

CURRICULUM VITAE

Name : Neethi Jayaram
Address : B-401, Aishwaryam Ventures, Near Khandoba Temple,
Chinchwad, Pune-411019.
Mobile. No. : 9920199090
E-mail ID : neethi1285@gmail.com, neethi.jayaram@gmail.com
Date of Birth : 01/02/1985

Educational Qualifications

M.Sc. Biotechnology (2008) - Birla College of Arts, Science and Commerce, Kalyan, University of Mumbai

B.Sc. Biotechnology, Drugs & Dyes (Applied component) (2006) - S.I.E.S. College of Arts, Science & Commerce, Sion, University of Mumbai.

Passed CSIR-UGC NET (lecturership) –December 2013 exam. (Rank 45)

Work Experience (14 years)

- Working as Assistant professor (Ad hoc) at Department of Biotechnology, Modern College of Arts, Science and Commerce since **08th March 2023**.
- Worked as Consultant, M.Sc. Virology in Academic Cell, ICMR-NIV Pune from **06th July 2020 to 20th January 2023**.
- **Previous posts held in M.Sc. Virology, Academic Cell, ICMR-NIV, Pune:**
Project Technical Officer (**06th December 2016 to 31st March 2020**)
Project Technical Assistant (**21st May 2012 to 30th November 2016**)

● Responsibilities:

1. Teaching and conducting practical and helping/supervising students with laboratory work and project work.
2. Managing M.Sc. Virology programme and Academic cell administrative work.
3. Collaboration with Savitribai Phule Pune University with regards to all Academic/administrative activities of Academic Cell.
4. Have experience in administrative support to Institutional Biosafety Committee and Institutional Ethics Committee for past 2 years.: Coordination and Managing of IBSC and IEC meetings, maintaining records of projects, minutes of meeting, all documents related to the IBSC /IEC; working on the IBSC portal of DBT.

- **Project work at ICMR-NIV:** Worked on a project titled "Standardization of Monoclonal Antibody based ELISA using anti CHKV capsid MAb to study specific IgM response in patients with Chikungunya disease" under the guidance of Dr. R.G. Damle. (Published)
 - Supervised two M.Sc. Virology students in their Semester IV dissertation work under the guidance of Dr. R.G. Damle on the projects:
 - "Development of Antigen capture ELISA using anti-Capsid monoclonal antibodies against Chikungunya Virus"
 - "Detection of Chikungunya virus (CHIKV) antigen from infected mosquito in anti-capsid monoclonal antibody (MAb) based antigen capture ELISA"
- ❖ Worked as **Research Executive** in Cell Culture Dept. of Yashraj Biotechnology Ltd. from **June 2010 to September 2011.**
- **Projects:** Development and characterization of Monoclonal and Polyclonal Antibodies against C - reactive protein.
 - Maintenance and Supervision of the Animal House facility
- ❖ Worked as **Junior Research Fellow** for the DBT funded project titled "Development of monoclonal antibodies for detection of *Macrobrachium rosenbergii* Nodavirus and Extra Small Virus in giant fresh water prawn *Macrobrachium rosenbergii*" at Central Institute of Fisheries Education, Versova, Mumbai from **September 2008 to June 2010.**
- **Work done:**

Cloning, sequencing and expression of coat protein genes of *Macrobrachium rosenbergii* Nodavirus and Extra Small Virus. (Genes cloned in E. coli and coat protein expressed and purified).

Development and characterization of Polyclonal and Monoclonal antibodies against *Macrobrachium rosenbergii* Nodavirus and Extra Small Virus.
- ❖ Worked as **Laboratory Technician** for the project titled "Pilot study of HIV in Women attending a Health Clinic in Mumbai (Indo-US Collaborative Project)" at Department Of Microbiology, Nair Hospital, Mumbai from **August 2008 to September 2008.**
- Work done: ELISAs for detection of HBV, HCV, HIV; HIV CD4/CD8 count by Flow cytometry; HA for detection of *Treponema pallidum* (Syphilis)

Publications:

- Damle, R.G. **N. Jayaram**, S. M. Kulkarni, K. Nigade, K. Khutwad, S. Gosavi, D. Parashar. (June 2016) Diagnostic potential of monoclonal antibodies against the capsid protein of Chikungunya Virus for detection of recent reaction. Archives of Virology, Volume 161, Issue 6. pp 1611-1622.
- **V. Neethi**, N. Sivakumar, Kundan Kumar, K. V. Rajendran, M. Makesh. (2012). Production and Application of Polyclonal Antibodies against Recombinant Capsid Protein of Extra Small Virus of *Macrobrachium rosenbergii*. Indian J. Virol. (October–December 2012) 23(3):374–378.
- Gene sequence for *Macrobrachium rosenbergii* Nodavirus (HQ637179.1) and Extra Small Virus (HQ637180.1) published.

Training

Worked in Molecular Diagnostic PCR Reference Laboratory in Kasturba Hospital for a period of one month (**July 2008**).

- Work done: Real time PCR assay for diagnosis of Dengue, Leptospirosis and HIV.
- ELISA (automated and manual) for Dengue NS1 detection.

Project work (M.Sc. dissertation)

Worked on project titled 'Isolation and purification of *Mycobacterium tuberculosis* antigens and use of purified antigens to study antibody profile of patients with tuberculosis' at Laboratory Nuclear Medicine Section, Radiation Medicine Centre, B.A.R.C., Mumbai, under the guidance of Dr. Mythili Kameswaran for a period of five months from May 2007 to September 2007.

Key skills:

- Cell Culture techniques, Hybridoma technology
- Protein purification, Electrophoresis (PAGE and agarose gel electrophoresis), 2D PAGE, Western Blotting, Chromatography, Gel Filtration.
- ELISA, Immunofluorescence assay, Immunoelectrophoresis, Agar gel Immunodiffusion.
- PCR, DNA and plasmid extraction and estimation, Cloning and Recombinant protein production, RNA extraction and estimation, Transformation and Conjugation techniques.
- Microbial culturing and techniques, Flow Cytometry for cell counting, Biochemical assays.

- Blood collection
- Animal Handling, immunization and bleeding (mice and rabbits).

Workshops:

- On Job Training at "Maharashtra Institute of Medical Science and Technology" at J.J. Hospital (Medical Laboratory training).
- Applied Genetics and Genetic Counseling at CREMERE, Malad, Mumbai.
- "Fungal Bioremediation" conducted by Mycological Society of India, Mumbai Unit at S.I.E.S College, Sion.
- Attended "International Symposium on Emerging Trends in Genomics and Proteomics" Organized by NIRRH, ISSRF & University of Mumbai.
- Paper presentation on "Cloning and Expression of Capsid protein gene of extra small virus infecting *Machrobracium rosenbergii*" at the 20th All India Congress of Zoology held at Central institute of Fisheries Education during 29-31 December 2009. Also participated in the management of the Seminar and poster presentation competition as part of CIFE team.

Computer knowledge:

Basic knowledge in MS-Office, internet use and emailing.

Introduction to Bioinformatics.

MS-CIT

Languages Known:

Spoken: English, Hindi, Tamil (Mother Tongue), Marathi.

Written: English, Hindi and Marathi.

Neethi Jayaram.