

## ORGANIZING COMMITTEE

- Chief Patron :** **Prof. M. SELVAM**  
Honorable Vice-Chancellor  
Bharathidasan University.  
Tiruchirappalli – 620024
- Patron :** **Prof. R. KALIDASAN**  
Registrar(i/c)  
Bharathidasan University  
Tiruchirappalli – 620024
- Convenor and Co-Organizing Secretary :** **Dr. S. SIVARAMAKRISHNAN**  
Professor and Head  
Department of Biotechnology  
Bharathidasan University  
Tiruchirappalli – 620024
- Organizing Secretary :** **Dr. M. MUTHUSELVAM**  
Associate Professor  
Department of Biotechnology  
Bharathidasan University  
Tiruchirappalli – 620024
- Organizing Committee Members :** **All Faculty Members**  
Department of Biotechnology  
School of Biotechnology and Genetic Engineering  
Bharathidasan University  
Tiruchirappalli - 620024

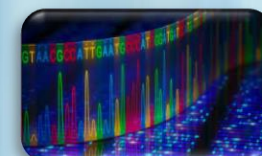


DEPARTMENT OF BIOTECHNOLOGY  
BHARATHIDASAN UNIVERSITY  
TIRUCHIRAPPALLI – 620024.



## RUSA 2.0 BIOLOGICAL SCIENCES SPONSORED NATIONAL HANDS-ON TRAINING PROGRAM ON MICROBIAL GENOMICS AND FUNCTIONAL ANALYSIS

Date: 8<sup>th</sup> & 9<sup>th</sup> October 2024



Organized By  
Department of Biotechnology  
School of Biotechnology and Genetic Engineering  
Bharathidasan University  
(Reaccredited With "A+" Grade by NAAC)  
Tiruchirappalli – 620024.

## Bharathidasan University

The Government of Tamil Nadu established the Bharathidasan University at Tiruchirappalli in February 1982, named after the great revolutionary Tamil Poet, Bharathidasan. The University aims at developing citizens with knowledge, skills, and character contributing to societal transformation and National development in consonance with our motto “WE WILL CREATE A BRAVE NEW WORLD” has been framed by Paventher Bharathidasan. The University is one among those recognized by the UGC for receiving grants per section 12b of the UGC Act. It was re-accredited with an ‘A+’ grade by NAAC in the third cycle in 2019. The University has grown with an excellent research base, offering PG and research programs through 40 schools, departments, and applied research centers. The mission of Bharathidasan University is to promote scholarly, scientific, and critical inquiry among the learners to move forward in the frontiers of knowledge and enrich and elevate them as the citizens of the state, the nation, and the world by offering national and international competitive learning and creative activity through quality programs of teaching, research, and extension. 'Our BDU-Our PRIDE': Pride Resonating In Delivered Excellence (PRIDE)

## Department of Biotechnology

Biotechnology Department emerged from Botany's parental department and offered Post Graduate and Research Programmes. Later M. Tech Programme started under the School of Life Science. Then it was elevated to the School of Biotechnology and Genetic Engineering, initially with two Departments, the Department of Biotechnology and the Department of Industrial Biotechnology in the year 2012. Our department has been equipped with basic to advanced instrumentation facilities from the University as well as supported by UGC-SAP and successfully running the M. Sc, M. Tech, and Ph. D programs. The department aims to provide trained manpower in different areas of Biotechnology to supplement the country's demands. A significant number of our students are pursuing their Ph. D.s and post-docs abroad. The Department is likely to expand soon to perform scientific research & technological development in the frontier areas of Biotechnology.

**WORKSHOP THEME:** Join us for an engaging workshop where we'll break down the basics of microbial genomics and functional analysis. Perfect for those new to the field, this workshop will give you easy-to-understand insights into how microbes live, interact, and impact our world.

- Extraction of genomic DNA bacteria
- Separation of DNA by Agarose Gel Electrophoresis

- Colony PCR Techniques
- PCR amplification of 16s rRNA gene in bacteria
- Gene Sequence analysis using BLAST
- Gene Sequence Submission in NCBI
- Phylogenetic Analysis using Mega11
- Biosynthetic gene cluster analysis Antismash
- Analysis of CRISPR gene using CRISPR – cas Finder
- Functional genome analysis RAST server
- Prediction of Metabolic pathway using KEGG Pathway Database

## Who can apply?

Students and Research Scholars of Universities and Colleges are eligible to apply. The number of participants in this workshop is limited to 20. Paid accommodation will be arranged for outstation participants. Lunch and refreshments will be provided to all registered participants during the workshop. Registration is on a first come first serve basis.

Last Date for Registration : 04.10.2024

Registration fee : Rs.300

## Account Details for Payment:

Account Name : Professor and Head,  
Department of Biotechnology

Bank name : State Bank of India

Branch : Bharathidasan University

Account No : 10375402777

IFSC No : SBIN0007014

## Registration Link:

<https://forms.gle/wtZbv4CZvavveeth9>

## ALL CORRESPONDENCE TO

Dr. M. MUTHUSELVAM

Associate Professor

Organizing Secretary

Department of Biotechnology, Bharathidasan University,

Tiruchirappalli – 620024,

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