Brief Profile

Name	Dr Sweta Bhan
Current Designation	Scientist-C
Research Discipline	Malaria and other VBDs
Department/Division	Molecular Biology
Official E-mail ID	Sweta.bhan@icmr.gov.in
Educational Qualification	M.Sc., Ph.D
Research Experience (in years)	10 years

Research Interest/thrust Area

- Vector borne diseases and Zoonotic diseases.
- Integrated biological and environmental management approaches for vector control.
- Epidemiology and control strategies for vector-borne diseases.
- Vulnerability and receptivity to malaria transmission and its elimination.
- Bionomics of malaria vectors with a focus on transmission dynamics and elimination strategies.
- Evaluation of vector surveillance tools and effectiveness of vector control products.
- Vector competence studies and molecular surveillance of vector-borne diseases.
- Malaria elimination and One Health.
- Public Health Entomology

Number of Projects Handled

Number of Doctorate/post-doc students awarded

List of significant publications (please give the details of the publications in APA format)

1. Study of Aedes larval density in Alwar district, Rajasthan, India. Sweta Bhan and Lalthazuali. International Journal of Mosquito Research 2021; 8(6): 01-06.

2. Entomological assessment of malaria outbreak in Bareilly and Budaun districts of Uttar Pradesh, India. Sweta Bhan, Lalthazuali, Abhay K Sharma, Thekkevilayil G Thomas and Ram Singh. International Journal of Mosquito Research 2020; 7(5): 53-59

3. Entomological Survey of Vectors of Scrub Typhus in Haulawng, Lunglei District, Mizoram, India. Lalthazuali, Sharma AK, Thomas TG, Sweta Bhan, Bhadauriya AS, Ramteke PU. J Commun Dis 2020; 52(2): 13-17.

4. Larval density of Aedes mosquitoes in NCR during monsoon season. Lalthazuali, Sweta Bhan, Sukhvir Singh and Purnima Shrivastava. International Journal of Zoology and Applied Biosciences. 2020. 5 (5): 236-241.

5. Post flood vector borne disease surveillance: An experience from Malappuram district of Kerala, India in 2018. Lalthazuali, Sweta Bhan, TG Thomas and Ram Singh. International Journal of Mosquito Research 2020; 7(5): 01-06.

6. Entomological Survey for Aedes Species at Deendayal Seaport, Kandla Gujarat India during Pre-Monsoon Period, 2018. Bhadauriya AS, Shilpi Dhan, Ramteke PU, Sweta Bhan, Lalthazuali, Rina kumawat, Ram Singh and Arun Chauhan. Journal of Communicable Diseases.2020; 52(4): 35-38.

7. Vector Surveillance for Dengue, Chikungunya, Zika Virus and Yellow Fever at Three Blocks of Pakur Districts of Jharkhand, India. Ved Parkash, Sunita Patel, Sweta Bhan and TG Thomas Journal of Communicable Diseases.2020; 52(4): 77-80.

Achievements/Awards/Additional information

- Contributed to the Malaria Programme Review and development of the National Strategic Plan (2027-2030).
- Actively involved in outbreak investigations for vector-borne diseases (Malaria, Dengue, Zika) from 2018 to 2023.
- Successfully conducted Phase III evaluation of DuraNet LLINs against malaria vectors across three eco-epidemiological settings in India.
- Formulated advisories for preparedness against vector-borne disease outbreaks, vector surveillance, and control strategies.
- Engaged in contact tracing and surveillance of COVID-19 at the Central Surveillance Unit, Integrated Disease Surveillance Programme (IDSP).
- Honored with the COVID Appreciation Certificate during the 112th Institute Day celebration on 30th July 2021 at NCDC Delhi, for contributions during the COVID-19 pandemic.