

## PATRONS AND ORGANIZERS

### Chief Patron

**Dr. V. Rajeshkannan**

Vice-Chancellor Committee Member  
Department of Microbiology  
Bharathidasan University  
Tiruchirappalli - 620 024

### Patron

**Dr. R. Kalidasan**

Registrar (Full-Time Additional In-Charge)  
Bharathidasan University

### Coordinator, School of Life Sciences

**Dr. P. Chellapandi**

## ORGANIZING TEAM

### Organizing Secretary

Dr. P. Chellapandi  
Professor and Head  
Department of Bioinformatics

### Co-Organizing Secretary

Dr. Saranya S - Research Associate, DBT

### Organizing Committee Members

#### ISBL Team

Thamanna L - Research Scholar  
Dhayanithi S - Research Scholar  
Lourdu Lincy L - Research Scholar  
Thenral G - Research Scholar

### Guest Lecturers

Dr. K. Veerakkumar  
Dr. D. Nalini devi  
Mrs. P. Yogarani

**Queries: S. Dhayanithi | 7598951439 |  
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## NATIONAL SEMINAR ON INTEGRATIVE BIOINFORMATICS AND SYSTEMS BIOLOGY

One-day National Seminar

**Theme: Systems and Synthetic Biology**



**28<sup>th</sup> JULY 2026**

**A/C Auditorium, Bharathidasan University**

Organized by  
Department of Bioinformatics &

School of Life Sciences  
Bharathidasan University, Tiruchirappalli,  
Tamil Nadu, India

### PROGRAMME COORDINATOR

Dr. P. Chellapandi  
Professor and Head  
Department of Bioinformatics  
Bharathidasan University, Tiruchirappalli - 620 024,  
Tamil Nadu, India

## ABOUT THE SEMINAR

The National Seminar on Integrative Bioinformatics and Systems Biology brings together invited experts to discuss modern bioinformatics tools, structural bioinformatics, drug discovery, computational systems biology, and systems and synthetic biology. The programme promotes academic interaction among students, research scholars, faculty members, and life-science professionals.

## SEMINAR HIGHLIGHTS

- Interdisciplinary perspectives in bioinformatics, systems biology, and synthetic biology
- Keynote lecture on computational systems biology
- Four technical sessions led by invited experts
- Coverage of tools, structures, drug discovery, and systems-level applications
- Academic interaction for students, scholars, researchers, and faculty

## ABOUT THE UNIVERSITY

Bharathidasan University was established in February 1982 and named after the revolutionary Tamil poet Bharathidasan (1891-1964). Its motto, "We will create a brave new world," reflects a commitment to academic innovation, social responsibility, scholarly inquiry, and knowledge creation.

## ABOUT THE SPONSOR

Rashtriya Uchchatar Shiksha Abhiyan (RUSA) is a centrally sponsored scheme supporting quality improvement, equity, access, and excellence in state higher-education institutions. This seminar is supported under the RUSA 2.0 initiatives of Bharathidasan University.

## DEPARTMENT AND THEME

### About the Department

The Department of Bioinformatics, School of Life Sciences, Bharathidasan University, was established in 2005 under the University Grants Commission's Tenth Five-Year Plan. Its focus includes bioinformatics, computational biology, structural bioinformatics, drug discovery, systems biology, synthetic biology, and data-driven life-science research.

### Theme Concept

#### Integrative Bioinformatics and Systems Biology DATA TO DISCOVERY

Transforming biological data into meaningful molecular and systems-level knowledge.

#### STRUCTURE TO FUNCTION

Connecting sequences, structures, pathways, and networks for life-science innovation.

#### COMPUTATION TO APPLICATION

Applying advanced bioinformatics tools for drug discovery, diagnostics, and biotechnology.

#### SYSTEMS TO SYNTHETIC BIOLOGY

Understanding, modelling, and designing biological systems for future biotechnological solutions.



## PARTICIPATION AND REGISTRATION

### Who Can Participate?

- Undergraduate and Postgraduate students
- Research scholars
- Faculty members
- Life-science and biotechnology professionals

## EVENT DETAILS

**Programme:** One-day National Seminar

**Date:** 28<sup>th</sup> July 2026

**Venue:** A/C Auditorium, Bharathidasan University

**Participants:** 50

## IMPORTANT DATES

- Last date for registration: 25<sup>th</sup> July 2026
- Intimation to selected participants: 26<sup>th</sup> July 2026
- Seminar date: 28<sup>th</sup> July 2026

## REGISTRATION

Mode: Online through Google Form

**Registration fee: FREE**

**Link:** [forms.gle/HEyEk6Vo7CbcAVcH8](https://forms.gle/HEyEk6Vo7CbcAVcH8)

Selected participants will be informed through email or WhatsApp. No payment is required.



## SEMINAR PROGRAMME

**09:30-10:30 AM | Inaugural Session**

**Technical Programme**

**10:45-11:45 AM**

**Dr. P. Selvamani** - Systems Biology for Precision Medicine

**11:45-12:00 PM | Tea Break**

**12:00-01:00 PM**

**Dr. K. Akila** - Advanced Bioinformatics Tools

**01:00-02:00 PM | Lunch Break**

**02:00-03:00 PM**

**Dr. P. Muthusamy Chinnasamy**- AI and Systems Biology for Cancer Biologist

**03:00-04:00 PM**

**Dr. G. Manivel** - The future of Drug Discovery

**04:00-04:30 PM | Valedictory Session**

## INVITED RESOURCE PERSONS

**Dr. P. Selvamani**

Professor and Head, Department of Pharmaceutical Technology, Anna University, BIT Campus, Tiruchirappalli.

**Dr. K. Akila**

Associate Professor, Department of Bioinformatics, Bishop Heber College (Autonomous), Tiruchirappalli.

**Dr. P. Muthusamy Chinnasamy**

Assistant Professor, Department of Biotechnology, St. Joseph's College (Autonomous), Tiruchirappalli.

**Dr. G. Manivel**

Assistant Professor, PG Research Department of Biotechnology, Microbiology & Bioinformatics, National College (Autonomous), Tiruchirappalli.