



## **Dr. Keshar Kunja Mohanty**

### **Scientist-G**

Dr. Keshar Kunja Mohanty, holds the position of Scientist-G in the Division of Immunology. She has 32 years of post-PhD research experience in the field of infectious diseases (TB, HIV/AIDS, and Leprosy). She has carried out several extra and intra-mural projects as PI and Co-PI. She has supervised and co-supervised 14 PhD and postdoctoral scholars, and 10 MD students as well as trained more than 300 MSc, M.Tech, and B.Tech students for their dissertation work. She has 60 publications in national and international journals. She is the corresponding author for 57 gene sequences that have been characterized from 57 HIV isolates, 9 archived DNA sequences from 9 different people have been deposited in the NCBI gene bank with gene bank accession numbers. She is the recipient of the Dr. Manubhai Patel Award, the Best Poster Presentation Award, and the Immunology Foundation Award for best paper presentation at various conferences. She presented research papers delivered invited talks, and acted as a panellist in more than 65 National and International Conferences. She is an active member of the Indian Association of Leprologists and Indian Immunology Society and held several positions as an office bearer for these professional societies. She is actively involved in various academic activities as an Examiner, paper setter, and examiner for PhD thesis, MSc, and BSc courses at various Universities. She is involved in several Institute/Nation Building Activities. I adore practicing yoga, meditation, and pranayam.

### **Google scholar:**

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



**Dr. Deepa Bisht**  
**Scientist F**

Dr. Deepa Bisht obtained her M.Sc (Biochemistry) from G.B. Pant University of Agriculture & Technology, Pantnagar and PhD (Biotechnology) from CSIR-Institute of Microbial Technology, Chandigarh (Panjab University). She was the recipient of NET-CSIR fellowship during PhD tenure. She joined ICMR-NJIL&OMD, Agra as Research Officer in 2001 and presently working as Scientist F with specialization in mycobacterial proteomics. She has received extramural funding from national agencies like DST (FAST TRACK scheme for Young Scientists), DBT, ICMR etc. She is also coordinating a multi-centric project as Nodal Officer on diet and biomarkers survey and looking after the scientific and administrative activities of MRHRU, Una. She has 85 publications with h-index 24 and has received awards for her work. She has been invited to deliver lectures at international forums & Women Science Congress. She has mentored six PhD students and is an expert member of various committees.

**Google scholar:**

<https://scholar.google.com/citations?user=xkFv8o8AAAAJ&hl=en>



**Dr. Devendra Singh Chauhan**  
**Scientist F**

Dr. Devendra Singh Chauhan is a Scientist-F and the Head of the Department of Microbiology and Molecular Biology at the ICMR-National JALMA Institute for Leprosy and Other Mycobacterial Diseases in India. He possesses more than 30 years of extensive research experience in Mycobacterial diseases especially tuberculosis.

Dr. Chauhan has contributed to various facets of mycobacterial disease including public health, molecular epidemiology, host-pathogen interactions, genomics, and the development of diagnostic methods. He significantly enriched the field by filing five patents and publishing more than 160 research papers in distinguished scientific journals. He devised methodologies (in-house designed fluorescence resonance energy transfer probes based real-time PCR assays) and played a crucial role in assessing various indigenous technologies (i.e. Truenat® MTB, Truenat® MTB-RIF, PathoDetect™ MTB RIF and the INH drug resistance kit) aimed at the rapid diagnosis of drug-resistant tuberculosis in India. His current research is dedicated to the development of new diagnostic approaches for comprehensive drug TB profiling for early diagnosis, patient selection and surveillance of drug resistance- TB in India.

**Google scholar:**

<https://scholar.google.com/citations?user=mOgxuywAAAAJ>



**Dr Raj Kamal**  
**Scientist F**

I was inducted as a Clinician in the clinical division of the institute since 2001. Responsibilities assigned to the post were to provide specialized clinical and medical services to the patients attending outpatients department and admitted in ward of our institute during routine and emergency duties in the hospital of the institute.

Head Clinical division since 2013- spent significant time in supervising and regulating all the matters of employees of clinical division of the institute for effective management & maintenance of the efficient patients care services.

Impacts on public health & achievements- Under my supervision thousands of patients of Leprosy, TB and other disorders were cured of all age group from pediatric to geriatric. Many of these patients were prevented to develop deformities, Many lives were saved during my routines and emergency clinical duties, Thousands of TB Cases of both (CAT-1, CAT-II) effectively diagnosed, treated according to RNTCP Guidelines & cured, Many MDR- cases from Suspect have been identified and treated according to RNTCP Guidelines & cured, Natural history & clinical presentation of thousands of HIV Positive patients was observed after thorough clinical examination, many reconstructive surgical camps were organized in the institute for reconstructive surgeries from time to time for correction of hand feet & Eye deformities of PAL and the leprosy caused deformities were corrected effectively.

- As a Clinical Researcher handled total 30 Projects as principal investigator and as a co-investigator
- Two promising regimens have been developed for future recommendation from the Therapeutic trial conducted at our institute. The dosing schedule of MIP Vaccine trial is recently implemented in to public health system to reduce the burden of leprosy in high endemic
- Published more than 26 papers with more than 230 citations and in International journal & National journals with average 2 impact factor.
- Imparting training, teaching, and research guidance as a faculty for annual human resource development programme of the institute to Medical officers /Post graduates

MD Students / Health workers/ ASHAs/ Nursing attendants / PhD / MSc/and other research students. 29 students of MD (Pediatrics) have completed their Thesis work under guidance, 5 students of MD (Pediatrics) have ongoing thesis work and to be completed in next 2 years, 16 Dissertation work of MSc student Completed.

Administrative work. Contributing significant time of my duties for promotion and development of facilities and activities as a Chairperson, Nodal officers and as a member of various committees of the institute.

**Google scholar:**

<https://scholar.google.com/citations?hl=en&user=qxNvZK8AAAAJ>



**Dharmendra Singh**  
**Scientist E**

Dharmendra Singh is the Scientist -E in the Department of Biochemistry. He was joined in ICMR as a Junior Research Fellow in 1997 in the department of Microbiology and Molecular Biology, ICMR-NJIL&OMD, Agra. He has published more than 60 publications include many scientific papers in renowned International and National journals, and one book chapter. He has attended more than 20 National and 10 International conferences, symposiums and workshops and presented research papers on various infectious diseases. He has awarded Mumbai-Belgaum prize in 42nd MICROCON conference which was organized by Medical Microbiology Society of India at NIMHANS, Bangaluru in 2018. He has also developed non-invasive diagnosis of visceral leishmaniasis and post-kala azar dermal leishmaniasis (PKDL) from sputum, urine and sweat samples. He has been working on various diagnostic aspects of leprosy and tuberculosis. His major present focus is on elimination of tuberculosis, drug resistant of tuberculosis with special emphasis among silica-dust exposed workers.

**Google scholar:**

<https://scholar.google.com/citations?user=VbuQO5kAAAAJ&hl=en&oi=ao>



**Dr. Avi Kumar Bansal**  
**Scientist E**

Dr. Avi Kumar Bansal is a public health physician by qualification, with his work dedicated to combating Tuberculosis (TB) and Leprosy. His focus is quantitative epidemiology, interventional studies, and implementation research to drive improvements in TB and Leprosy control programs. He has authored, secured funding for and implemented large-scale, multi-centric projects, significantly impacting program performance. He has been awarded the prestigious National Award for e-Governance (Silver) for Outstanding Research on Citizen Centric Services by Academic/Research Institutions and the BMJ South Asia award 2018 for the Infectious Disease Initiative of the Year for his work on improving the reach of diagnostic services for TB in tribal areas. He has contributed to development of various guidelines for the TB program and is a member of the National Research Committee of the NLEP. He is also on board of the Research Advisory Committee for MRUs at UPUMS, Saifain and SNMC, Agra. He is having more than 50 publications in reputed medical journals, both National and International.



**Dr. Mamta Arora**  
**Scientist E**

Dr. Mamta Arora is a clinician initially trained in Obst & Gynec; working in this Institute for last 22 years and has been providing medical services to leprosy patients / managing Reactions/ complications of disease by timely detection and using standard and new drugs with utmost care to females of all groups to prevent complications of disease in pregnancy/lactation and in menopause.

She is involved in studying different techniques, therapeutic and immunotherapeutic approaches and molecular tools for monitoring and improvement of treatment in Leprosy. Her major focus is in prevention of deformity in leprosy patients coming to the Institute by early detection of “Nerve function Impairment” by Nerve conduction Tests, supervised early detection of reactions/neuritis and management by Prompt suitable treatment with steroids, physiotherapy and use of static and dynamic suitable splints. She is also involved in supervising and guiding M.Sc Dissertation training and in projects of short-term studentship programme of ICMR. Her present focus is in clinical trial for treatment reactions in Leprosy.

**Google scholar:**

<https://scholar.google.com/citations?hl=en&pli=1&user=m3BNwawAAAAJ>