

CURRICULUM VITAE

Name: **Dr. Pooja Bhardwaj**
Designation: **Scientist- C**
Department: **Microbiology**
Institute: **ICMR-Regional Medical Research Centre, Gorakhpur, Uttar Pradesh-273013.**
Date of Birth: **10/08/1988**

Qualifications

- **Doctoral (Biotechnology). 2020.** CSIR- National Environmental Engineering Research Institute, Nagpur & Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur, India.
- **PG Diploma Intellectual Property Right. 2025.** IGNOU
- **Master (Biotechnology). 2011.** Barkatullah University, Bhopal (M.P.), India.

Awards/ Honours

- Best Research Paper award under Best Intramural Paper category at the DHR-ICMR Health Research Excellence Summit 2024.
- Best innovations award for ICMR Intramural and Innovation Summit 2023
- Young Scientist Fellowship 2021, HRD, DHR, MoH&FW, New Delhi.
- UGC-NET-JRF qualified in Dec-2011 with all India rank 70th rank.
- Second Merit holder in PG

Positions (Experience)

Designation	University/ Institution	From (Month/Year)	To (Month/Year)
Scientist-C	ICMR-Regional Medical Research Centre Gorakhpur, U.P.	July 2025	Present
Research Scientist I	ICMR-Regional Medical Research Centre Gorakhpur, U.P.	July 2024	July 2025
Young Scientist	ICMR-Regional Medical Research Centre Gorakhpur, U.P.	August 2021	July 2024
Research Assistant	ICMR-Regional Medical Research Centre Gorakhpur, U.P.	February 2020	August 2021
Senior Research Fellow	CSIR- National Environmental Engineering Research Institute, Nagpur, MH, India	January 2015	December 2017
Junior Research Fellow	CSIR- National Environmental Engineering Research Institute, Nagpur, MH, India	January 2013	January 2015
Technical Staff	National Institute of High-Security Animal Disease Laboratory (Formerly, HSADL), Bhopal, M.P., India	August 2012	January 2013

Publications (Numbers only)

Research Papers: **26** with IF >100 (**Clarivate analytics 2025**), Book Chapters: **03**, Popular articles: **03**

Bibliographical details of Relevant publications

1. Bhardwaj, P., Joshi, H.S., Dwivedi, G.R., 2026. Ochrobactrum intermedium. Trends in Microbiology. 117143. <https://doi.org/10.1016/j.tim.2025.12.014> (IF – 14.9)
2. Bhardwaj, P., Gulafshan, S., Yadav, Y., Dhangur, P., Singh, A. K., Sah, K., Singh, R et al., 2025. Molecular and Serological investigations of Pathogens Associated with Acute Encephalitis Syndrome Among Children in Northern India. Infectious Diseases.1-3 DOI: <http://doi.org/10.1080/23744235.2025.2584143> . (IF – 4.0).
3. Bhardwaj, P., Agrawal, A., Tiwari, S., Kumar, B., Kumar, N., Singh, R., Joshi, H.S., Dwivedi, G.R., 2025. Integrated diagnostic approach for mixed Plasmodium infection among Acute Febrile Patients: Rare incidence from Eastern Uttar Pradesh. Diagnostic Microbiology & Infectious Disease. 117143. <https://doi.org/10.1016/j.diagmicrobio.2025.117143> (IF – 1.8).
4. Behera, S.P., Bhardwaj, P., Srivastava, P. et al., 2025. A rare and first report of Ochrobactrum intermedium co-infection in coxsackievirus-A24-infected acute hemorrhagic conjunctivitis patients. Folia Microbiologica. <https://doi.org/10.1007/s12223-025-01300-5> (IF -3.1).
5. Bhardwaj, P., Yadav, Y., Dhangur, P., Behera, S.P., Dwivedi, G.R., Singh, R., 2025. Sensitive and rapid visual detection of Orientia tsutsugamushi with Recombinase assisted dipstick detection platform. Diagnostic Microbiology & Infectious Disease. 116872. <https://doi.org/10.1016/j.diagmicrobio.2025.116872> (IF -2.1).
6. Bhardwaj, P., Kumar, R., Behera, S.P., Mishra N., Singh, R., Fatma, I., Tiwari, A., Kumari, M., Shukla, A., Rajput, S., Singh, N., Pandey, K., Kant, R., Murhekar, M., Joshi, H.S., Dwivedi, G.R., 2025. Epidemiology of acute undifferentiated febrile illness and acute encephalitis syndrome cases in Northern India: A prospective observational study. Infectious Diseases. 1-12. <https://doi.org/10.1080/23744235.2025.2498426> (IF – 4.0).
7. *Bhardwaj, P., Dhangur, P., Kalichamy, A., Singh, R., 2025. RT-RPA assisted CRISPR/Cas12a based one-pot rapid and visual detection of the Pan-Dengue virus. Journal of Medical Virology. 97(2). e70219. <https://doi.org/10.1002/jmv.70219> (IF -6.8).
8. Gulafshan, S., Bhardwaj, P., Beniwal, R., Yadav, V., Kant, R., Zaman, K., Mittal, M., Sharma, B., Srivastava, V. K., Singh, R., 2024. Could acute Q fever be causing some cases of pediatric acute encephalitis syndrome in eastern Uttar Pradesh. The Microbe. <https://doi.org/10.1016/j.microb.2024.100203>.
9. *Bhardwaj, P., Gulafshan, S., Singh, R., 2024. A rapid, specific and ultrasensitive detection of the Chikungunya virus based on RT-RPA:CRISPR/Cas12a one-pot dual mode end-point detection system. Analytica Chimica Acta. 1329, 343221. <https://doi.org/10.1016/j.aca.2024.343221> (IF -5.7).
10. *Bhardwaj, P., Sah, K., Yadav, V., Gulafshan, S., Dhangur, P., Srivastava, U., Dwivedi, G.R., Murhekar, M., Sharma, B. and Singh, R., 2024. Molecular and serological evidence of chikungunya virus infection with high case fatality among pediatric population with acute encephalitis syndrome: first report from Eastern Uttar Pradesh, India. European Journal of Clinical Microbiology & Infectious Disease. 43(6), 1205-1212. <https://doi.org/10.1007/s10096-024-04817-8> (IF -4.5).
11. Bhardwaj, P., Yadav, V., Sharma, A., Behera, S.P., Dwivedi, G.R., Deval, H., Paluru, V., Murhekar, M., and Singh, R., 2024. Integration of IgM ELISA and 56 kDa gene PCR for management of pediatric acute encephalitis syndrome cases associated with scrub typhus. Infectious Diseases Now. 5(2), 104865. <https://doi.org/10.1016/j.idnow.2024.104865> (IF -3.5).
12. Bhardwaj, P., Nanaware, N.S., Behera, S.P., Kulkarni, S., Deval, H., Kumar, R., Dwivedi, G.R. Kant, R., and Singh, R., 2023. CRISPR/Cas12a-Based Detection Platform for Early and Rapid Diagnosis of Scrub Typhus. Biosensors. 13(12), 1021. <https://doi.org/10.3390/bios13121021> (IF -5.4).

****Corresponding author***

List of Research Projects undertaken

Title of Project	Source of Funds	PI/Co-PI	Budget (Rs)	Duration
<i>Development of CRISPR/Cas based isothermal detection platform for rapid and accurate diagnosis of Dengue and Chikungunya</i>	HRD, Department of Health Research, MoH&FW, New Delhi.	PI	47.65 Lakhs	2021 - 2024
<i>Development of multiplexed molecular point-of-care test for rapid and simultaneous diagnosis of Scrub typhus and Spotted fever group of Rickettsial Infections</i>	ICMR	Co-PI	1.63 Cr	2024 - 2026
<i>Development of 3D printed integrated microfluidic device for multiplex detection of Pan dengue serotypes</i>	ICMR	Co-PI	3.48 Cr	2026 - 2027
<i>Development of a Rapid and Reliable Nucleic Acid Lateral Flow Immunoassay for Detecting Chlamydia trachomatis</i>	ICMR	Co-PI	30 Lakhs	2026 - 2028