

# BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI





# 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

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### 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.S.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.Kothaiyolii, 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.

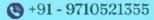
#### VENUE

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



# INFORMATION CONTACT

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