

EVENT REPORT

Name of the Event : International Conference
Title of the Event : Two days International Conference on AI-Powered 4R's: Ethical and Innovative Alternatives to Animal Testing
Organized by : Karpagam College of Pharmacy
Date & Time : 27.02.2026-28.02.2026
No of Staffs Participated : 01
No of Students Participated : 10

The Two Days International Conference on “**AI-Powered 4R's: Ethical and Innovative Alternatives to Animal Testing**” was organized by Karpagam College of Pharmacy on 27th and 28th February 2026. The event emphasized the principles of the 4R's — **Replacement, Reduction, Refinement, and Responsibility** — and highlighted how AI-driven tools such as in-silico modeling, machine learning techniques, organ-on-chip systems, and predictive toxicology are transforming preclinical research and drug development. **Mrs.S.Malathi, Associate Professor** and III B.Pharm 10 students from Rathinam College of Pharmacy actively participated in the conference. Their participation provided exposure to recent innovations in AI-assisted drug discovery and ethical experimentation practices. The interactive technical sessions, keynote lectures, and panel discussions enriched their academic knowledge and encouraged them to adopt modern research approaches aligned with global ethical standards.

Name of the Participants

1. Swetha S
2. Kanitha S
3. Santhiya S
4. Divya S
5. Sivadhanya M
6. Nivashini J
7. Tejal Lency A
8. Shalini J
9. Valarmathi K
10. Sanjitha R

Program Committee


Principal

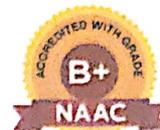
Rathinam College of Pharmacy
Rathinam Techzone,
Pollachi Main Road, Eachanari,
Coimbatore - 641021.





KARPAGAM COLLEGE OF PHARMACY

(Approved by Pharmacy Council of India, New Delhi)
(Affiliated to The Tamil Nadu Dr. M.G.R. Medical University, Chennai)
(Accredited by NBA (B. Pharm.) & B+ Grade by NAAC)
(Recognized by UGC Under section 2(f) of UGC act 1956)



TWO DAYS INTERNATIONAL CONFERENCE ON AI-Powered 4R's: Ethical and Innovative Alternatives to Animal Testing

27th & 28th February 2026

SPONSORED BY



THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY
CHENNAI



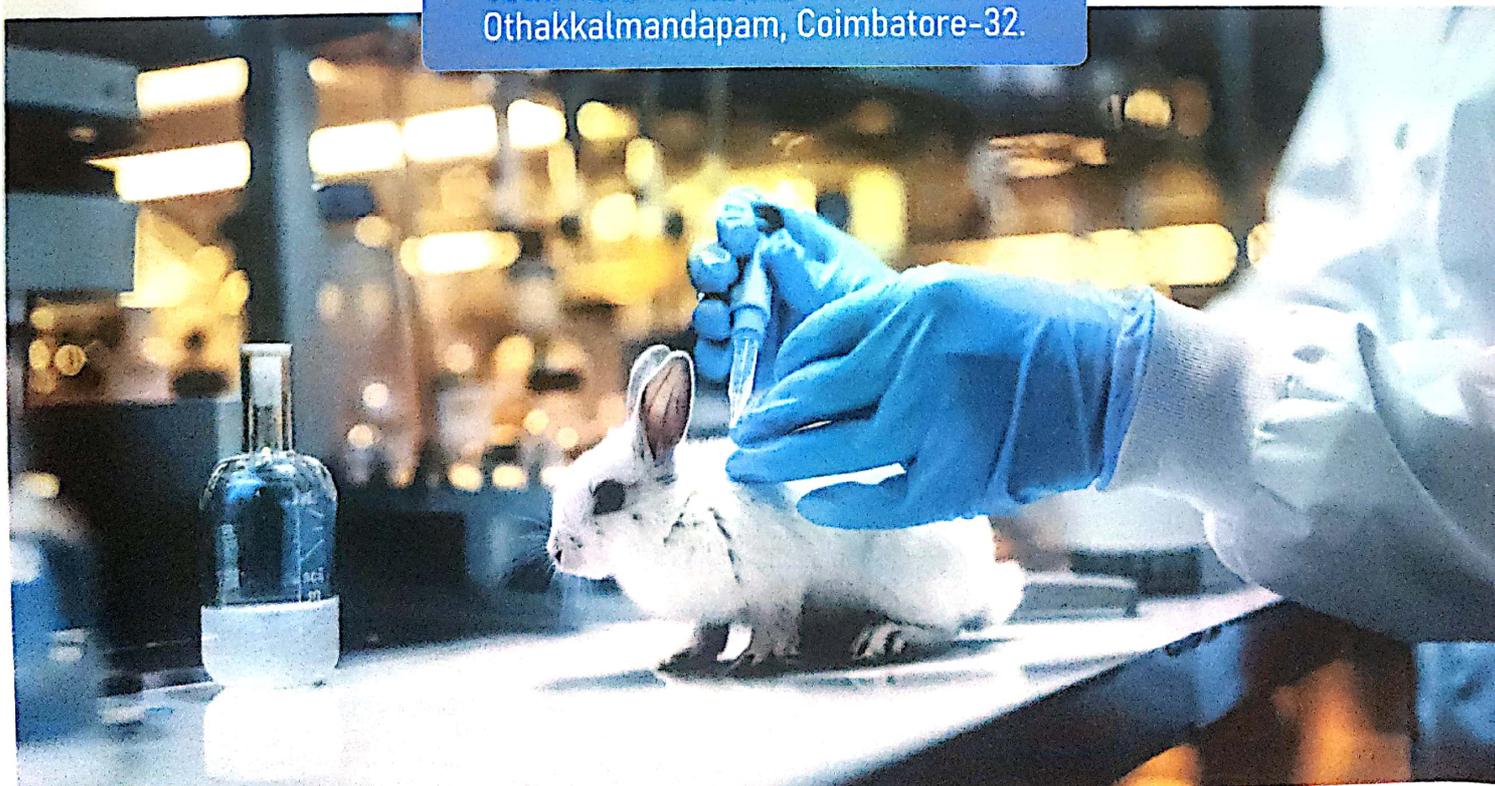
CO-SPONSORED BY



ASSOCIATION OF PHARMACEUTICAL TEACHERS OF INDIA
TAMIL NADU BRANCH

Organized by

DEPARTMENT OF PHARMACOLOGY
KARPAGAM COLLEGE OF PHARMACY
Othakkalmandapam, Coimbatore-32.



Chief Patron

Dr. R. Vasantha Kumar
Chairman
Karpagam Educational Institutions

Patron

Er. K. Murugaiah
Chief Executive Officer
Karpagam Educational Institutions

Convener

Dr. S. Ramkanth
Principal i/c
Karpagam College of Pharmacy

Organizing Secretary

Dr. A. Madeswaran
Professor & Head
Department of Pharmacology
Karpagam College of Pharmacy

Organizing Committee Members

Mr. T. Boopathi
Associate Professor

Mr. M. Thiruvankadam
Assistant Professor

Ms. C. Lemathi
Assistant Professor

Ms. M. Nandhini Devi
Assistant Professor

REGISTRATION

- ▶ Registration can be made by sending the filled google application form, along with the Reg fee payment receipt/ transaction id (scanned).
- ▶ Registration fee- Rs.800/- (Students and Research Scholars), Rs.1000/- for Academicians and Other Health Care Professionals.
- ▶ The program schedule will be informed after the successful registration.



ACCOUNT DETAILS FOR THE PAYMENT

Account name : Karpagam College of Pharmacy
Account number : 170002000001072 IFSC Code: IOBA0001700
Branch : Seerapalayam, Coimbatore
Bank : Indian Overseas Bank

(Registration fee includes Registration kit, Lunch and refreshments for two days)

FOR INQUIRIES

For Scientific

Dr. A. Madeswaran
Organizing Secretary
Ph no: 70100 68118

For Registration

Mr. T. Boopathi
Associate Professor
Ph no: 73735 70806

For Accommodation

Mr. M. Thiruvankadam
Assistant Professor
Ph no: 99946 78525

Email ID :

madeswaran.a@kcp.edu.in

conferencekcp@gmail.com



ABOUT THE COLLEGE:

Karpagam College of Pharmacy is managed by Karpagam Charity Trust. Since its inception in the year 1989, the trust strives to impart eminent & value based education that is precipitated in the holistic development of the personality along with its institutions which have been established in the year 1995. Karpagam College of Pharmacy was established in 2006 as a unique centre of excellence at all levels of Pharmaceutical Education and Research. The college is endowed with excellent infrastructure, state of art laboratories and a team of dedicated faculty members with upscale research interests. It has vibrant academic environment which fosters passion in learning and supports excellence. The programs such as B. Pharm., Pharm. D., Pharm. D. (PB), M. Pharm., (Pharmacology, Pharmaceutics, and Pharmaceutical Analysis) are approved by Pharmacy Council of India (PCI) New Delhi and affiliated to The Tamil Nadu Dr. M.G.R. Medical University, Chennai. The College is accredited by National Assessment and Accreditation Council (NAAC) with the grade of B+ and B. Pharm Programme is accredited by National Board of Accreditation (NBA), New Delhi. The College is recognized as Scientific and Industrial Research Organization (SIRO) by the Department of Scientific and Industrial Research (DSIR). The College is endowed with excellent infrastructure, state-of-the-art laboratories and a team of dedicated faculty members with flourishing research interests.

ABOUT THE DEPARTMENT:

The Department of Pharmacology at Karpagam College of Pharmacy, established in 2009, focuses on the study of drug effects and fates within biological systems. It provides a multidisciplinary academic and research environment for undergraduate, postgraduate, and doctoral students. The department has well experienced faculties with innovative thoughts. The department is actively involved in research across several medical and pharmaceutical domains, including Cancer, metabolic disorders, diabetes, inflammatory diseases, and neuro-pharmacology. The department also carry out the research work involving *in silico*, *in vitro* and *in vivo* pharmacological screening, including acute and chronic toxicity studies.

ABOUT THE CONFERENCE:

The conference addresses the growing pharmacy students and scientific concern for animal welfare and the ethical imperative to reduce animal suffering in research. The primary beneficiaries, as the need for their use in painful or distressful experiments is drastically reduced or eliminated. Researchers and students will gain access to faster, more cost-effective, and often more accurate predictive tools, accelerating their work and improving the chances of successful clinical outcomes. Creates demand for experts in AI, machine learning, bioinformatics, computational toxicology, and data science within the biomedical field. AI can process complex data and screen potential drug candidates within minutes or hours, significantly accelerating the research and development pipeline compared to time-consuming animal studies. Hence, the seminar enhances the quality and updates the researchers, pharmacy students towards the ethical and innovative alternatives to animal testing.

ABSTRACTS SUBMISSION GUIDELINES:

- ▶ The research work included in the abstract should not have been published earlier
- ▶ Ensure that it is original and does not contain copied/plagiarized content.
- ▶ Only one abstract per presenting author will be accepted.
- ▶ Abstracts submitted by registered participants will only be considered.

GUIDELINES FOR PREPARING ABSTRACT BODY TEXT-(Times new roman, font size 12)

- ▶ Restrict abstract body text to A4 size one page document with a maximum of 300 words.
- ▶ Font style of Times New Roman with a font size of 12, single line-spacing shall be used.
- ▶ Abstracts that run into 2 or more pages would be rejected.
- ▶ Guidelines and templates for the preparation of poster and oral will be communicated in the acceptance mail.
- ▶ Best Oral Presenter Awards and Best Poster Presenter Awards will be given in form of Certificate and Mementoes for Faculties and Students separately.

Submit Your abstract to:

abstractkcp@gmail.com



The selected abstract will be published in the Scopus indexed Journal with the nominal Charges.

LAST DATE OF ABSTRACT SUBMISSION 20/02/2026

NOTIFICATION OF ACCEPTANCE 23/02/2026



Day 1 (27/02/2026)

RESOURCE PERSONS

TOPIC



Dr. M. Ramanathan
Principal,
PSG College of Pharmacy, Coimbatore.



Targeted new molecules design to facilitate immune system through AI application



Dr. S. P. Muthukumar
Chief Scientist and Professor,
CFTRI, Mysuru.



ARISE: Alternatives in Research – Innovation, Sustainability, and Ethics



Dr. S. Parasuraman
Snr. Associate Professor & Unit
Head, Pharmacology, Toxicology and Basic
Health Sciences [PTBHS] Unit,
Faculty of Pharmacy, AIMST
University, Bedong 08100, Malaysia.



New Approach Methodologies (NAMs) in Drug Development & Safety



Dr. A. Madeswaran
Professor and Head, Dept. of Pharmacology,
Karpagam College of Pharmacy, Coimbatore.



AI-Enhanced Organ-on-a-Chip: The
“Human-on-a-Chip” Future



Dr. M. R. Srinivasan
Assistant Professor,
Veterinary College & Research
Institute, Tirunelveli



In silico PD, PK and Tox predictions in drug discovery research

Day 2 (28/02/2026)

RESOURCE PERSONS

TOPIC



Dr. C. Kathirvelan
Professor and Head,
Dept. of Nutrition Veterinary
College and Research institute,
Udumalpet.



Nutrition and Housing of Laboratory animals used in Biomedical Research



Dr. R. Venkataraman
Professor, Office of the Vice-chancellor,
TANUAS, Chennai.



Use of statistical tools for achieving Three Rs in biomedical Research



Dr. P. Balaji
Professor, Department of Pharmacology,
School of Pharmaceutical Sciences,
Vels Institute of Science,
Technology & Advanced Studies, Chennai.



AI in Drug Discovery: Bridging Innovation and Clinical Application



Dr. R. Vadivelan
Professor & Head, Dept of
Pharmacology, JSS College of Pharmacy,
Ooty.



Alternative approaches to acute oral toxicity testing in preclinical drug safety





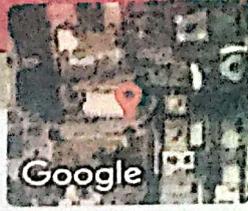
GPS Map Camera



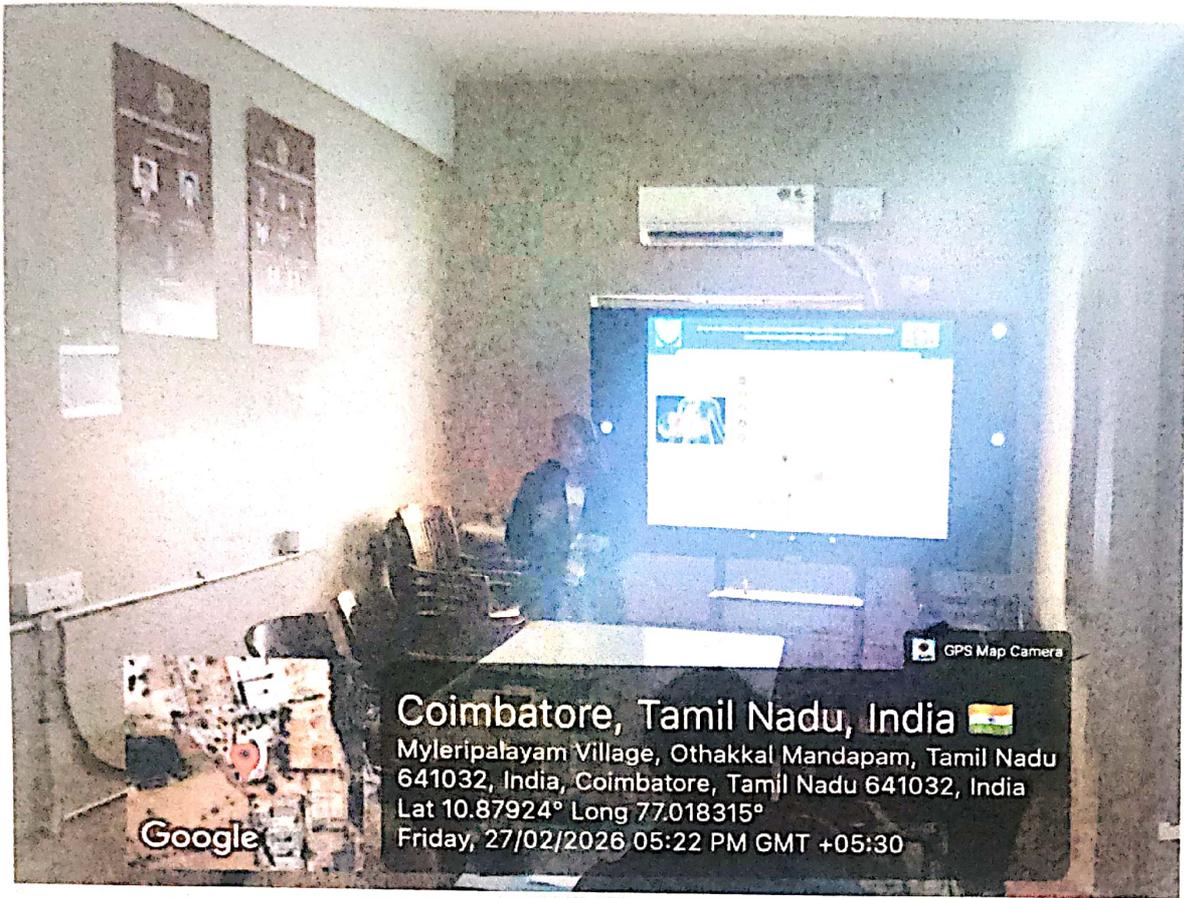
Myleripalayam, Tamil Nadu, India 🇮🇳
Kce Auditorium, Myleripalayam, Tamil Nadu 641032, India
Lat 10.878553° Long 77.020874°
Saturday, 28/02/2026 02:15 PM GMT +05:30



GPS Map Camera



Myleripalayam, Tamil Nadu, India 🇮🇳
Kce Auditorium, Myleripalayam, Tamil Nadu 641032, India
Lat 10.878453° Long 77.02111°
Friday, 27/02/2026 02:36 PM GMT +05:30





KARPAGAM COLLEGE OF PHARMACY

OTHAKKALMANDAPAM, COIMBATORE-32

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(Recognized by UGC Under Section 2(f) of UGC Act 1956)
(Accredited by NBA [B.Pharm.] & NAAC)

CONTINUING EDUCATION PROGRAMME ACCREDITATION CERTIFICATE

This Certificate is awarded to **Dr./Mr./Ms./Mrs.** **DIWJR. S.** for attending
..... RAJHINAM... COLLEGE... OF PHARMACY..... for attending
the **International Conference on "AI-Powered 4R's: Ethical and Innovative
Alternative to Animal Testing"** held on **27th & 28th February 2026** organized by the
Department of Pharmacology of Karpagam College of Pharmacy, Coimbatore-32
This Conference is accredited by the **Tamil Nadu Dr. M.G.R. Medical University, under
Category III, with 15 Credit Points.**

J. Madhavan
Dr. A. MADESWARAN
Professor and Head
(Organizing Secretary)

Dr. S. RAMKANTH
Principal i/c
(Convener)





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CONTINUING EDUCATION PROGRAMME ACCREDITATION CERTIFICATE

This Certificate is awarded to Dr./Mr./Ms./Mrs. KANITHA. &.....for attending
BATHINUM. COLLEGE OF PHARMACY.....for attending
the **International Conference on "AI-Powered 4R's: Ethical and Innovative
Alternative to Animal Testing"** held on **27th & 28th February 2026** organized by the
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Category III, with **15 Credit Points.**

U. Madeswaran

Dr. A. MADESWARAN
Professor and Head
(Organizing Secretary)



Dr. S. Ramkanth

Dr. S. RAMKANTH
Principal i/c
(Convener)

