

1. Name of the Employee : N. Nanda Gopal
2. Email id : nngopal@nib.gov.in & nnandu1@rediffmail.com
3. Designation : Scientist Grade-III
4. Educational Qualification : M.Sc. (Microbiology) & D. Pharmacy
5. Year of Joining : 2003 at NIB
6. Professional Experience : (Period & Details in brief)



From Oct 2003 to Sep 2005: NAT Laboratory-HCV-NAT standardization for Molecular assays in collaboration with International Consortium for Blood Safety, New York Blood Centre, UK.

From Oct 2005 to Oct 2015: Engaged in developing the laboratory set up for Biotherapeutic **Enzymes and Hormones laboratory** viz standardization of QC tests for biophysicochemical, potency and safety parameters for Streptokinase, (Natural and recombinant origin), Heparin, Enoxaparin, Human Chorionic Gonadotropin and Human Menopausal Gonadotropin and Follicle Stimulating Hormone, Somatropin, Bacterial endotoxin test for Blood Products and NABL accreditation as per ISO/IEC 17025:2005 standard. Involved the activities related to procurement of equipment, validation, reference standards and its maintenance.

Monograph Contributions:

Harmonization of Streptokinase monographs, r-Streptokinase injection Monograph, Somatropin Drug Substance (Bulk), Somatropin Drug Product (Injection), Follicle Stimulating Hormone Concentrated solution & Follicle Stimulating Hormone injection monographs prepared.

From Nov 2015 to Mar 2017: Engaged in QC testing of **Blood Grouping Reagents** and also undertaken preliminary work related to National Reference Standard for Anti-A.

From Apr 2017 to Mar 2021: Immunodiagnostic Kits and Molecular Diagnostics Laboratory in evaluation of Immunodiagnostic Kits & Molecular Diagnostics- HIV, HCV, HBsAg, Syphilis (WHO-Collaborating Centre and Prequalification Cell). Part of the inspection team of CDSCO officials for IVD manufacturing units.

Instrumental in setting up of a **Covid-19 testing laboratory** at NIB during National Emergency and worked in 24x7 and tested approx. 1.35 Lakhs of Covid-19 clinical samples referred by ICMR.

Participated in proficiency tests conducted for pH determination conducted by EDQM,UK; NSRL, Australia-for Proficiency testing for Serology & NAT assays for HIV, HCV, HBV and Syphilis and WHO-EQAS for SARS-Cov-19.

Trainer for National Health Mission for the state blood bank officials, students of M.Sc/M.Pharm/B.Pharm and other CDSCO officials on QC testing of Biologicals, TQMS and LQMS.

7. Major Publications:

- i. An Inter Laboratory Comparison study on Biological Products for Bacterial Endotoxin test - International Journal of Pharmaceutical Research & Review January 2016; 5(1):44-49.
- ii. Evaluation of therapeutic recombinant follicle stimulating hormone batches for their identity and potency before use in patients- International Journal of Current Research Vol.08, Issue 01, Pages. 25049-25052 January 2016.

- iii. Assuring the Quality of Human Menopausal Gonadotropin (Menotrophin) batches by establishing their FSH and LH activities before use in treatment of infertility- International Journal of Current Research Vol.08, Issue 02, Pages. 26214-26217 February 2016.
- iv. Marine Microbial enzymes for enhancement of food quality and controlling of health hazards: A mini Review- Journal of Terrestrial and Marine Research, Wavelands Scientific Publications- August 2019 J. Terr. Mar. Res. Vol. 3(4) 2019:1-7 Journal of Terrestrial and Marine Research
- v. Delhi-National Capital Region: Screening of Plasma for HIV-Antibodies- IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS) vol.15 (Jan-Feb 2020).
