

## SUBMISSION OF ABSTRACTS

The participants can submit the abstracts of their work representing any of the given thematic areas through email. The abstracts should be in word format (single spaced, Times New Roman with font size 12 and normal margin with 1" border).

## PRESENTATION - ORAL / POSTER

Selection of the research articles for oral or poster presentation will be decided by the committee members. The selected papers will be considered for poster / oral presentation under each of the technical sessions and the intimation will be sent through email to the authors. There will be poster session to display your poster of size 120cm x 100cm in the relevant theme. Each oral presentation will be allotted 5 minutes. Full length papers (soft and hard copies) are to be submitted on or before **07<sup>th</sup> Sep, 2023** in A4 size papers with 1" margin on all the sides. The first word in each paragraph should be indented with 1.5" in Times New Roman with Font size 12, spacing 1.5 and pages to the maximum of 5. All selected abstracts and papers will be Published in the proceedings of the conference with ISBN after peer review.

## AWARDS

Best oral and poster presentation will be awarded.

## VENUE

Sail Auditorium, Aruppe Library Building,  
St. Joseph's College (Autonomous),  
Trichy - 620 002, Tamilnadu.

## SCHEDULE AND IMPORTANT DATES

Last date for the submission of abstracts  
**07 Sep 2023**  
Last date for the acceptance of abstracts  
**08 Sep 2023**  
Acceptance of full length papers  
**09 Sep 2023**

## PATRONS

**Rev. Dr. PAVULRAJ MICHAEL, SJ**  
Rector, St. Joseph's College (Autonomous)  
**Rev. Dr. K. AMAL, SJ**  
Secretary, St. Joseph's College (Autonomous)  
**Rev. Dr. M. AROCKIASAMY XAVIER, SJ**  
Principal, St. Joseph's College (Autonomous)

## ORGANIZING SECRETARY

**Prof. A. BENNO SUSAI VIJAYAKUMAR**  
Head, Department of Biochemistry,  
St. Joseph's College (Autonomous)

## EXECUTIVE COMMITTEE

**Prof. T. ANTONY DIWAKAR CHANDRAN**  
**Dr. P. G. GEEGI**  
**Prof. S. VENKATESHWARI**  
Department of Biochemistry,  
St. Joseph's College, (Autonomous),  
Tiruchirappalli - 620 002,  
Tamil Nadu

## REGISTRATION FEES

Students : Rs.500/-  
Faculty / Scholars : Rs.700/-  
Industrialists / NGOs : Rs.1000/-

Payment link -  
<https://admission.sjctni.edu/BC/AAODD23/>  
Registration forms can be downloaded from  
[www.sjctni.edu](http://www.sjctni.edu) and mailed to -  
[s2hodbi@mail.sjctni.edu](mailto:s2hodbi@mail.sjctni.edu)

## COMMUNICATION

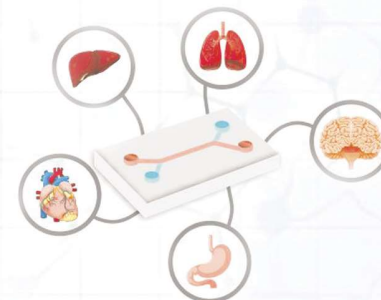
The Head, Department of Biochemistry  
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Scan the QR Code to  
Register



National Conference on

## ADVANCES IN ARTIFICIAL ORGAN DEVELOPMENT AND NOVEL STRATEGIES IN DRUG DISCOVERY (AAODD-2023)



**20<sup>th</sup> & 21<sup>st</sup>  
September, 2023**



Organised By

**DEPARTMENT OF BIOCHEMISTRY**  
**St. JOSEPH'S COLLEGE**  
(Autonomous)

Accredited with A<sup>++</sup> Grade (Cycle IV) by NAAC  
Special Heritage Status Awarded by UGC  
College with Potential for Excellence by UGC  
DBT-STAR & DST-FIST Sponsored College  
TIRUCHIRAPPALLI - 620 002.



## ABOUT TIRUCHIRAPPALLI

It is Tamil Nadu's fourth largest city. It is situated in the centre of the state, on the southern bank of the River "Cauvery". Trichy is a City Corporation. The most famous landmark of Trichy is the Rockfort temple which is perched on a huge rocky outcrop. Tiruchirappalli city encompasses Srirangam, a Vaishnavite temple and the biggest functioning Hindu temple in the world. Tiruchirappalli also contains "Thirunaikka", House of Water, one of the five main abodes of Lord Shiva. The College houses the famous "St. Lourdes Church" with sky high steeple known for its ambience and architecture. Tiruchirappalli has a moderate and pleasant climate, with humidity slightly above normal. The city experiences mild winters and humid summers. The timing of the monsoon in this part of the country has lately become unpredictable, with the rainy season starting from mid-October until early-November and the rains then extending until early or mid-January. The climate will be very pleasant during the month of March. In addition, the city is closer (15 km) to two thousand years old Grand anicut which saves and distributes water for irrigation from the river Cauvery to the tail end of the delta.

## HOST INSTITUTION

The Dodransbicentennial St. Joseph's College has always upheld and radiated Goodness and Truth in its endeavour to impart quality higher education. This educational establishment has been instrumental in churning out thousands of truly educated men; not only physically fit, but intellectually well equipped; nor merely cultured and refined but thoroughly schooled and disciplined. Thus this College stands for what is best in education, Crystallized in its glorious motto 'Pro Bono Et Vero' - ( meaning "For the Good and the True") truly upholding the glory and honour it richly deserves, testified by time and history.

## HOST DEPARTMENT

The post graduate Department of Biochemistry was started in the year 1993; from then it is imparting quality education in the field of life sciences. It has excellent infrastructural facilities to cater to the needs of the students. The teachers excel both in teaching and research. The thrust areas of research are antioxidant studies, cancer biology, cardiac biology, enzymology, phytotherapy, microbiology, histopathology and pharmacology. The department has organized workshops and seminars in the yester years in association with the other related departments. It has got many of its alumni well placed in India and abroad.

## SCOPE OF THE CONFERENCE

For patients with severely damaged organs, who are on a waiting list for a transplant, the availability of artificial organs could be the only way to survive. One way of creating artificial organs is the use of cell therapy and / or tissue-engineering techniques. How such artificial organs are made? What are the construction materials and procedures concerned? What are the technical difficulties and constraints? What are the solutions for those constraints? How these systems can be used for drug testing and discovery? All these make up the theme of this National conference on "Advances in artificial organ development and current strategies in drug discovery". The department of Biochemistry takes pride in deliberating the current strategies in the production of Microphysiological systems which encompasses organs on chip.

## THEME OF THE CONFERENCE

- 1) Animal Cell culture techniques : viability, toxicity testing, production of pharmacologically important products, culture media development and engineered cells
- 2) Chip development and applications
- 3) Biopolymers used in the tissue constructs
- 4) Drug testing
- 5) Pharmacology and Pharmacotherapeutics
- 6) Cell sorting
- 7) Artificial Organogenesis
- 8) Microphysiological systems
- 9) Oncology and carcinogenicity testing
- 10) 2D and 3D Organ culture and models

## PROMINENT SPEAKERS

**1. Dr. Subrahmanyam Vangala,**  
CEO,  
Reagene Biosciences Pvt. Ltd.  
Bangalore, Karnataka - 560 072.  
Title : "Drug Discovery & Development - Past, Present & Future"



**2. Dr. Anil Kumar PR**  
Scientist G  
In-Charge - Division of Tissue Culture,  
Department of Applied Biology,  
Biomedical Technology Wing,  
Sree Chitra Thirunal Institute of  
Medical Sciences and Technology,  
Tiruvananthapuram, Kerala  
Title : "Shifting 3D Culture - Opportunities & Challenges"



**3. Dr. P.V. Mohanan,**  
Scientist-G & Head, Division of  
Toxicology, Head, Department of  
Applied Biology Biomedical Technology  
Wing Sree Chitra Tirunal Institute for  
Medical Sciences and Technology  
(An Institute of National Importance,  
Dept. of Science and Technology, Govt. of India)  
Thiruvananthapuram Kerala.  
Title : "Microfluidic devices for biological evaluation"



**4. Prof. Dr. K. Prem Kumar**  
Head, Dept. of Biomedical Science,  
Bharathidasan University,  
Tiruchirappalli.  
Title : "Role of Genotoxicology testing in Drug Discovery"



**5. Dr. G. Mathan,**  
Associate Professor,  
Dept. of Biomedical Science,  
Bharathidasan University,  
Tiruchirappalli.



Title : "Advantages of in-vitro cell culture techniques in cancer drug discovery"

