

## Scientist Profile

1. **Name of the Scientist:** Dr. Bhawna Sharma
2. **Designation:** Scientist-D
3. **Division:** Immunology
4. **Official Email address:** sharma.bhawna@icmr.gov.in
5. **Qualifications:** M.Sc, Ph.D (Microbiology)
6. **Research interests:** Immunology of Tuberculosis and Leprosy, Cell signalling pathways, Infectious disease, Biomarkers , Vaccine development
7. **Research experience (in Years):** 11 years
8. **H-index:**10
9. **Total number of Publications:** 20

(Web-link. i.e. Google Scholar)

<https://scholar.google.com/citations?hl=en&user=yruGfqEAAAA>

10. **Patents (Filed/ Awarded):** Nil

11. **List of research grants received (Reverse chronological order):**

S. No	Research Project	Funding agency	Period
1.	Investigating the negative regulation of Cytokine Signaling in leprosy reactions by Suppressor of cytokine signalling (SOCS) molecules- <b>As PI</b>	Indian Council of Medical Research (ICMR)	Ongoing- 2023-2026
2.	To investigate the diagnostic value of Nerve Growth Factors in early case detection and disability prediction in contacts of Leprosy affected Persons– An observational prospective study. <b>As Co-PI</b>	Indian Council of Medical Research (ICMR)	Completed 2021-2024
3.	Validation of Nitric Oxide Synthase 2 (NOS2/ iNOS) gene polymorphism as molecular marker for diagnosis/prognosis	Indian Council of Medical Research	Completed 2021-2024

	of leprosy reactions (type1 and Type 2)- a prospective cohort study. <b>As Co-PI</b>	(ICMR)	
4.	Proteomic analysis of whole blood to monitor immune response after MIP vaccination in leprosy patients, their contacts and healthy individuals. <b>As Co-PI</b>	Indian Council of Medical Research (ICMR)	Completed 2020-2023
5.	Transcriptomics analysis of monocytes and macrophages in leprosy patients, their contacts and healthy individuals. <b>As Co-PI</b>	Indian Council of Medical Research (ICMR)	Ongoing 2020-2023
6.	Study of TCR (T cell receptor) mediated T cell signalling events in systemic circulation and at the site of infection in TB pleurisy patients- <b>As PI</b>	Department of Biotechnology (DBT) Under Biotechnology Career Advancement and Re-orientation (BioCARE) scheme	Completed 2017-2020

## 12. Awards/ Recognitions/Honors:

S. No	Award Details	Awarded by	Year
1.	Biotechnology Career Advancement and Re-orientation (BioCARE) award for Women Scientists	Department of Biotechnology (DBT)	2017
2.	ICMR NET-Junior Research Fellowship	ICMR	2006
3.	CSIR NET Lectureship	CSIR	2005

## 13. Academic activities (Last five years)

- Member of scientific societies/ bodies / committees
- Life time membership of **Indian Immunology Society**
- Life time membership of **Indian Association for Leprologists**

- Conference/ Webinar/ Workshop/ Training organized -Nil
- No. of Conference/ Webinar/ Workshop/ Training attended- Total 40 including participation in first batch of the Young Scientists Induction Program (S&T Foundation Program) Conducted by Indian Institute of Management, Visakhapatnam (IIMV) under the aegis of the Capacity Building Commission (CBC), and the Office of the Principal Scientific Advisor (PSA) to the Government of India (GoI).
- No. of invited lectures delivered -Nil
- No of students supervised: (Ph.D....., MD....., M.Tech / M.Sc.....)-  
Total 13 Students M.Sc students .