

**Jayshree Shukla**  
**MSc (Microbiology)**  
**Junior Research Fellow**  
**PhD Scholar**

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- Currently working at Research Laboratory, CIIMS (Central India Institute of Medical Sciences) as a Junior Research Fellow in a DBT-NER Twinning project BT/PR24766/NER/95/847/2017 entitled “Screening of Human Brucellosis in Northeast regions by using point of care Immunological and Molecular tools.
- Working as an Internal Molecular expert in Indo-UK GCRF Project entitled “Local evaluation of RT-PCR VS NGS for early detection, surveillance and prevention of communicable viral disease in central India: A wastewater based epidemiological study”

Her expertise is in Molecular Biology for the detection of Neuroinfections, Zoonotic infections, and Bacterial infections affecting the CNS.

- **Technical expertise:** Nucleic acid extraction methods using different body fluids. Molecular methods such as RT-PCR, Conventional PCR, LAMP PCR, and Nested PCR.
- Electrophoresis –Agarose Gel Electrophoresis (1D).
- Quantitative Assays.
- Well versed in Microbiological techniques such as BacT Alert 3D, Gram staining and maintenance of the isolates of various bacterial and zoonotic cultures.
- Also, known techniques include ELISA, rapid antigen testing methods.
- Well versed in Statistical tools for data analysis using MedCalc Software.
- Worked as an expertise Analyst in Biofire system by Biomerieux Analyst in Gastrointestinal tract infected panel.

**Publications:**

1. Shukla J, Husain A, Nayak A, Bhartiya N, Dagainawala H, Singh L, et al. Seroprevalence and associated risk factors of Human brucellosis from a tertiary care hospital setting in Central India. 2020 Dec 19;
2. Al JLS et.al Development of Rapid Immunological and Molecular tools for Diagnosis of Brucellosis Infection in Indian Population. Annals of RSCB. 2021 Feb 1;3300–19.

**STRENGTHS:**

- Great team-worker, adaptable and flexible.
- Willingness to work hard.
- Positive attitude.
- Capacity to work with cool mind.