

## **Bio-Data**

**Kiran Bala Sharma**  
**M.Sc, M.Phil (HP-SET, NET)**  
**Microbiology & Biotechnology Faculty**

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### **Academic qualifications**

<b>Degrees</b>	<b>University/Department</b>
<b>Ph.D in Biotechnology</b> <b>2017-Present (Pursuing)</b>	Department of Biotechnology, Himachal Pradesh University, Shimla, India
<b>M.Phil in Biotechnology</b> <b>2012</b>	Department of Biotechnology, Himachal Pradesh University, Shimla, India
<b>M.Sc in Microbiology</b> <b>2011</b>	Himachal Pradesh University, Shimla, India
<b>B.Sc in Medical (2009)</b>	RKMV, Shimla

### **Work Experience**

**Teaching Experience – 9yr** at RKMV-Shimla, in the Department of Microbiology & Biotechnology.

### **Awards/Fellowship/Stipend**

- 1. HP – SET (2017)**
- 2. Qualified for Agricultural Research Scientist (NET), 2018**
- 3. Granted stipend by the Department of Industries, Udyog Bhawan, Bemloe, Shimla-171001, Himachal Pradesh (2018)**
- 4. Best paper presentation (1<sup>st</sup>) in National conference - 2018**
- 5. Best poster presentation (1<sup>st</sup>) in International Conference - 2022**

### **Academic achievements**

**Paper published: 2**

**Conferences(National/International ): 5**

**Workshops: 3**

## Technical expertise

<b>Analytical instruments</b>	UV-VIS Spectrophotometer, Ultrasonication, Autoclave, High Performance Liquid Chromatography, Gas Chromatography, RT-PCR, Nanodrop, BSL-2
<b>Microbiology</b>	Isolation, characterization and maintenance of bacterial cultures, Yeast culture, Probiotic strains, identification of bacteria/Yeast, screening of microbes for industrial enzymes, strain preservation (lyophilization)
<b>Virology</b>	Animal cell culture techniques
<b>Protein purification</b>	FPLC, SDS & native PAGE
<b>Biochemical engineering</b>	Laboratory fermenter (7lt)
<b>Recombinant DNA technology</b>	Transformation of <i>E. coli</i> , genomic DNA isolation from bacteria, plant, plasmid isolation, restriction digestion & ligation of DNA, DNA amplification by PCR, Southern Blotting, RNA extraction & Cloning
<b>Enzyme technology</b>	Assay of various enzyme, ELISA
<b>Computers/Bioinformatics/Biostatistics</b>	Microsoft Word, Excel, Power Point, SigmaPlot, MEGA software, BLAST, SPSS & RSM.