

Scientist Profile

1. **Name of the Scientist:** Dr. Vimal Kumar
2. **Designation:** Scientist-C (Veterinary)
3. **Division:** Experimental Animal Facility Division
4. **Official E-mail address:** vimal.kr@icmr.gov.in
5. **Qualifications:** M.V.Sc., Ph.D
6. **Research interests:** Tuberculosis & Leprosy (Development of Animal models, Pre-clinical studies, Vaccine trials, DST).
7. **Research experience (in Years):** >10 years
8. **H-index:** 13
9. **Total number of Publications:** >25
https://scholar.google.com/citations?view_op=list_works&hl=en&user=WhsHhV0AAA
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10. **Patents (Filed/ Awarded):** Nil

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

S. No.	Title	Funding Agency	Period
1	Development of a nano-particle based vaccine against experimental tuberculosis.	AMU, Aligarh	2023-2025
2	Potential of nanoparticle-based vaccines in imparting protection against intracellular infection.	AMU, Aligarh	2023-2025
3	A study to evaluate the efficacy, safety, pharmacokinetics pharmacodynamics of Bedaquiline based regimen in Multibacillary leprosy not responding to WHO-Multidrug Therapy (MDT MBR).	PGIMER, Chandigarh	2023-2025
4	A facile biomaterial based local antibiotic delivery treatment regime to treat spine and osteoarticular tuberculosis.	IIT, Kanpur	2023-2024
5	N2B (Nose-to-Brain) delivery of anti-TB	ICMR, New Delhi	2021-2024

	drugs using particulate drug delivery system to ameliorate Tuberculous Meningitis (TBM) and enhance functional recovery		
6	Development of mice models for amyloidosis: A rare disease	ICMR, New Delhi	2019-2023
7	Identifying the host substrate/s for the mycobacterial virulence factor Protein kinase G, its functional characterization in context of mycobacterial survival.	DBT, New Delhi	2018-2021
8	Immune enhancement using sulfated polysaccharides isolated from marine algae (Seaweeds) against <i>Mycobacterium tuberculosis</i> .	DST-ECR, New Delhi	2018-2020

12. Awards/ Recognitions/Honors:

S. No	Award Details	Awarded by	Year
1	ICMR-DHR International Fellowship for Young Biomedical Scientists (Long term)	ICMR-DHR, New Delhi, India	2024
2	Best Oral Presentation Award	AAHP, Pune.	2014
3	Certificate of Appreciation	Indian Veterinary Research Institute (IVRI), Izatnagar, Bareilly.	2013
4	Award of Honor	Indian Veterinary Research Institute (IVRI), Izatnagar, Bareilly.	2013
5	M-Cept Merit Award	Alembic Pharmaceuticals	2009
6	Felicitation for Academic Excellence	Mhow Veterinary College, Indore., MP.	2009

13. Academic activities (Last five years)

Member of scientific societies/ bodies / committees- 01 Indian Association of Leprologists (Life time Member))

- Conference/ Webinar/ Workshop/ Training organized- 01
- No. of Conference/ Webinar/ Workshop/ Training attended- >15
- No. of invited lectures delivered: > 02
- No of students supervised: (Ph.D....., MD....., M.Tech / M.Sc.....)

PhD: 2 as Co-Co-supervisor

M.Sc.: 10