***Curriculum Vitae*** 

**NAME: Monika Verma (M.Sc Microbiology)**

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**SKILLS**

* ***Creativity.***
* ***Effective communication.***
* ***Lesson planning.***
* ***Data collection.***
* ***Good command in science and other subjects too.***
* ***Fluency in English, Hindi and Punjabi.***

**Education**

* ***MA in Sociology pursuing from Himachal Pradesh university.***
* ***Master of Science in Microbiology, (Usage of non-conventional substartes for pullulan production by Aureobasidium Pullulans)***

**Punjabi University,Patiala, India**

**(2008-2010)**

* ***Bachelor of Science in Biotechnology (Honours)***

Panjab University, chandigarh

* ***Bachelor of Education***

Himachal Pradesh University, Himachal Pradesh.

* ***Central teacher eligibility test – Passed (paper I)***
* ***Himachal Pradesh state eligibility test --- Passed***

**Work Experience:**

* Presently working as senior analyst in Microbiology department of Oxigen Analytical Laboratories , Baddi, Solan Himachal Pradesh.
* Worked as **Bench chemist analyst in Microbiology department**  in **Regional Drug testing Laboratory Chandigarh** under the agies of **Central Drug standard control Organisation**, Delhi.
* ***Research fellow in an IAVI funded project:***

1. Worked as Senior research fellow in systematic review under the Project entitled as “Supply demand gap in **Integrated care of small and sick newborn in the district level** ”in **Advance pediatric Centre, PGIMER, Chandigarh**

* ***Research fellow in an ICMR funded project:***

1. Worked as Senior research fellow under the Project entitled as “The **association of allergic bronchopulmonary aspergillosis with poorly controlled asthma in children**”  **Advance pediatric Centre, PGIMER, Chandigarh**
2. Worked as Senior research fellow in **Deptt. of Microbiology** under the Project entitled as “**Hospital based sentinel survillence programme on acute bacterial meningitides**” **Indira Gandhi Medical College, Shimla.**
3. Project done on production of Liquor by using fermentation technology.

**Fellowships & Grants**

* Received Senior-research fellowship (SRF) from Indian council of medical research **(ICMR)** for a period of two year2012-2014
* Received another Senior-research fellowship (SRF) from Indian council of medical research **(ICMR)** for a period of another three year in 2014- 2018.

**Experimental &Techanical Expertise**

***Molecular Biology techniques*:** Isolation of genomic DNA and RNA, Estimation of RNA & DNA, Agarose gel electrophoresis.

**Immunological techniques:** ELISA.

***Bioinformatics*:** NCBI Blast, pubmed, Cochrane, systematic review.

***Biophysical techniques*:** Spectrophotometry, Nano drop and PCR.

***Microbiological techniques*:** Preparation of media, Bacterial cultures medias , Isolation of pure cultures and their biochemical estimation.

Maintenance of pure culture isolates.

Antibiotic assay.

Microbial limit control test.

***Software Skills***: MS word, Power point, Excel, Paint.

***Other instrument handling:*** Breathometer (For peak expiratory flow rate),Spirometer (for Pulmonary function test)

***Collection of Blood Sample:*** Human blood collection

***Conferences & Workshops Attended***

* Microcon 2009- Microbes for the sustainability of Mankind ,Panjab university chandigarh
* Participation certificate in the deliberations of the symposium on Role of Biotechnology in the present scenario- 2006
* Participation certificate in the Inter state Gentech Fest -2007
* Participation certificate in installation of Scientific stall in Gentech fest -2007
* Certificate of participation in Poster presentation in Cosmid ’08 Blast Felicitation of Genomics.
* Certificate of participation on biodiversity conservation from enviiornment society.
* Certificate of participation in XII th state level vocational Competition in Medical lab technology competeition.
* Certificate of attending workshop on Microbial technology and its applications in forest research Institute ,Dehradun uttrakhand.
* Certificate of participation in hands on workshop “Hospital based sentinel survillence of bacterial meneingitis in India. In Deptt of clinical Microbiology .Christan Medical college and Hospital, Vellore.