



**BHARATHIDASAN
UNIVERSITY,
TIRUCHIRAPPALLI**



icmr
INDIAN COUNCIL OF
MEDICAL RESEARCH
Serving the nation since 1911



**Department of Health Research
Ministry of Health and Family Welfare
Government of India**

DHR & ICMR

Sponsored

FIVE-DAY HANDS-ON WORKSHOP

on

PCR TECHNIQUES IN CLINICAL DIAGNOSIS

24th - 28th November, 2025

(Enhancing Knowledge and Skills in Advanced Applied Life Technologies for Aspiring Professionals)

PROGRAM CONTENT

On the first two days eminent scientists will deliver the invited lectures focused on genetic diagnosis with laboratory practices.

- Human genetic variation influences health and disease
- Human genetics of infectious diseases
- Rare genetic disorders: diagnosis, treatment, and care
- Advances in reproductive and prenatal genetic screening
- Applications of PCR in medical diagnosis
- Advanced PCR methods for diagnosis and troubleshooting
- Pharmacogenetics and personalized medicine

HANDS - ON TRAINING SESSION

- Basic: Lab safety and micropipetting practice.
- Genomic DNA isolation from blood.
- Quantification for UV Spectrophotography.
- Bioinformatics: Primer designing *in-silico*.
- Applications of PCR.
- Agarose gel electrophoresis
- RFLP
- Sequencing for confirmation of gene mutation (Demo).

ELIGIBILITY

Clinicians/Research scholars/Medical students/ interested in health research/ M.Sc. & M.Tech.

INTERESTED INDIVIDUALS HAVE TO FILL REGISTRATION FORM.

(The selection based on merit-statement of research and short CV).

APPLY HERE

NO REGISTRATION FEES

https://docs.google.com/forms/d/e/1FAIpQLSeBNjG3iTojjGsBm45RF0xVeexkTvMsMnCcm6peUC_IHNPO_w/viewform?usp=header

LIMITED SEATS (25 SEATS ONLY)



List of selected participants will be displayed on 13.11.2025 at www.bdu.in

Selected participants ensure their conformation by 15.11.2025.

ORGANIZING COMMITTEE

CHIEF PATRONS

Tmt. E. Sundaravalli, IAS., CONVENER
Prof. V. Rajesh Kanna,
Prof. R. Sakthi Krishna,
Honorable Vice-Chancellor Committee Members
Bharathidasan University, Thiruchirappalli, TN, India.

PATRON

Dr. R. Kalidasan,
Registrar (I/c)
Bharathidasan University, Thiruchirappalli, TN, India.

ORGANISING SECRETARY

DR.SIVARAMAKRISHNAN, PROFESSOR AND HEAD
Department of Biotechnology,
Bharathidasan University, Tiruchirappalli-620024.

EXECUTIVE COMMITTEE

Dr.M. Muthuselvam, Associate Professor
Dr.M. Manickavasagam, Associate Professor
Dr. V. Sakthivel, Assistant Professor

SCIENTIFIC COMMITTEE

Dr.A. Rebekkah Shanthakumari, Guest Lecturer
Dr.P. Shobana Piriya, Guest Lecturer
Dr.D.S. Prabha, Guest Lecturer
Dr.C. Maragatham, Guest Lecturer
Dr.S. Saravani, Guest Lecturer
Dr.A.D. Palanimuthu, Guest Lecturer
Dr.S. Arun, Guest Lecturer
Dr.S. Arjunan, Guest Lecturer
Dr.M. Sundar, Guest Lecturer
Dr.S.Kothaiyolli, Guest Lecturer

Department of Biotechnology,
Bharathidasan University, Tiruchirappalli-620024.

ACCOMMODATION

Accommodations will be arranged for the participants on payment basis. Working lunch will be provided to the participants.

VENUE

DEPARTMENT OF BIOTECHNOLOGY, BHARATHIDASAN UNIVERSITY,
TIRUCHIRAPPALLI-620024.
TAMIL NADU, INDIA.

INFORMATION CONTACT

DR.S.ARUN,GUEST FACULTY

+91 - 9710521355

srkrishnan@bdu.ac.in

<https://www.bdu.ac.in/>