ICMR | NIV
INDIAN COUNCIL OF MEDICAL RESEARCH
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NATIONAL INSTITUTE OF VIROLOGY

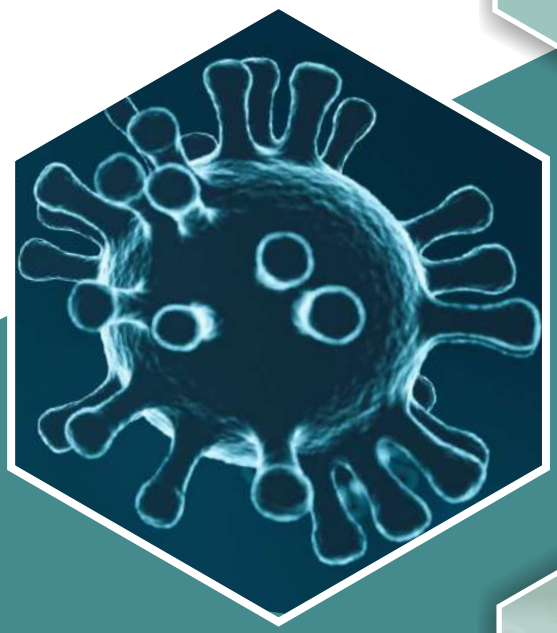
INDIAN VIROLOGICAL SOCIETY 1984

NIV RESEARCH FOUNDATION

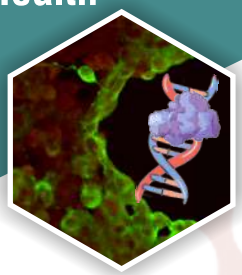
VIROCON 2025

8-10 DECEMBER 2025

Conrad Hotel, Pune
Maharashtra, India



Changing Landscapes in Human, Animal and Plant Viruses: Bridging Basic Science, Innovation and Public Health



virocon2025.org
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Organizers:

ICMR-National Institute of Virology, Pune, Maharashtra, India

Indian Virological Society, New Delhi, India

Supported by : NIV Research Foundation

VIROCON 2025

INVITATION

Dear Colleagues,

It is with immense pleasure and pride that we extend to you a warm invitation, on behalf of the Organizing Committee, to join us at ***"VIROCON 2025"*** *with the theme* ***"Changing Landscapes in Human, Animal and Plant Viruses: Bridging Basic Science, Innovation and Public Health****". The conference is jointly organized by the Indian Virological Society (IVS) and ICMR-National Institute of Virology (ICMR-NIV), Pune, Maharashtra along with NIV Research Foundation, from December 8 to 10, 2025.*

Organized under the aegis of the Indian Virological Society (IVS), this conference will bring together leading scientists, clinicians, public health professionals, industry partners, and students from across India and abroad, to deliberate on current and emerging viral threats, spanning human, animal and plant health under the One Health framework.

The COVID-19 pandemic and recent zoonotic and plant viral outbreaks have underscored the need for integrated, cross-sectoral research and response strategies. VIROCON 2025 aims to provide a vibrant platform for interdisciplinary knowledge exchange, showcasing recent scientific advancements, and fostering collaborations in the areas of genomics, diagnostics, vaccines and antivirals. The conference will include plenary lectures, oral and poster sessions, under themes such as "One Health and Pandemic Preparedness, Public Health and Agricultural Resilience, Development of Countermeasures and Basic Virology". Close interactions among virologists from across the globe will foster collaborative research on strengthening national preparedness, surveillance, and translational science for improved public, animal and plant health outcomes.

Your esteemed presence at VIROCON 2025 would be significant in advancing innovation and shaping evolving landscapes of virology in the country, South Asia, and globally.

We look forward to your acceptance of our invitation and hope to host you at this prestigious event.

Dr. Naveen Kumar
Director, ICMR-National Institute of Virology, Pune
Chairman, VIROCON 2025

About ICMR-National Institute of Virology (ICMR-NIV)

The National Institute of Virology (NIV), Pune, was established in 1952 as the Virus Research Centre (VRC) under Indian Council of Medical Research (ICMR) and Rockefeller Foundation. In 1967, the Institute was taken over by ICMR and in 1978, VRC was renamed as NIV. The world's first mosquito cell line, popularly called 'Singh's cell line (C6/36)', developed in 1967, was a remarkable contribution. With an initial focus on arboviruses, the Institute grew into a national hub for virology research and training. High Containment and Maximum Containment Laboratories were established at the Pashan campus, housing State-of-The-Art BSL-3 and 4 laboratories.

Over decades, NIV has expanded its research to human and avian influenza, rotavirus, measles, hepatitis, rabies and emerging infections like Mpox. The institute has contributed in early detection of high consequence pathogens such as Crimean Congo hemorrhagic fever virus, Nipah virus and Zika virus in the country. The institute takes pride in its contribution towards development of viral vaccines against Kyasanur Forest Disease virus, Japanese Encephalitis and SARS-CoV-2 viruses and transfer of cutting-edge technologies.

The institute has a mandate to develop capacities and carry out research for virus diseases of human public health importance; undertake basic virology research to understand epidemiology, pathogenesis and immune mechanisms and develop medical countermeasures, including diagnostics, vaccines and therapeutics and continue to provide diagnosis, investigate outbreaks, and maintain surveillance of viral diseases.

The institute possesses State-of-The-Art facilities for virus propagation, virus repository, genomics, high performance computing, animal house, electron microscopy and immunology. The institute serves as the resource centre for virus research and diagnostic laboratories (VRDL) network of Department of Health Research, Government of India. Four new zonal NIVs are being established at Bengaluru (South Zone), Jabalpur (Central Zone), Dibrugarh (East Zone), and Jammu (North Zone) for collaborative research and outbreak investigation of viral diseases.

https://niv.icmr.org.in

About Indian Virological Society (IVS)

The Indian Virological Society (IVS), a member of International Union of Microbiological Society (IUMS), was established in December 1984 at Haryana Agriculture University, Hisar, with the objective to promote research and development in the field of virology. It is a unique scientific body that provides platform for those associated with the characterization and management of viruses affecting Animal, Human, Fish, Insect, Plant and other living organisms. The society has close collaboration with the World Society for Virology which is emerging as a leading world forum for addressing problem related to cross boundary viral epidemics. IVS publishes an internationally reputed journal “VirusDisease” in collaboration with Springer Nature. The Society recognizes outstanding contributions of members by electing them as Fellows and conferring lifetime achievement awards, Springer Nature-IVS Best Publication Award and Young Scientist awards.

https://www.ivs.net.in

About NIV Research Foundation

The NIV Research Foundation is a registered body under the Mumbai Public trust act 1950 and was established as a non-government organization for NIV's scientific progress and welfare. The main objectives of the Foundation are to promote science in society, organize lectures and seminars by eminent personalities in the field of biomedical science and workshops/conferences.

MAJOR SUB-THEMES

One Health & Pandemic Preparedness

- Climate Change, Global Warming, cross-species Transmission and Emergence of Viral Disease
- Surveillance of Viruses in Wild Reservoirs (Bats, Rodents, Birds, Animals)
- Viral Ecology in Aquatic, Plant and Soil Systems
- Wastewater Surveillance and Syndromic Surveillance
- Biosafety, Biosecurity and Risk Assessment
- Multi-sectoral Integrated Disease Surveillance Systems Linking Human, Animal, and Plant Health
- Rapid Diagnostics and Mobile Technologies
- Data Science, AI and Disease Modeling to Predict Future Pandemics

Public Health and Agricultural Resilience

- Epidemiology and Community-based Strategies for Outbreak Response
- Clinical and Translational Virology
- Emergence of Vector-borne Viral Diseases
- Viral Threats to Food Crops, Livestock and Fisheries and Early Warning Systems
- Building Resilient Agri-health Systems

Innovators' Interface-Role of Academia & Industry

Development of Countermeasures

Diagnostics

- Conventional diagnostic assays and Prognostic biomarkers
- Lateral flow, CRISPR, biosensors and PoCs
- PCR, next-generation sequencing, metagenomics and AI

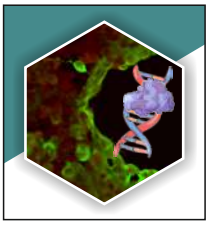
Vaccines

- Conventional inactivated and live-attenuated vaccines
- mRNA, viral vector, protein subunit, DNA-based platforms
- Vaccine adjuvants and AI-driven prediction
- HTA and regulatory requirements

Therapeutics

- Small molecule inhibitors and natural products
- High-throughput screening, drug repurposing, AI-assisted design
- RNA and antibody based therapeutics
- Antiviral drug resistance

Basic Virology for Research and Development



Virus replication, evolution and genetic diversity

- Molecular mechanisms of virus replication
- Virus Discovery and Metaviromics
- Phylogenomics and virome diversity
- Reverse genetics, pseudoviruses, Organoid and animal/plant models
- CRISPR -genome editing tools

Host-virus interactions

- OMICS, CRISPR and functional genomics in host-virus studies
- Interactions at cellular and molecular level
- Host genetic susceptibility
- Epigenetic regulation of virus replication

Viral Immunology

- Innate Immune Sensing and Antiviral Defences
- Adaptive Immunity
- Immunopathology
- Virus immune evasion
- Immune Responses in Plant–Virus Interactions

REGISTRATION

How to register?

Please visit the conference website https://virocon2025.org/registration for registration and fee payment.

REGISTRATION FEES*

Categories of Delegates	Early Registration (Till 15th Oct 2025) INR	Regular Registration (Till 15th Nov 2025) INR	Late Registration (Till 30th Nov 2025) INR
IVS Members	7500	8500	9500
Non IVS Members	8500	10000	10500
Students/ Research Fellows	4500	5500	6000
Industry/Corporate	13000	16000	21500
Accompanying Person (No kit will be provided)	4500	5500	6000

***Inclusive of GST**

Abstracts Submission (www. virocon2025.org)	
Last date for Abstract submission (Oral / poster)	25th Sept 2025
Acceptance of Abstract (Oral/poster)	7th Oct 2025

For further details visit the conference website: https://virocon2025.org/register-form
In case of any Scientific/Technical queries, call us at **020-26006290/25906890** or drop a mail at:
a) **Scientific Query Support: *Dr. Anita Shete-Aich*** (anitaaich2008@gmail.com)
b) **Technical Query Support: *Mr. NandKumar Gujar*** (gujar.nv@gov.in)

SPONSORSHIP OPPORTUNITIES

Industries / companies are welcome to participate in VIROCON 2025 through, sponsorship and advertisement. Broad range of sponsorship packages are available on a first-come, first-served basis to suit every sponsor/exhibitor to showcase the company's portfolio, and products useful in virological research. This is a great opportunity to interact with the conference attendees and highlight your product line. The details of packages for the sponsorships are as follows-

Type of Sponsorship	Amount for Sponsorship (INR)
Platinum	20 Lakhs
Diamond	15 Lakhs
Gold	10 Lakhs
Silver	5 Lakhs

Awards

- The Indian Virological Society confers several awards for excellence in Virological research and for contributions made in any branch of the field of Virology. Details of individual awards are available on IVS website (https://www.ivs.net.in).
- Best presentation awards will be given for technical sessions including poster sessions, which will be decided by a distinguished jury.

ABOUT PUNE:

Renowned as "Queen of the Deccan", Pune is nestled at the foothills of Sahyadri mountain range in western Maharashtra, India. Located in the heart of Maharashtra, Pune is blessed with scenic landscapes and serene ambience. Pune's temperature in December ranges from approximately 15°C - 28°C, offering a comfortable climate for travellers to explore the city's attractions.

Home to reputed academic and research institutions like Indian Institute of Science Education and Research (IISER), Inter-University Centre for Astronomy and Astrophysics (IUCAA), National Defence Academy, Savitribai Phule Pune University, National Chemical Laboratory (NCL), Pune, has earned the reputation of being called the "Oxford of the East". In addition to its academic and research excellence, Pune is cherished for its rich cultural heritage and historical significance. As the cultural capital of Maharashtra, the city offers a unique blend of tradition and modernity, evident in its vibrant festivals, classical arts, music, and authentic cuisine. Popular tourist attractions include Shrimant Dagadusheth Halwai Ganpati Temple, Aga Khan Palace, Shaniwar Wada, Sinhagad Fort, Raja Dinkar Kelkar Museum, Khadakwasla Dam and Tulsi Baug market.

How to reach Pune?

Pune is well-connected by rail, road and air network, ensuring a convenient travel experience for its visitors.

By Air: *Pune is well connected through domestic airlines with the entire country. The airport located at Lohegaon has recently acquired status of an international airport and is being used to carry domestic as well as international traffic. Jagadguru Sant Tukaram Maharaj Airport (Lohegaon Airport) is an international airport, located 15 km away from Pune city centre. Visitors can avail taxi and local bus services from outside the airport to reach the Conference Venue.*

By Train: *Pune Junction railway station connects the city with all the prime Indian destinations. There are several mail/express/Vandebharat trains linking the city to various Indian destinations in south, north and west. Some of the prominent trains operating to/from Mumbai are Deccan Queen and Shatabdi Express, which take around three-and-a-half hours approximately to reach Pune.*

By Road: *Pune enjoys excellent connectivity with neighbouring cities and towns by well-maintained network of roads. Mumbai (140 km), Chhatrapati Sambhajinagar (215 km) and Solapur (254 km) all are well-linked to Pune by a number of state and roadways buses. Those driving from Mumbai need to take Mumbai-Pune Expressway route, which takes barely 2 to 3 hours to cover a distance of about 150 km.*

PATRONS

Dr. Rajiv Bahl, Director General, Indian Council of Medical Research, New Delhi

CHAIRMAN

Dr. Naveen Kumar, Director, ICMR-National Institute of Virology, Pune

ORGANIZING SECRETARY

Dr. Babasaheb V. Tandale, Scientist 'G', ICMR-NIV, Pune

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Dr. Yogesh K. Gurav, Scientist 'F', ICMR-NIV, Pune

CO-TREASURER

Dr. Kanchankumar P. Patil, Scientist 'E', ICMR-NIV, Pune

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ICMR-NIV COMMITTEE LEAD	COMMITTEE NAME
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Dr. Anuradha Tripathy, Scientist 'G'	Scientific
Dr. Jayati Mullick, Scientist 'G'	Stage & Anchoring
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Dr. Varsha Potdar, Scientist 'E'	Food
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Dr. Avinash R. Deoshatwar, Scientist 'E'	Transport
Dr. Kunal H. Pise, Scientist 'E'	Cultural Program/Banquet

Contact Information:

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