

# Dr. L. SHIVLATA

 +91-8839355469	<b>ACADEMIC DETAILS</b>				
 shivlata.9@gmail.com	<b>S. N.</b>	<b>Examination</b>	<b>University/Board</b>	<b>Year</b>	<b>Percentage</b>
<b>PERSONAL DETAILS</b> <b>Father's Name:</b> Mr. L. Keshav Rao <b>Mother's Name:</b> Mrs. L. Parvati <b>Date of Birth:</b> 5 <sup>th</sup> June 1987 <b>Languages Known:</b> Hindi, Telugu & English <b>Nationality:</b> Indian	1.	<b>Ph.D. (Microbiology)</b>	University of Delhi, South Campus	2017	<b>69% (Course Work)</b>
	2.	<b>M. Phil. (Bioscience)</b>	R.D.V.V. Jabalpur (M.P.)	2011	<b>75.69%</b>
	3.	<b>M. Sc. (Biotechnology)</b>	Pt. R. S. S. University, Raipur	2010	<b>71.93%</b>
	4.	<b>B. Sc. (Industrial Microbiology)</b>	Pt. R. S. S. University, Raipur	2008	<b>71.27%</b>
	5.	<b>HSSCE</b>	C.G. Board	2004	<b>74.2%</b>
	6.	<b>HSCE</b>	C.G. Board	2002	<b>82.6%</b>
<b>KEY STRENGTHS</b> ✓ Punctual ✓ Positive Attitude ✓ Hard working ✓ Always eager to learn	<b>ACADEMIC ACHIEVEMENTS</b> <ul style="list-style-type: none"><li>• Qualified <b>CSIR-UGC JRF</b> in June-2015.</li><li>• Qualified <b>CSIR-UGC JRF</b> in June-2014.</li><li>• Qualified <b>CSIR-UGC JRF</b> in December-2013.</li><li>• Qualified <b>CSIR-UGC JRF</b> in June-2012.</li><li>• Qualified <b>ASRB-NET</b> in 2014.</li><li>• Scored <b>97.7</b> percentile in GATE Biotechnology in 2012.</li><li>• <b>Second merit holder</b> in M.Sc. Biotechnology (2010) from Pt. R. S. S. University, Raipur.</li></ul>				
<b>WORK EXPERIENCE</b>					
<b>Designation:</b> Guest Faculty (Botany) <b>Institution's Name:</b> Center for Basic Sciences, Pt. Ravishankar Shukla University <b>Period of Employment:</b> From 17-08-2024 to till the date <b>Work/Research Details:</b> Teaching Integrated M.Sc. Program Classes (Biology)					
<b>Designation:</b> Guest Faculty (Biology) <b>Institution's Name:</b> Center for Basic Sciences, Pt. Ravishankar Shukla University <b>Period of Employment:</b> From 24-07-2023 to 15-06-2024 <b>Work/Research Details:</b> Teaching Integrated M.Sc. Program Classes (Biology)					
<b>Designation:</b> Research Assistant <b>Institution's Name:</b> AIIMS RAIPUR (CG) <b>Period of Employment:</b> From 11-10-2022 to 13-06-2023 <b>Work/Research Details:</b> Viral Diagnosis and Research					
<b>Designation:</b> Scientist B <b>Institution's Name:</b> Birsa Munda Government Medical College, Shahdol (MP) <b>Period of Employment:</b> From 16-05-2020 to 31-03-2022 <b>Work/Research Details:</b> COVID-19 Sample Diagnosis by Real-time PCR Assay & TrueNat					
<b>Designation:</b> Senior Research Fellow <b>Institution's Name:</b> National Institute of Research in Tribal Health-ICMR, Jabalpur (MP) <b>Period of Employment:</b> From 08-05-2017 to 29-11-2019 <b>Work/Research Details:</b> Viral diagnosis and Research on Hepatitis B virus, Dengue, Chikungunya, Measles, Rubella, Influenza and other viruses causing respiratory diseases					

<b>SEQUENCE SUBMISSION ON GenBank</b> <ul style="list-style-type: none"> <li>✓ Hepatitis B Virus genome: 10</li> <li>✓ HBV partial surface gene: 15</li> <li>✓ Dengue CPrM gene: 25</li> <li>✓ Chikungunya E1 gene: 18</li> </ul>	<b>RESEARCH WORK DETAILS of PhD (MICROBIOLOGY)</b> <p><b>Institution's Name:</b> University of Delhi, South Campus</p> <p>My Ph. D thesis work was on purification and characterization of <math>\alpha</math>-amylase from an actinobacterium, <i>Streptomyces badius</i>. Cloning of <math>\alpha</math>-amylase gene from same actinobacterium was carried out in <i>E. coli</i> and recombinant protein was purified and characterized.</p>
<b>TECHNIQUE KNOWN</b>	
<ul style="list-style-type: none"> <li>● Animal Cell Culturing: Media Preparation and Sterilization, seedling of cells, Microscopic viewing, Subculturing, Storage, Counting and cell transfection.</li> <li>● Viral ELISA Essay (Dengue NS1 &amp; IgM ELISA, Chikungunya IgM ELISA, HepatitisA-E, Measles &amp; Rubella ELISA)</li> <li>● Nucleic Acid Extraction &amp; Plasmid isolation by Manual and silica column based techniques</li> <li>● Conventional and Real Time PCR (Monoplex/Multiplex, Qualitative and Quantitative Assay)</li> <li>● Primer &amp; Probe designing</li> <li>● Sanger's Sequences Analysis</li> <li>● Electrophoresis (Agarose and SDS-PAGE),</li> <li>● Cloning and Expression in <i>E. Coli</i> host system,</li> <li>● Chromatography (Ni-NTA column chromatography and ion exchange chromatography),</li> <li>● Microscopy and Spectroscopy</li> <li>● Plant tissue culture</li> </ul>	
<b>RESEARCH ARTICLES AND REVIEW</b>	
<ul style="list-style-type: none"> <li>● Barde PV, Chouksey VK, <b>Shivlata L</b>, Sahare LK and Thakur AK (2019). Viral hepatitis among acute hepatitis patients attending tertiary care hospital in central India. <i>Virus Dis.</i> (Doi.org/10.1007/s13337-019-00541-6).</li> <li>● <b>Shivlata L</b>, Pacholi S, Chouksey VK, Barde PV. Molecular characterization of hepatitis B virus reveals circulation of multiple subgenotypes of genotype D with clinically important mutations in central India (2021) <i>Indian J Med Microbiol</i> 39(1):67-72. doi: 10.1016/j.ijmmb.2021.01.002. Epub 2021 Jan 27.</li> <li>● Chand G, Godbole S, <b>Shivlata L</b>, Sahare L, Ukey M, Kaushal LS and Barde PV,. Molecular xenomonitoring of Dengue Chikungunya and Zika infections: a year round study from two dengue endemic districts of central India (DOI:10.4103/0972-9062.321753).</li> <li>● <b>Shivlata L</b>, Satyanarayana T. Characteristics of raw starch-digesting <math>\alpha</math>-amylase of <i>Streptomyces badius</i> DB-1 with transglycosylation activity and its applications. <i>Appl. Biochem. Biotechnol.</i> 2016;181(4):1-21.</li> <li>● <b>Shivlata L</b>, and Satyanarayana T. Thermophilic and alkaliphilic Actinobacteria: Biology and potential applications. <i>Front. Microbiol.</i> 6:1014. Doi:10.3389/fmicb.2015.01014</li> <li>● Anjana S., Arunima S., <b>Shivlata L</b>. Optimization of medium components for enhanced production of extracellular fibrinolytic protease from <i>Citrobacter brakii</i>. <i>Int J Curr Microbiol App.</i> 2015: 4(7): 248-59.</li> </ul>	
<b>Book Chapter</b>	
<ul style="list-style-type: none"> <li>● <b>Shivlata L</b>, Satyanarayana T. (2017) Actinobacteria in agricultural and environmental sustainability. In: <i>Agro-environmental sustainability</i>. Springer, Berlin, pp 173-218. (<a href="https://doi.org/10.1007/978-3-319-49724-2_9">https://doi.org/10.1007/978-3-319-49724-2_9</a>).</li> </ul>	

## WORKSHOP/CONFERENCES ATTENDED

- ✓ Attended **NEP 2020 Orientation & Sensitization Programme** under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre, Pt. Ravishankar Shukla University, Raipur, (C.G.) from 01.10.2024 to 10.10.2024.
- ✓ Attended Hands-on Training Workshop on “**Basic Cell Culture Technology**” From May 8-11<sup>th</sup>, 2023 at **NCCS Pune**.
- ✓ Participated in **WHO Hands-on Training for Measles and Rubella Virus Genotyping and Sequence Analysis (29<sup>th</sup> April to 3<sup>rd</sup> May 2019)** at National Institute of Virology, Mumbai.
- ✓ Attended Seminar on **Organization and ethics of Biomedical Research Publications** on 1<sup>st</sup> June 2018 conducted at ICMR-National Institute for Research in Tribal Health.
- ✓ Presented Poster at 57<sup>th</sup> **Annual Conference of Association of Microbiologists of India** conducted on 24-27 November 2016, Gauhati University, Assam.
- ✓ Presented Poster at 56<sup>th</sup> **Annual Conference of Association of Microbiologists of India** conducted on 07-10 December 2015, JNU, New Delhi.
- ✓ Attended “**National Conference on current trends in material science**” organized at **Bhilai Mahila Mahavidayalya, Bhilai (C.G.)** on 5<sup>th</sup> and 6<sup>th</sup> February 2010.
- ✓ Attended “**National Conference on recent advances in Nanoscience & Nano-technology**” organized at Shri Shankaracharya College of Engineering & Technology, Bhilai (C.G.) on 12<sup>th</sup> and 13<sup>th</sup> January 2009.
- ✓ Participation in Seven days Hands on Training on “**Phylogenetic & Structural analysis of Protein Modeling (Haemoglobin, Myosin & Insulin) in Bioinformatics with emphasis on Drug Designing**” from 16<sup>th</sup> October to 22<sup>nd</sup> October 2008.
- ✓ Participated in ten days workshop on “**Enzymology and its application on Bioscience**” from 3<sup>rd</sup> January to 12<sup>th</sup> January 2008.
- ✓ One month training program on “**Effect of chemicals used in the field on Rhizobium species**” from Bhilai Mahila Mahavidayalya, Bhilai (C.G.) for the period from 25/06/2007 to 25/07/2007.

### Declaration

I hereby declare that above provided information is correct to the best of my Knowledge & belief.

**Dr. L. SHIVLATA**