

Brief Profile

Name	Dr. Mradul Mohan
Current Designation	Scientist C
Research Discipline	Host-Parasite Interaction
Department / Division	Immunology
Date of joining the current post	01/09/2020
Date of joining ICMR	30/08/2017
Official E-mail ID	mohan.mradul@icmr.gov.in
Educational Qualification	Ph.D
Research experience (in years):	Nine Years
Research Interest/Thrust Areas	
Infection Biology, Host-Parasite Interaction, Immunology and Drug Delivery Systems	
Number of projects handled as:	
Principal Investigator - 04	
Co-Principal Investigator - 02	
Co-investigator- 02	
Number of doctorate / post-doc students mentored	
As Guide - 01	
As Co-guide - 01	
List of significant publications (Please give the details of the publications in APA format)	
<ol style="list-style-type: none"> 1. Ranjha, R., Bai, P., Singh, K., Mohan, M., Bharti, P. K., & Anvikar, A. R. (2024). Rethinking malaria vaccines: perspectives on currently approved malaria vaccines in India's path to elimination. <i>BMJ global health</i>, 9(8), e016019. https://doi.org/10.1136/bmjgh-2024-016019 2. M., Singh, K., Kumar, J., Bharti, P. K., & Anvikar, A. R. (2024). Time to implement tailored interventions in Chhattisgarh, east-central India to reach malaria elimination. <i>Journal of vector borne diseases</i>, 61(2), 151–157. https://doi.org/10.4103/jvbd.jvbd_167_23 3. Harit, R., De, S., Singh, P. K., Kashyap, D., Kumar, M., Sahu, D., Yadav, C. P., Mohan, M., Singh, V., Tomar, R. S., Pandey, K. C., & Vashisht, K. (2024). Association of the C allele of rs479200 in the EGLN1 gene with COVID-19 severity in Indian population: a novel finding. <i>Human genomics</i>, 18(1), 7. https://doi.org/10.1186/s40246-024-00572-1 4. Ranjha, R., Singh, K., Baharia, R. K., Mohan, M., Anvikar, A. R., & Bharti, P. K. (2023). Age-specific malaria vulnerability and transmission reservoir among children. <i>Global pediatrics</i>, 6, None. https://doi.org/10.1016/j.gped.2023.100085 5. Nain, M., Gill, J., Mohan, M., & Sharma, A. (2023). Single-Nucleotide Polymorphisms in Glucose-6-Phosphate Dehydrogenase and their Relevance for the Deployment of Primaquine as a Radical Cure for Malaria. <i>The American journal of tropical medicine and hygiene</i>, 108(3), 470–476. https://doi.org/10.4269/ajtmh.22-0468 6. Chaturvedi, R., Mohan, M., Kumar, S., Chandele, A., & Sharma, A. (2022). Profiles of host immune impairment in Plasmodium and SARS-CoV-2 infections. <i>Heliyon</i>, 8(12), e11744. https://doi.org/10.1016/j.heliyon.2022.e11744 7. Nain, M., Mohan, M., & Sharma, A. (2022). Effects of Host Genetic Polymorphisms on the Efficacy of the Radical Cure Malaria Drug Primaquine. <i>The American journal of tropical medicine and hygiene</i>, 106(3), 764–767. 	

<https://doi.org/10.4269/ajtmh.21-1115>

8. Sarangi, A., Das, B. S., Patnaik, G., Sarkar, S., Debnath, M., Mohan, M., & Bhattacharya, D. (2021). Potent anti-mycobacterial and immunomodulatory activity of some bioactive molecules of Indian ethnomedicinal plants that have the potential to enter in TB management. *Journal of applied microbiology*, 131(4), 1578–1599. <https://doi.org/10.1111/jam.15088>
9. M., Agrawal, A. K., Gupta, A., Dwivedi, A. K., Gupta, P., Gupta, U. D., Mani, U., Chaudhari, B. P., Murthy, R. C., Sharma, S., Bhadauria, S., Singh, S., Rath, S. K., & Misra, A. (2021). Inhalable particles containing isoniazid and rifabutin as adjunct therapy for safe, efficacious and relapse-free cure of experimental animal tuberculosis in one month. *Tuberculosis (Edinburgh, Scotland)*, 128, 102081. <https://doi.org/10.1016/j.tube.2021.102081>
10. Mohan, M., & Bhattacharya, D. (2021). Host-directed Therapy: A New Arsenal to Come. *Combinatorial chemistry & high throughput screening*, 24(1), 59–70. <https://doi.org/10.2174/1386207323999200728115857>
11. Mohan, M., Cherian, J. J., & Sharma, A. (2020). Exploring links between vitamin D deficiency and COVID-19. *PLoS pathogens*, 16(9), e1008874. <https://doi.org/10.1371/journal.ppat.1008874>

Achievements/Awards/Additional Information

1. Indian Vaccinology Course Scholarship to attend International Vaccinology Course at Seoul, South Korea, from September 11-15, 2023.
2. Travel grant from Research institute of Science and Technology, Tokyo University of Science, for young Scientist to attend Inhaled therapies for Tuberculosis in Tokyo, Japan from October 1-3, 2013.
3. DBT international Travel grant award for young Scientist to attend International Congress of Immunology in Milan, Italy from August 22-27, 2013.
4. Bill and Milinda Gates Travel Grant Award for Young Immunologists to attend International Congress of Immunology in Milan, Italy from August 22-27, 2013.

Signature

(Mradul Mohan)