RESOURCE PERSONS

DAY 1



Dr. Radhakrishnan R Nair
Scientist G
Rajiv Gandhi Centre for Biotechnology



Dr. Vaidyanathan Vinoth Kumar
Professor, Department of Biotechnology, SRM Institute of Science and Technology, Chennai

DAY 2



Dr. Florida Tilton
Managing Director
Biozone Research Technologies Pvt. Ltd, Chennai



Dr. Jaikanth C
Associate Professor, Dept of Pharmacology, Sri Ramachandra Institute of Higher Education and Research (Deemed to be University), Chennai

DAY 3



Dr. Adepu Ramesh
Principal cum Director, Vikas College of Pharmaceutical Sciences, Suryapet, Telangana



Dr. Ajit Singh
Founder & CEO, CliMed & Curio

DAY 4



Dr. Bijo Mathew
Professor, Department of Pharmaceutical Chemistry & Analysis, Amrita School of Pharmacy, Amrita Vishwa Vidyapeetham, Kochi



Dr. K. Naga Prashant
Associate Professor, Department of Pharmaceutical Chemistry, IQAC Coordinator, Adichunchanagiri College of Pharmacy, Karnataka

DAY 5



Dr. Prakash Goudanavar
Dean, School of Pharmacy, Director- IQAC , RV University, Karnataka



Dr. N Saranya
Associate Professor & Head
Department of Biotechnology, Nehru Arts and Science College, Coimbatore

EXPECTED OUTCOMES

The workshop is expected to strengthen participants' knowledge, practical skills and research collaborations in next-generation health care. Its outcomes may include:

- Improved understanding of how artificial intelligence can support health research, medical imaging, disease surveillance, clinical decision-making and drug development.
- Development of research concepts, proposals or pilot projects addressing local and national health priorities.
- Identification of infrastructure, equipment, workforce and funding requirements for implementing AI, molecular diagnostics and precision medicine.
- Enhanced knowledge of molecular diagnostic technologies, including genomic testing, biomarker discovery, next-generation sequencing and laboratory-based disease detection.
- Improved capacity to design and conduct research in precision medicine by integrating clinical, molecular, genomic and lifestyle information into individualized prevention, diagnosis and treatment strategies.
- Stronger collaboration among clinicians, laboratory scientists, researchers, data scientists, policymakers, academic institutions and industry partners.
- Creation or strengthening of institutional research networks and centers capable of supporting interdisciplinary innovation and translating research findings into clinical practice.

REGISTRATION

Limited seats: 50 participants

Registration is FREE

Last date for registration: 01-10-2026

Mode of selection:

- Based on application review
- First-come, first served basis
- Combination of criteria of academic merit and prior lab experience.

Who can attend:

PG students / Research Scholars / Academicians / Industry persons (Pharmaceutical Sciences / Life sciences / Medical / Veterinary / Agricultural Sciences)

- ***Bring your own laptop for hands-on sessions***
- ***Certificates will be issued only after successful completion of the workshop***

CO-ORDINATORS

Registration : **Dr. G N Pramodini, Prof & Head – 8885202519**

Accommodation : **Dr. T. Tamilselvan, Prof & Head – 9578778175**

Transportation : **Dr. Sreedhar V, Professor - 9441190175**

NEHRU COLLEGE OF PHARMACY
Pampady, Thiruvilwamala, Thrissur, Kerala – 680588

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MINISTRY OF HEALTH AND FAMILY WELFARE
INDIAN COUNCIL OF MEDICAL RESEARCH (ICMR)
DEPARTMENT OF HEALTH RESEARCH (DHR), NEW DELHI

Sponsored

FIVE DAYS NATIONAL WORKSHOP

on

"STRENGTHENING RESEARCH CAPACITY IN NEXT GENERATION HEALTHCARE TECHNOLOGIES: AI, MOLECULAR DIAGNOSTICS AND PRECISION MEDICINE"

Dates:
05th to 09th October 2026



Organised by

Dept. of Pharmaceutical Chemistry & Analysis, Nehru College of Pharmacy, Pampady, Thrissur

&

Dept. of Biotechnology, Nehru Arts & Science College, Coimbatore

In Association with

Internal Quality Assurance Cell (IQAC)

Venue:
Seminar Hall, Nehru College of Pharmacy, Pampady, Thrissur

www.ncp.net.in

ABOUT THE ORGANIZING INSTITUTION

Nehru College of Pharmacy (NCP), an autonomous institution by UGC, is one of the prominent pharmacy institutions in Kerala, committed in providing quality education, fostering research and developing competent pharmacy professionals. The college secured 2nd rank in Kerala in the Kerala Institutional Ranking Framework (KIRF) 2025 – Pharmacy category. NCP is affiliated with the Kerala University of Health Sciences (KUHS) and approved by the Pharmacy Council of India (PCI) and the Quality Council of India (QCI). It is accredited with an 'A' Grade by NAAC, ISO 9001:2015 certified, and accredited with QAS by KUHS with an 'A' Grade. Functioning under the Nehru Group of Institutions, NCP emphasizes academic excellence, innovative teaching, research and professional development, supported by competent faculty, well-equipped laboratories, a computerized library, ICT-enabled classrooms and modern academic facilities.

Established in 2003 with the B.Pharm programme, NCP has progressively expanded its academic portfolio with the introduction of M.Pharm programmes in Pharmaceutics, Pharmacy Practice, Pharmacognosy and Pharmaceutical Regulatory Affairs, along with Pharm.D and D.Pharm programmes. The college is attached to its parent teaching hospital, P.K Das Institute of Medical Sciences (PKDIMS), a 1250-bed super-speciality hospital, where students get valuable opportunities for clinical training and practical exposure. Further strengthening its commitment to pharmaceutical education and research, NCP houses a Pharmacovigilance Centre approved by the Indian Pharmacopoeia Commission, Government of India and maintains about two-hectares medicinal garden containing more than 250 medicinal plants. Through its integrated approach to education, research, healthcare exposure and professional development, NCP strives to nurture skilled, ethical and socially responsible pharmacy professionals.

ABOUT THE DEPARTMENTS

The Department of Pharmaceutical Chemistry & Analysis at Nehru College of Pharmacy focuses on quality education, skill-based training, research, innovation and practical learning. Students develop analytical, experimental and problem-solving skills through laboratory sessions and research-oriented activities. Well-equipped laboratories with modern instruments such as UV-Visible Spectrophotometer, IR Spectrometer, HPLC, Polarimeter, etc. provide hands-on training in pharmaceutical analysis, synthesis, characterization and drug evaluation. The department promotes research in drug design and development, computational drug discovery, medicinal chemistry, synthesis and characterization of bioactive compounds, pharmaceutical analysis and in-vitro biological evaluation.

The Department of Biotechnology at Nehru Arts and Science College (NASC), Autonomous, provides undergraduate and postgraduate education with emphasis on practical skills, research and industry relevance. It has state-of-the-art laboratories in molecular biology, fermentation, bio-organic chemistry and plant and animal tissue culture, supported by a DBT-sponsored central instrumentation facility. The department promotes hands-on training, workshops, internships, value-added courses, research and innovation in biotechnology.

ABOUT THE ICMR-DHR

The Indian Council of Medical Research (ICMR) under the Department of Health Research (DHR), Ministry of Health and Family Welfare, Government of India, is the apex body responsible for the formulation, coordination, and promotion of biomedical and health research in the country. ICMR-DHR plays a vital role in advancing public health through innovative research, capacity building, scientific collaboration and translation of research findings into practical healthcare solutions. It supports a wide range of research activities through various grants, fellowships, training programmes, studentships and collaborative initiatives, encouraging researchers and healthcare professionals to address emerging and existing health challenges. Through its extensive network of research institutions and national and international collaborations, ICMR-DHR promotes multidisciplinary and translational research aligned with national health priorities and contributes significantly to improving healthcare and strengthening the biomedical research ecosystem in India.

ABOUT THE WORKSHOP

The rapid advancement of healthcare technologies is transforming the way diseases are diagnosed, treated and managed. Artificial Intelligence (AI), Molecular diagnostics and Precision medicine are emerging as powerful tools for improving early diagnosis, personalized treatment, clinical decision-making and patient outcomes. However, the effective integration of these technologies requires skilled professionals with knowledge of their principles, applications and practical challenges. This five-day intensive workshop on "Strengthening Research Capacity in Next Generation Healthcare Technologies: AI, Molecular Diagnostics and Precision Medicine" is jointly organized by the Department of Pharmaceutical Chemistry & Analysis, Nehru College of Pharmacy, Kerala, and the Department of Biotechnology, Nehru Arts & Sciences College, Coimbatore, aims to provide students, researchers, academicians and healthcare professionals with an understanding of emerging technologies and their applications in modern healthcare. The workshop will focus on AI-driven healthcare solutions, molecular diagnostic approaches, biomarker identification, genomic and molecular technologies and precision medicine strategies. Through expert lectures, practical demonstrations, interactive sessions and research-oriented discussions, participants will gain valuable insights into the application of next-generation technologies in healthcare research. The workshop will also encourage interdisciplinary collaboration and innovation, thereby strengthening research capacity and promoting the translation of emerging healthcare technologies into effective and patient-centred healthcare solutions.



ORGANIZING COMMITTEE



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Honorary Trade Commissioner, Mauritius-India
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Organizing Secretary

Dr. Suresh V Chennupati
Professor, Department of Pharmaceutical Chemistry & Analysis
Nehru College of Pharmacy



Co - Organizing Secretary

Dr. N Saranya
Associate Professor & Head Department of Biotechnology
Nehru Arts and Science College