

Brief Profile



Name	Sanjeev Kumar Gupta
Current Designation	Principal Technical Officer
Research Discipline	Information Technology in surveillance of vector-borne diseases
Department / Division	Vector Biology and Control
Date of joining the current post	01.04.2023
Date of joining ICMR	20.02.1998
Official E-mail ID	guptask.nimr@gov.in
Educational Qualification	M.Sc. & MCA
Research experience:	More than 25 years
Research Interest/Thrust Areas	
<ul style="list-style-type: none">• Geographic Information System: Heat maps and hotspot analysis visually identify spatial patterns, assisting in informed decision-making for resource allocation and intervention strategies.• Mobile App based real-time data capturing: Streamline field surveys in near real-time, geo-referenced, ready-to-analyze data enhancing efficiency and data accuracy.• Dashboard: Offers real-time insights into survey processes, optimizing decision-making and improving survey quality.	
Number of projects handled as:	
Principal Investigator – None	
Co-Principal Investigator – 2	
Co-investigator – 10	
List of significant publications	
<ol style="list-style-type: none">1. Singh, H., Akhtar, N., & Gupta, S. K. (2024). Biology of Mosquitoes. In Mosquitoes: Biology, Pathogenicity and Management (pp. 141-163). Singapore: Springer Nature Singapore.2. Gupta, S. K., Singh, H., Joshi, M. C., & Sharma, A. (2023). Digital dashboards with paradata can improve data quality where disease surveillance relies on real-time data collection. <i>Digital Health</i>, 9, 20552076231164098.3. Yadav, C. P., Hussain, S. S. A., Gupta, S., Bharti, P. K., Rahi, M., & Sharma, A. (2023). Tracking district-level performance in the context of achieving zero indigenous case status by 2027. <i>PLOS Global Public Health</i>, 3(1), e0001292.4. Gupta, S. K., Saroha, P., Singh, K., Saxena, R., Barman, K., Kumar, A., & Sharma, A. (2022). Malaria epidemiology along the Indian districts bordering Bhutan and implications for malaria elimination in the region. <i>The American Journal of Tropical Medicine and Hygiene</i>, 106(2), 655.5. Yadav, C. P.*, Gupta, S.*, Bharti, P. K., Rahi, M., Faizi, N., & Sharma, A. (2022). India may need an additional metric to assess the endemicity of malaria in low surveillance districts. <i>PLOS Global Public Health</i>, 2(11), e0000326.6. Kumar, G.*, Gupta, S. K.*, Rahi, M., & Sharma, A. (2022). Challenges in understanding the bionomics of Indian malaria vectors. <i>The American Journal of Tropical Medicine and Hygiene</i>, 107(5), 1005.	

7. **Gupta, S. K.**, Nagpal, B. N., Singh, H., Vikram, K., Nayak, A., Chalga, M. S., ... & Saxena, R. (2021). Mobile app based pictorial identification key for Indian anophelines. *Journal of Vector Borne Diseases*, 58(4), 306-310.
8. **Gupta, S. K.**, Saroha, P., Vikram, K., Tuli, N. R., Singh, H., Saxena, R., ... & Joshic, M. C. (2018). A geostatistical study to prioritize dengue-affected areas for implementation of effective control by municipal corporations of Delhi, India. *Dengue Bulletin*, 40, 153.

Achievements/Awards/Additional Information

- Interviewed in MERA-India Newsletter – December 2021 Issue
- 1st Runner-Up Prize in ICMR nominated 3-day exhibition "Sanrachna 2019" in Dec 2019.