

## JITENDRA RAGHUNATH SHINDE

DOB: 01 May 1989

Marital Status: Married

Contact no: (9324520688)

Email: [shindejitendera@gmail.com](mailto:shindejitendera@gmail.com)



At present, working as **Assistant Professor at ITM, Institute of Health Sciences, Department of MLT, Panvel (SEPT-2019 to PRESENT) 2 year 3 months.**

✚ **RESEARCH EXPERIENCE (FEB- 2016 – MAR- 2019) 2 years 10 months**

✚ **PUBLICATIONS:**

Isolation and characterization of Dengue virus isolates from pediatric patients from New Delhi.

International Journal of Infectious Diseases.

<https://doi.org/10.1016/j.ijid.2018.12.003>

---

At present designated as **Assistant Professor at ITM, Institute of Health Sciences, Department of MLT, Panvel.** Previously worked as Senior Research Fellow at Department of Biochemistry, AIIMS Hospital, New Delhi. Experienced in Research & Development in the field of Biomedical sciences for 3 three years.

✚ **Work & Responsibilities**

Designed and delivered undergraduates, postgraduates and doctoral level courses related to the Virology and Molecular techniques, content area reading, research methods developments, project designing with an emphasis in technology integration. Mentored Postgraduates through career development process. Conducted scholarly activities and outreach activities at the National and International levels in the field of research and development.

✚ **Project Title:** Assessment of Anticancer effect of Triplex Forming Oligonucleotides (TFO) on HMGB-1 in Hepatoma using animal model system.

Worked as Junior Research Fellow at Translational Health Science and Technology Institute (THSTI), Faridabad under Vaccine and Infectious Disease Research Center an autonomous institute of DBT.

✚ **Project Title:** Investigating the effect of viral infections on zinc homeostasis as a cause of permeability barrier disruption in polar epithelial cells and endothelial cells.

✚ **Project Title:** Isolation and characterization of Dengue virus isolates from pediatric patients from New Delhi.

✚ **MSc DESSERTATION WORK:**

✚ **Project Title:** Determination of apoptotic ability of nucleoprotein of Avian- influenza A viruses in human lung epithelial cells and host gene expression (MSc dissertation at National Institute of Virology, Pune.)

✚ **BSc DESSERTATION WORK:**

✚ **Project Title:** Alcohol production technology by using “Banana Peel” fermentation by cellulolytic organisms, held in North Maharashtra University, Jalgaon which as selected for Aavishkar Inter-University Industrial Innovation Scientific Competition.

✚ **EDUCATIONAL QUALIFICATIONS:**

Name of Course	Passing Year	Name of institution/College	Percentage/ GPA
MSc (Virology)	2014	National Institute of Virology, (University of Pune).	(GPA- 4.30 out of 6.0) 64.20 %
BSc (Microbiology)	2012	Z. B. Patil College, Dhule North Maharashtra University (Jalgaon) Maharashtra.	78.67 %
HSC (12 <sup>th</sup> standard)	2009	Abhay Junior College, Dhule.	71.50 %
SSC (10 <sup>th</sup> standard)	2007	Canossa Convent High School, Dhule.	52.53 %

---

✚ **OTHER QUALIFICATIONS:**

- MSCIT computer course.
- Knowledge of Windows-7.
- Data analyzing and management.

---

✚ **TECHNICAL SKILLS:**

✚ **Cell culture techniques:**

Primary cell culture, maintenance of cell lines, hybridoma cell cultures, virus cultures, viral plaque assays, virus isolation and purification.

Animal handling mice (BALB/c, C57 BL/6 and Ag129) Animal inoculation Dissection.

### **Molecular Biology:**

DNA and RNA isolation from tissues, mammalian cells, virus supernatants, PCR, RT-PCR, cloning, gene transformation, plasmid isolation, protein expression, sequencing, Gel electrophoresis, Bioinformatics.

### **Biochemistry and Biophysics:**

Affinity, ion exchange and gel filtration chromatography, confocal microscopy. Inductively coupled Plasma- Mass Spectrometry (IC- PMS), Atomic absorption spectroscopy.

### **Immunology:**

Western blotting, Immunofluorescence assay, ELISA, Immunohistochemistry, Flowcytometry, Cytokine's profiling using Luminex magnetic bead assay.

---

### **ACADEMIC ACHIEVEMENTS AND AWARD**

- Participated in molecular virology meet- 2017 at THSTI, Faridabad, Haryana.
  - Selected for State Level Microbiological Contest (2011- 12) Rank I.
  - Participated in Research festival AVISHKAAR (2010-11)
  - Selected for State Level Microbiological Contest (2009) Rank- IV
- 

### **PRESENTATION AND WORKSHOPS ATTENDED:**

- Poster Abstract selected for virology meet- 2017 at Translational Health Science and Technology Institute, Faridabad, Haryana titled **“Isolation and characterization of Dengue virus isolates form pediatric patients from New Delhi”**.
  - Role of RNA viruses in zinc homeostasis.
  - Participated in the workshop on “Taxonomy and Molecular Phylogeny”, held by National Centre for Cell Sciences, Pune
  - Participated in workshop on Optimization techniques for western blotting and immunohistochemistry.
- 

### **EXTRA- CURRICULAR ACTIVITIES AND ACHIEVEMENTS:**

- Captained the Inter- College Basketball team in College. (2011- 12)
  - 1<sup>st</sup> prize in the Inter- College Basketball Matches. (2011- 12)
  - 2<sup>nd</sup> prize in Drama play inter-college competition on (BAL VIVAH, 2012)
  - 2<sup>nd</sup> prize in kick boxing in inter school competition (2006 -07)
-

**LANGUAGES KNOWN:**

English, Hindi, Marathi

---

**DECLARATION:**

I hereby declare that all the particulars made above are true to the best of my knowledge and belief.

Date – 1<sup>st</sup>, JAN, 2022

Place – PANVEL, MAHARASHTRA

JITENDRA RAGHUNATH SHINDE