 2015

3. **Author:** Richa Baranwal, Rashmi Srivastava, Nanda Gopal, Subhash Kumar, Rajeev Srivastava, Mohit Kumar, Aditi Saini, Rashmi Jain, Niharika Sood, **Charu M Kamal**, Prasad, J.P., Shikha Yadav

**Title:** Evaluation of Therapeutic Recombinant Follicle Stimulating Hormone Batches for their Identity and Potency before use in patients

**Journal:** International Journal of Current Research (IJCR); Vol. 7, Issue, 11, pp.22336-22338, January, 2016

4. **Author:** Shikha Yadav, Richa Baranwal, Rashmi Srivastava, N. Gopal, Subhash Kumar, Rajeev Srivastav, Brij Bahadur, Mohit Kumar, Rashmi Jain, Niharika Sood. **Charu M Kamal**, Prasad, J.P.

**Title:** Assuring the Quality of Human Menopausal Gonadotropin (Menotrophin) Batches by establishing their FSH and LH Activities before use in treatment of infertility

**Journal:** International Journal of Current Research (IJCR); Vol. 7, Issue, 11, pp.22336-22338, January, 2016

5. **Author:** Sanjay Mendiratta, **Charu Mehra Kamal\***, Suneete Sharma, Reba Chhabra and Surinder Singh

**Title:** Dried tube specimens: A tool to ensure effective proficiency testing & quality control of Hepatitis B virus diagnosis in developing countries

**Journal:** International Journal of Biomedical and Advance Research (IJBAR); 8 (6): 233-238 June 2017

6. **Author:** Gurminder Bindra, **Charu Mehra Kamal**, Meena Kumari, Sanjay Mendiratta, Preety Sharma, Surinder Singh

**Title:** Role of NIB in connecting science to patients by assuring safe and quality anti Diabetic product

**Journal:** Journal of Medical Sciences 2019; 22(1):16-20

7. **Author:** Gurminder Bindra , Gaurav Pratap Singh Jadaun, Shruti Dixit, Vandana Saklani , Zafar Abbas, Parveen Jain, Kim B Dancheck, Matthew W Borer, Meena Kumari, **Charu Mehra Kamal**, Renu Jain, Surinder Singh, Participants of the Study

**Title:** Establishment of the First National Reference Standard for Insulin Lispro: Report of a Collaborative Study

**Journal:** Biologicals 2019 Mar; 58:1-6

8. **Author:** Matthew Locke, Peter Rigsby, Colin Longstaff and participants of the study (From NIB: B. Kumar, **C. Kamal**, R Baranwal, B. Bahadur, M Kumar and A Bisht)

**Title:** An international collaborative study to establish the WHO 4<sup>th</sup> International Standard for Streptokinase: Communication from the SSC of the ISTH

**Journal:** Journal of Thrombosis and Haemostasis/ Volume 18, Issue 6 February 2020

9. **Author:** Birendra Kumar, **Charu Mehra Kamal**, Gurminder Bindra, Sanjay Mendiratta, Mohit Lal, Poonam Katoch, Anupkumar R Anvikar

**Title:** Evaluation of Potency of Erythropoietin Injection Available in Indian Market to Assess its Quality

**Journal:** Inventi Rapid: Biosimilar & Biopharmaceuticals, Vol 2022, Issue 1

10. **Author:** Rashmi Shrivastava, Shalini Tewari, **Charu Mehra Kamal**, Niharika Trivedi, Manisha Varshney, Aakanksha Yadav, Anupkumar R Anvikar

**Title:** National Control Laboratories in Quality Healthcare- a roadblock for substandard biopharmaceuticals

**Journal:** Biologicals Volume 76, April 2022, Pages 42-45

11. **Author:** Ben Cowper, Peter Rigsby, Thomas Dougall and Chris Burns, participants of study (from NIB- Dr. Renu Jain, **Dr. Charu Mehra Kamal**, Dr. Meena Kumari & Chanda Sinha)

**Title:** WHO International Collaborative Study of the Proposed 2nd International Standard for Parathyroid Hormone 1-34, Recombinant, Human

**WHO Document No:** WHO/BS/2017.2312 Expert Committee on Biological Standardization, WHO Geneva, 17 – 20 October 2017

12. **Author:** Dianna E. Wilkinson, Wolfram H. Gerlich, Christian G. Schüttler, Dieter Glebe, Heinrich Scheiblaue, Sigrid Nick, Michael Chudy, Thomas Dougall, Lindsay Forrest, Alan B. Heath and the Collaborative Study Group\* (from NIB- Dr Reba Chhabra, **Dr Charu M Kamal** & Sanjeev Sharma)

**Title:** Collaborative Study to Evaluate the Candidate 3rd WHO International Standard for Hepatitis B Surface Antigen.

**WHO Document No:** WHO/BS/2014.2241: Expert Committee on Biological Standardization Geneva, 13 to 17 October 2014

### **Publications in National/ International Conferences**

1. Poster presentation entitled “**Immunological perspective in the pathogenesis of Alcoholic Liver Disease**” at International Conference “ Chemistry Biology Interface: Synergistic New Frontiers” held at New Delhi (21-26<sup>th</sup> Nov’2004)
2. Poster presentation entitled “**Role of NIB in connecting science to patients by assuring safe and quality anti Diabetic product**” in the 2nd JK Medical Science Congress 2017, Srinagar (18-22 May 2017).
3. Abstract of the paper entitled “ **Experimental Animal Model for Alcoholic Liver Disease**” accepted for paper presentation at joint meeting of the 5<sup>th</sup> World Multiconference on Systemics, Cybernetics and Informatics (SCI’ 2001) and 7<sup>th</sup> International Conference on Information Systems Analysis and Synthesis (ISAS’ 2001), Orlando, USA, 22-25<sup>th</sup> July’2001.
4. Presented a poster entitled “**Experimental Animal Model for Alcoholic Liver Disease**” in the 1<sup>st</sup> Annual Symposium in Biomedical Sciences held at Dr. B R Ambedkar Center for Biomedical Research, University of Delhi (13-14<sup>th</sup> April 2001).

### **Monographs**

- Contributed to various monographs for Biotechnology Derived Therapeutic Products in Indian Pharmacopoeia 2018.

### **Articles:**

A popular article titled "Ensuring quality of Insulins " written by Dr Charu Mehra Kamal, published in NIB Newsletter Issue 3, 2021 (July - Sept. 2021).