



XV ANNUAL CONFERENCE of Indian Society for Malaria and Other Communicable Diseases (ISMOCDD)

In Collaboration With

ICMR-National Institute of Malaria Research, Delhi
&
Municipal Corporation of Delhi

**Theme: *Climate Change and Growing Threat
of Vector Borne Diseases***

(31st Jan-2nd Feb 2025)

Scientific Programme

Venue: ICMR-NIMR, Sector-8, Dwarka, Delhi



**XV Annual Conference of Indian Society
for Malaria and Other Communicable Diseases
(31st Jan-2nd Feb 2025)
ICMR-National Institute of Malaria Research, Delhi**

Scientific Programme

DAY 1 (31.01.2025)		
Time	Activity	Speaker
08:30 – 10:00 Hrs	Registration	ICMR-NIMR/ MCD
10:00 – 11:30 Hrs	Inaugural Session & Key Note Address	Dr. Vinod K. Paul, NITI Aayog
11:30 – 12:00 Hrs	High Tea	
1. Plenary Session: Climate Change and Its Impact on VBDs (Auditorium) Sponsor: India Health Fund (IHF) Chair: Dr. Sujeet Kumar Co-Chair: Dr. Nirmal Joe Rapporteur: Dr. Alex Eapen		
12:00 – 12:30 Hrs	National Strategic Plan 2023-27 for Malaria Elimination: A Vision Document to Achieve Malaria Elimination by 2030 in Sync with Sustainable Development Goals	Dr. Tanu Jain
12:30 – 13:30 Hrs	Leveraging Technology and Innovation to Strengthen Health Systems' Adaptation to Climate Change and Combat Vector-Borne Diseases – Panel Discussion	Dr. Tanu Jain Dr. Anup Anvikar Dr. Ujjwala Oturkar Mr. Himanshu Sikka Dr. Rajpal Yadav Dr. Poornima Prabhakaran Dr. Raghavendra Rao - Moderator
13:30 – 14:30 Hrs	Lunch	
2. Technical Session: Elimination of VBDs (Auditorium) Sponsors: Piramal Foundation/ ABC/ KEF Chair: Dr. Pranab Jyoti Bhuyan Co-Chair: Dr. Naveen Rai Tuli Rapporteur: Dr. Jyoti Das		
14:30 – 14:45 Hrs	The Future of Malaria Elimination: Harnessing Innovative Tools and Technologies	Dr. Neena Valecha

14:45 – 15:00 Hrs	Adopting One Health Approach for Tackling Epidemics and Pandemics	Dr. Nivedita Gupta
15.00 – 15.15 Hrs	India's – Malaria Mission: Accelerating Progress towards Malaria Elimination	Dr. Roop Kumari
15:15 – 15:30 Hrs	Climate Change and Lyme Disease in India: Current Status and Public Health Implications	Dr. Rina Tilak
15:30 – 15:45 Hrs	Molecular Xeno-Monitoring of the Vector Borne Diseases Makes Sense and Needed	Dr. Ashwani Kumar
15:45 – 16:00 Hrs	Addressing Climate Change and Changing Pattern of Vector-Borne Diseases: Leveraging City-Based Interventions	Dr. Poornima Prabhakaran
14:30 – 16:00 Hrs	3. Technical Session & Oral Presentations (Conference Hall) Sponsor: Ajay Bio-Tech (India) Ltd. Chair: Dr. Rajiv Tandon Co-Chair: Dr. Sukhvir Singh Rapporteur: Dr. Rajni Kant Dixit	
Invited Talks		
14:30 – 14:45 Hrs	An Examination of Species-Specific Mosquito Vector Control Access Using the Essential Functions of the Male Accessory Reproductive Glands (MARG)	Dr. Parasuraman Basker
15:00 – 15:15 Hrs	Climate, Mosquitoes and Mosquito-Borne Diseases: An Indian Perspective	Dr. Pratip Shil
15:15 – 15:30 Hrs	Science of Malaria Elimination: Lessons from the Malaria Elimination Demonstration Project (MEDP) and Implications for the Asia Pacific	Dr. Harsh Rajvanshi
Oral Presentations		
15:30 – 15:40 Hrs	Impact of Climate Change on Vector Borne Disease: A Case Study of Dengue, Chikungunya, and Other Infections in Village Kheda Madhopur, Dewas District Madhya Pradesh	Mr. Shailendra Kumar Singh
15:40 – 15:50 Hrs	Panel Data Modelling for Determining Climate Change Impact on Dengue across States in India: A Data Science Project	Dr. Gurpreet Singh
15:50 – 16:00 Hrs	Endectocidal Efficacy of Isoxazoline Drugs against Dengue Vector <i>Aedes aegypti</i>	Dr. Daniel Reagan
16:00 – 16:30 Hrs	Tea	
14:30 – 16:30 Hrs	4. Poster Session (Poster Gallery) Judges: Dr. Rajni Kant Srivastava Dr. Shaukat Kamal Dr. Pravin Kumar Atul	
16:30 – 18:30 Hrs	5. Technical Session (Auditorium) Sponsor: ENVU Chair: Dr. Rina Tilak Co-Chair: Dr. O. P. Singh Rapporteur: Dr. Nitika	

16:30 – 16:50 Hrs	Building a Climate Smart Malaria Elimination Strategy: India Perspective	Dr. P. K. Sen
16:50 – 17:10 Hrs	Are We Really Tackling the Issues on Eliminating VBDs?	Dr. P. K. Srivastava
17:10 – 17:30 Hrs	Public-Private-Partnership for Combating Malaria: Malaria Elimination Demonstration Project, Mandla, MP	Dr. Azadar Khan
17:30 – 17:50 Hrs	Implications of Insecticide-Resistant Malaria Vectors on Vector Management and Disease Elimination	Dr. K. Raghavendra
17:50 – 18:10 Hrs	<i>Plasmodium vivax</i> Elimination in India: Status, Issues and Way Forward	Dr. Suman Wattal
18:10 – 18:30 Hrs	Discussion	
16:30 – 18:30 Hrs	6. Oral Presentations (Conference Hall) Sponsor: V. K. A. Polymers Pvt. Ltd. Chair: Dr. Som Shekhar Co-Chair: Dr. H. C. Vani Rapporteur: Dr. Arun Chauhan	
16:30 – 16:40 Hrs	Human Activity, Urbanization, Climate Change, and Rising Threats of Dengue & Chikungunya: A Vector Borne Disease Perspective	Dr. Alok Suman Sharma
16:40 – 18:50 Hrs	A Comparative Assessment of the Distribution of Tick and Mosquitoes and the Risk of Arboviral Disease Transmission in Response to Climate Change	Dr. R. Balasubramanian
16:50 – 17:00 Hrs	Appropriateness of In-Vivo Test Systems in Malaria Research	Dr. Pravin Kumar Atul
17:00 – 17:10 Hrs	Knowledge, Attitude and Practice for Dengue Prevention and Control Adopted by Children of Primary School of Central Zone, Municipal Corporation of Delhi, after School Based Health Education	Mr. Prithvi Raj Singh
17:10 – 17:20 Hrs	Climatic and Entomological Factors Contributing to <i>Aedes</i> -Borne Infections in a Hot-Spot Region	Dr. Sreelakshmi P. R.
17:20 – 17:30 Hrs	Pacifastin, a Protease Inhibitor Controlling the Physiology of Blood Feeders	Ms. Renuka Harit
17:30 – 17:40 Hrs	Trade-Offs in Resistance Evolution: Impact of Acetamiprid on Fitness and Development in <i>Aedes aegypti</i>	Dr. Roopa Rani Samal
17:40 – 17:50 Hrs	Trends of Malaria in Madhya Pradesh from 2019-2023	Dr. Kapil Prajapati
17:50 – 18:00 Hrs	Silent Spreaders: A Comprehensive Review of Asymptomatic Malaria Prevalence and Its Public Health Burden in India (A Review of Existing Literature)	Dr. Yeluri Sudeepa Libny
18:00 – 18:10 Hrs	Optimizing Malaria Diagnostic Efforts in India: A Retrospective Analysis of Testing Trends and Resource Allocation	Dr. Syed Ashish E. A.
18:10 – 18:20 Hrs	Performance Characteristics of STANDARD Q Filariasis Antigen Test (QFAT) to Detect Filarial Antigens of <i>Wuchereria bancrofti</i> in the Field	Dr. Dinesh R. J.
18:20 – 18:30 Hrs	Discussion	

19:00 Hrs Onwards	Cultural Programme & Dinner	
DAY 2 (01.02.2025)		
Time	Activity	Speaker
09:30 – 11:00 Hrs	7. Plenary Session: Emerging and Re-Emerging Diseases (Auditorium) Sponsor: Altona Diagnostics Chair: Dr. Munish Chander Co-Chair: Dr. R. Rajendran Rapporteur: Dr. Ajeet Mohanty	
09:30 – 09:50 Hrs	Transforming Disease Prevention through Cutting-Edge Entomological Monitoring and Integrated Vector Management	Dr. Kalpana Baruah
09:50 – 10:10 Hrs	Mapping Ixodid Tick Diversity and Predicting Distribution Patterns in Domestic Ruminants of Tamil Nadu Using Ensemble Models	Dr. A. N. Shriram
10:10 – 10:30 Hrs	Climate, Climate Variability and Climate Change Impacts on Vector Borne Diseases	Dr. R. C. Dhiman
10:30 – 10:50 Hrs	Bio-Surveillance of Ticks: A Critical Intervention for Diseases of Bio-Threat Importance	Dr. Sachin Tikar
10:50 – 11:00 Hrs	Discussion	
11:00 – 11:30 Hrs	Tea	
11:30 – 13:30 Hrs	8. Plenary Session: Evolutionary Molecular Biology (Auditorium) Sponsor: HIL (India) Limited Chair: Dr. R. S. Sharma Co-Chair: Dr. B. N. Nagpal Rapporteur: Dr. Prashant Kumar Mallick	
11:30 – 11:45 Hrs	Clinical Significance of Identified Potential Biomarkers for Early Prediction of Severity in Dengue Paediatric Population	Dr. Rashmi Rana
11:45 – 12:00 Hrs	Scrub Typhus - A Neglected yet Fastest Emerging Vector Borne Disease: Reason for Public Health Concern	Dr. Rajni Kant Srivastava
12:00 – 12:15 Hrs	Malaria Exposure Predisposes to Hypertension Risk - Evidence from India	Dr. Abhinav Sinha
12:15 – 12:30 Hrs	Recent Advancements in Vector Control Technologies	Dr. Neera Kapoor
12:30 – 12:45 Hrs	Potential Molecules of Utility in Malaria: Clues from Ex-Vivo Transcriptomic Networks	Dr. Ashis Das
12:45 – 13:00 Hrs	Differentially Expressed miR-3158-3p MicroRNA in Severe Malaria: From Discovery to Validation	Dr. Himanshu Gupta
13:00 – 13:30 Hrs	Discussion	

13:30 – 14:30 Hrs	Lunch	
14:30 – 16:00 Hrs	9. Technical Session: Vector Biology and Control (Auditorium) Sponsors: V. P. & SONS/ TCI Foundation Chair: Dr. Roop Kumari Co-Chair: Dr. Vineeta Singh Rapporteur: Dr. Kuldeep Singh	
14:30 – 14:50 Hrs	Vector Control Needs for Elimination of Vector-Borne Diseases in India	Dr. Rajpal Yadav
14:50 – 15:10 Hrs	Challenges and Solutions for VBDs Control in MCD	Dr. L. R. Verma
15:10 – 15:30 Hrs	Role of Entomological Surveillance and Vector Control in Malaria Elimination in India	Dr. R. S. Sharma
15:30 – 15:50 Hrs	Vector Control – Lessons Learned and Way Forward	Dr. Susanta Kumar Ghosh
15:50 – 16:20 Hrs	Role of Community in the Effort to Eliminate Lymphatic Filariasis as a Public Health Problem	Dr. Bikas Sinha and Team
14:30 – 16:30 Hrs	10. Technical Session & Oral Presentations (Conference Hall 1) Sponsor: PulsFog (Royal Tradelinks Pvt. Ltd.) Chair: Dr. P. K. Srivastava Co-Chair: Dr. Ashish Dokras Rapporteur: Dr. Vaishali Verma	
Invited Talks		
14:30 – 14:45 Hrs	Heterocyclic Compounds with Antiparasitic Properties: Advancements and Applications	Dr. Brijesh Rathi
14:45 – 15:00 Hrs	Desert Malaria and the Challenges in Achieving the Target in India by 2027	Dr. B. K. Tyagi
15:00 – 15:15 Hrs	Recent Trends in Malaria Incidence in Kerala	Dr. R. Rajendran/ Dr. Sasi
15:15 – 15:30 Hrs	Discussion	
Oral Presentations		
15:30 – 15:40 Hrs	Eco-Friendly Methods to Control Mosquito Breeding by Odonate Species in Kalindi Biodiversity Park, Delhi: A Case Study	Mr. Naved Ahmed
15:40 – 15:50 Hrs	Mosquito OMICS: Correlating Molecular Codes of Mosquito-Microbe-Parasite and Disease Transmission	Dr. Rajnikant Dixit
15:50 – 16:00 Hrs	The Knowledge, Attitude and Practice of Community People on Dengue Fever in Rural Area of Delhi: A Cross-Sectional Study	Dr. Ajay Handa
16:00 – 16:30 Hrs	Tea	

16:30 – 18:00 Hrs	11. Technical Session: Innovations Strengthening under Public Health Programme (Auditorium) Sponsor: India Health Fund (IHF) Chair: Dr. Neelima Mishra Co-Chair: Dr. Subrata Sarkar Rapporteur: Dr. Lokesh Kori	
16:30 – 17:00 Hrs	Recent Advancement in Transmission Blocking Vaccine of Malaria	Dr. K. C. Pandey
17:00 – 18:00 Hrs	Case Study Presentations by IHF Portfolio Organizations	Representative from Ameliorate, Tract Now, Khushi Baby, Medprime
14:30 – 16:30 Hrs	12. Poster Session (Poster Gallery) Sponsor: IDC Cementation India Judges: Dr. S. P. Ahir Dr. Ritesh Ranjha Dr. Piyoosh Kumar Singh	
17:30 – 18:00 Hrs	GBM (ISMOCD) at NIMR Conference Hall	
16:30 – 18:00 Hrs	13. Oral Presentations (Conference Hall) Sponsors: Panchsheel Club/ Crown Plaza Chair: Dr. Rinku Sharma Co-Chair: Dr. Praveen Bharti Rapporteur: Dr. Ram Das	
16:30 – 16:40 Hrs	Developing Innovative Indigenous Diagnostics for Zoonotic Malaria	Dr. Kapil Vashisht
16:40 – 16:50 Hrs	Epidemiological Scenario of Leprosy in Urban Region of Pune: Lessons Learnt from Historical and Current Perspective	Dr. Vivek Anand
16:50 – 17:00 Hrs	Impact of Diflubenzuron and Diflubenzuron-Verapamil on Adult Emergence and Gene Expression Profiles of Four ABC Transporters in Laboratory and Wild-Caught Strains of <i>Aedes aegypti</i> L. (Diptera: Culicidae)	Mr. Manu Sankar
17:00 – 17:10 Hrs	Deciphering Novel Mechanism of Insecticide Resistance in the Indian Malaria Vector <i>Anopheles stephensi</i>	Mr. Jatin Kumar
17:10 – 17:20 Hrs	Functionalization of Polyester-Cotton Blend Fabric Using Nano-Emulsion of Bioderived Gamma Decalactone and Its Mosquito Repellency and Antimicrobial Activity	Mr. Gulshitab Aalam
17:20 – 17:30 Hrs	Exploring Polyols as Effective Components in Toxic Sugar Baits for Malaria Vector Control	Dr. Jaspreet Kaur
17:40 – 17:50 Hrs	Genome-Wide Discovery and Orthology Analysis of Long Non-Coding RNA Expression in Three Species of <i>Anopheles</i> Mosquito	Dr. Waseem Akram Malla

17:50 – 18:00 Hrs	Empowering Dengue Prevention: Vector Surveillance and Training in Puducherry's Industrial Hotspots and Medical Colleges	Dr. Srikanth S.
DAY 3 (02.02.2025)		
Time	Activity	Speaker
09:30 – 11:00 Hrs	14. Plenary Session: Novel Tools in Disease and Vector Surveillance (Auditorium) Sponsors: Eco-Biotrap/ Albake Chair: Dr. Kalpana Baruah Co-Chair: Dr. Himmat Singh Rapporteur: Dr. Rajendra Baharia	
09:30 – 09:50 Hrs	Chemical Degradation Identified Human p38-MAPK by a Proteolysis-Targeting Chimera (PROTAC) Combat Parasitic Infection in Both Human and Vector	Dr. Shailaja Singh
09:50 – 10:10 Hrs	Parlance of Mosquito Systemics: From Classical to Molecular, the Journey has been Long	Dr. Jagbir Singh Kirti
10:10 – 10:30 Hrs	Progress towards Kala-Azar Elimination in Uttar Pradesh, India	Dr. Shaukat Kamal
10:30 – 10:50 Hrs	Mosquito Sounds: A Novel Approach for Mosquito Surveillance	Dr. D. S. Suman
10:50 – 11:00 Hrs	Discussion	
11:00 – 11:30 Hrs	Tea	
11:30 – 13:30 Hrs	15. Plenary Session: Public Private Partnership and Community Engagements (Auditorium) Sponsor: CAARA Chair: Dr. S. N. Sharma Co-Chair: Dr. Aniket Sirohi Rapporteur: Dr. Babita Bisht	
11:30 – 11:50 Hrs	Envu's Innovative Solutions for Public Health	Dr. Ashish Dokras
11:50 – 12:10 Hrs	Preserving Cry Toxins Gained Improved Bio-Efficacy in BTI Larvicides	Dr. Subrata Sarkar
12:10 – 12:30 Hrs	Eco-BioTraps: Lethal Ovitrap	Mr. Prasad Phadke
12:30 – 12:50 Hrs	Discussion	
12:50 – 13:30 Hrs	Closing Ceremony	
13:30 – 14:30 Hrs	Lunch	