



# BIOYOJANA - 2021

**International Conference  
on  
Current Trends in Biological Research (Virtual)**


**(Mode of language - English)**

**August - 12-08-2021 to 17-08-2021**

**Free Registration**

**Registration Link**

[https://docs.google.com/forms/d/e/1FAIpQLSFVaaCADFWr2m3wc3HW5\\_gFZS1dSEQuZwANBw9eB1OxzZffbQ/viewform?usp=sf\\_linkAdd a little bit of body text](https://docs.google.com/forms/d/e/1FAIpQLSFVaaCADFWr2m3wc3HW5_gFZS1dSEQuZwANBw9eB1OxzZffbQ/viewform?usp=sf_linkAdd a little bit of body text)

**Meeting platform - Google Meet** 

**Organized by**



**TANBIO R and D Solution  
Thanjavur – 613 403**



Research is our Life Style

## E.mail

tbrds.res@gmail.com  
tbrds.res@tanbio.in

## Contact

+91 90033 33459  
+91 97519 33459

## Website

www.tanbio.in  
www.biologyforum.in



# About us

## About TANBIO R and D Solution

TANBIO R and D Solution is a pioneer research and development company in Thanjavur, Tamil Nadu, INDIA. It was founded by Dr. B. Purushothaman M.Tech., Ph.D. on September 2016 and till now running successfully with number of mile stones in various divisions.

It has MoUs with 15+ University/ College/ Research Institute and companies around the world.

It has three major divisions i.e.,

### # Academic division

More than 10,000 students, research scholars, faculties and scientist were benefited.

### # Analytical division

It has 5 laboratories with 143 analysis, and servicing over the candidates from 100s of colleges, Universities and Companies.

### # Industrial division

It developed 9 food products, 3 pharma products, and 7 biotech products, and 23 products are under development.

## About BioYojana

BioYojana is an ideological conference conducted by TANBIO R and D Solution every year. Its motivation is to give ideas and awareness to the life science aspirants about the research and opportunities. In addition to that, it clearly says how to use and where to apply the research tools like techniques. Furthermore, the conference makes you all understand the importance of the research in life science.

BioYojana - 2020 was conducted successfully at Bharath College of Science and Management Auditorium, with 10 eminent speakers and more than 300 candidates were participated and benefited from the conference.

# Directors



**Dr. Purushothaman Balakrishnan M.Tech., Ph.D.**

**Founder, CEO and Scientist**

**Contact - +91 90033 33459**

**E.mail - [vinakspurushoth@gmail.com](mailto:vinakspurushoth@gmail.com)**

**[ceo@tanbio.in](mailto:ceo@tanbio.in)**

## Profile

Dr. Purushothaman Balakrishnan is the founder, CEO and Scientist of TANBIO R and D solution. He graduated B. Tech (Biotechnology) from Anna University and completed his M. Tech (Pharmaceutical technology) in SASTRA (Deemed to be University). Then he worked as a product manager in the pharmaceutical industry followed as JRF at Anna University. After that, he completed his Ph.D., at Periyar Maniammai Institute of Science and Technology (Deemed to be University). He has been in research for the past 14 years and has published several review & research articles and book chapter in SCI Journals. Collectively, he is an expert in drug design, drug discovery, drug development, drug formulation, and drug delivery towards various human cancers. He has characterized a herbal-based oral formulation (Tablet) to target and treat colon carcinoma. He founded TANBIO R and D solution in Sep 2016 and providing various services to students, researchers, faculty, and scientists all over the world. More than 10,000 candidates were benefited from him via various technical programs & services and he developed various divisions in TANBIO R and D Solution and reached number of milestone. He is running a specialized research team named TANBIO Research team and trained more than 174 students at free of cost.

**Dr. N. Suganthi Purushothaman M.Sc., Ph.D.**

**Managing Partner, Academic Director and Scientist**

**Contact - +91 90258 92344**

**E.mail - [suganthinbio009@gmail.com](mailto:suganthinbio009@gmail.com)**

**[managingpartner@tanbio.in](mailto:managingpartner@tanbio.in)**



## Profile

Dr. N. Suganthi Purushothaman is the managing partner, Academic director and Scientist in TANBIO R and D solution. She completed his M.Sc., and Ph.D., from Bharathidasan University. Then she Joined TANBIO R and D solution and established a microbiology laboratory. She has been in research for the past 9 years and has published several research articles in SCI journals. she is an expert in identification, isolation, characterization of secondary metabolites form plants and target against various human pathogens.

## MEET OUR TEAM

### **Et. Prasanna srinivasan Ramalingam M.Tech.,**

Research Associate

TANBIO R and D solution

who is skilled in drug discovery, screening, and validation against various cellular receptors by employing both In Silico and In Vitro techniques. His area of interest includes drug discovery, cancer epigenetics, and traditional medicine.



### **Et. Muralidharan Chinnaiyan M.Tech.,**

Research Assistant

TANBIO R and D Solution

He is a Research assistant and administrative manager of TANBIO R and D Solution. His research is based on drug discovery using bioinformatics tools.



### **Mr. J. Gowri Sankar Jambunathan B.sc., M.sc.,**

Research Assistant

TANBIO R and D Solution

He being with TANBIO R and D Solution since 2017. who is skilled in Microbiological techniques and his research area is Microbiology related to Cancer.



# Our Scientific Advisory Board



**Dr. Kumaran Shanmugam M.Sc., Ph.D., Ph.D.**

Dean Research  
Associate Professor, Dept. of Biotechnology  
Periyar Maniammai Institute of Science and Technology  
Vallam, Thanjavur  
Tamilnadu, INDIA



**Dr. Sreenath Subrahmanyam M.Sc., Ph.D.**

Director  
Institute of BioEcoScience  
Maryland,  
USA



**Dr. Jolius Gimbut Ph.D.**

Head of the Department  
Dept. Chemical Engineering,  
University Malaysia Pahang  
MALAYSIA.



**Dr. Rajagopal Desikan M.Sc., Ph.D.**

Head of the Department  
Associate Professor, Dept. of Chemistry  
VIT, Vellore Campus  
Vellore  
Tamilnadu, INDIA.



**Dr. Uthirappan Mani M.Sc., Ph.D.**

Head - Animal House  
CSIR-Central Leather Research Institute  
Adyar, Chennai  
Tamilnadu, INDIA.



**Dr. R. Vivek Ph.D.**

Assistant Professor,  
Dept. of Chemical Engineering,  
BITS Pilani,  
Goa campus.  
GOA, INDIA



**Dr. M. K. Mohan Maruga Raja M.Pharm., Ph.D.**

Associate Professor  
Dept. of Pharmacognosy  
Parul Institute of Pharmacy and Research, Parul University,  
Gujarat, INDIA.



**Dr. Balu Ranganathan Ph.D.**

CTO  
Palms Connect LLC  
Sandy, USA.



# Inaugural Session Agenda

Time 09.00 AM to 10.00 AM (IST)

Tamil Thai Valthu

**TANBIO Research Team**

Welcome Address

**Dr. B. Purushothaman M.Tech., Ph.D.**

Founder, CEO & Scientist  
TANBIO R and D Solution  
Thanjavur, Tamil Nadu, INDIA



Inaugural Address by Chief Guest

**Dr. Sathyanarayana N Gummadi M. Tech., Ph.D.**

Professor,  
Dept. of Biotechnology  
Indian Institute of Technology Madras,  
Chennai,  
Tamil Nadu, INDIA.

Chief Guest's Special Lecture

Title

**Fermentation Process for Value added  
compounds from Lignocellulose Biomass**

Vote of Thanks

**Dr. N. Suganthi Purushothaman M.Sc., Ph.D.**

Academic Director & Scientist  
TANBIO R and D Solution  
Thanjavur, Tamil Nadu, INDIA

National Anthem

**TANBIO Research Team**

# Conference Agenda

**DAY 1**

**AUGUST - 12.08.2021**

**THURSDAY**



**Dr. R. Vivek M.Tech., Ph.D.**

Assistant Professor

Dept. of Chemical Engineering

BITS Pilani, K K Birla,

Goa Campus. INDIA

## Title

**Perspectives on Bioprocess  
Engineering - Past, Present, Future**

**Time - 10.00 AM - 11.00 AM (IST)**



**Dr. Uthirappan Mani M.Sc., Ph.D.**

Head - Animal House

CSIR-Central Leather Research Institute (CLRI)

Adyar, Chennai - 600 020.

Tamilnadu, INDIA.

## Title

**Career opportunities in Biomedical  
Science in India**

**Time - 11.00 AM - 12.00 PM (IST)**



**Dr. D. Rajagopal Ph.D.**

Professor and HOD

Dept. of Chemistry, School of Advance Sciences,

Vellore Institute of Technology

Vellore. INDIA.

## Title

**New chemical entities derieved from  
medicinally important  
phytochemicals - An overview of  
recent efforts toward this direction**

**Time - 03.00 PM - 04.00 PM (IST)**



**Dr. Jolius Gimbun Ph.D.**

Professor and HOD,

Dept. of Chemical Engineering

University Malaysia Pahang

MALAYSIA.

## Title

**Drug delivery by nanofiber scaffold prepared  
using a needleless electrospinning**

**Time - 04.00 PM - 05.00 PM (IST)**

**DAY 2**  
**AUGUST - 13.08.2021**  
**FRIDAY**



**Dr. B. Purushothaman M.Tech., Ph.D.**

Founder, CEO & Scientist  
TANBIO R and D Solution  
Thanjavur, INDIA

**Title**

**Current Trends in Research and  
Entrepreneurship**

**Time - 10.00 AM - 11.00 AM (IST)**



**Dr. Jithendra Panneerselvam M.Tech., Ph.D., RPh**

Senior Lecturer, School Assessment lead,  
Dept. of Pharmaceutical Technology, School of Pharmacy,  
International Medical University,  
Kuala Lumpur, MALAYSIA.

**Title**

**Fundamentals of tissue Engineering and  
Regenerative medicine**

**Time - 11.00 AM - 12.00 PM (IST)**



**R. Kumaravenkatesan B.Pharm., M.L(IPR)**

Lawyer  
Thanajvur  
Tamilnadu, INDIA.

**Title**

**An introduction to IP (Intellectual  
Property) with special reference to  
Patents**

**Time - 03.00 PM - 04.00 PM (IST)**



**Dr. Sreenath Subrahmanyam M.Sc., Ph.D.**

Director  
Institute of BioEcoScience  
Maryland, USA.

**Title**

**Environmental Management - Current  
Trends, opportunities and possibilities**

**Time - 04.00 PM - 05.00 PM (IST)**



**DAY 3**  
**AUGUST - 14.08.2021**  
**SATURDAY**



**Dr. C. Bennett Chandran Ph.D.**

Lecturer

South Eastern Regional College,  
Downpatrick, UNITED KINGDOM.

**Title**

**Entrepreneurship and Employability skills  
in applied sciences**

**Time - 10.00 AM - 11.00 AM (IST)**



**Dr. Gopal V Shavi M. Pharm., Ph.D.**

Principal Professional (Process) - Global MSAT  
FGMIE

Technical Manufacturing Support & Development  
LEO Pharma, Dublin 12, IRELAND

**Title**

**Innovative drug delivery (IDD) aspects  
in Pharmaceuticals**

**Time - 03.00 PM - 04.00 PM (IST)**



**Er. B. Swami BE.,**

Founder and CEO

Ariviya

Silicon valley, San Francisco Bay Area  
California, USA.

**Title**

**Biotechers - The one who wins the new  
wars**

**Time - 11.00 AM - 12.00 PM (IST)**



**Dr. Jay Palanisamy Ph.D., MBA**

Global Demand Planning Expertise Manager

Dow Chemicals

Midland, Michigan, USA.

**Title**

**Demand planning as a career  
option for Biology students**

**Time - 04.00 PM - 05.00 PM (IST)**

**DAY 4**  
**AUGUST - 16.08.2021**  
**MONDAY**



**Dr. Sasikala Chinnappan M.Pharm., Ph.D., PGDDT**

Asst. Professor, Head of Pharmaceutical Biology,  
UCSI University  
Kuala Lumpur, MALAYSIA.

**Title**

**Nanofiber applications in wound  
healing**

**Time - 10.00 AM - 11.00 AM (IST)**



**Dr. M.K. Mohan Marugaraja M.Pharm., Ph.D.**

Associate Professor  
Dept. of Pharmacognosy  
Parul Institute of Pharmacy and Research,  
Parul University,  
Gujarat, INDIA.

**Title**

**Therapeutic potential of herbal drugs  
- An exploratory journey**

**Time - 03.00 PM - 04.00 PM (IST)**



**Dr. D. Shanthana Lakshmi Ph.D.**

Faculty,  
College of Pharmacy,  
Al-Kityab University,  
IRAQ.

**Title**

**Membrane / Micro Encapsulation  
Technology**

**Time - 11.00 AM - 12.00 PM (IST)**



**Dr. A. Kathalingam M.Sc., Ph.D.**

Associate Professor  
Millimeter-wave INnovation Technology (MINT)  
research centre,  
Dongguk University,  
Seoul, SOUTH KOREA

**Title**

**Nanomaterials in biosensing**

**Time - 04.00 PM - 05.00 PM (IST)**

**DAY 5**  
**AUGUST - 17.08.2021**  
**TUESDAY**



**Dr. Bakrudeen Ali Ahmed M.Sc., Ph.D.**

Associate Professor  
Dept. of Plant Biochemistry &  
Biotechnology  
PRIST Deemed University, Thanjavur, Tamil  
Nadu, INDIA.

**Title**

**Trends on secondary metabolites  
production to the pharmaceutical  
industry**

**Time - 10.00 AM - 11.00 AM (IST)**



**Dr. A. Mahamani Ph.D.**

Dean R & D  
Vemu Institute of Technology  
Chittoor, Andhra Pradesh, INDIA.

**Title**

**Research funding opportunities and proposal  
preparation**

**Time - 03.00 PM - 04.00 PM (IST)**



**Dr. P.C. Prabu, M.V.Sc., Ph.D.**

Director, Indian Board of Toxicologic Pathology &  
Assistant Professor, Department of Veterinary Pathology,  
Veterinary College & Research Institute, Orathanadu  
(VCRI),  
Chennai - 7, Tamil Nadu, INDIA

**Title**

**Laboratory animal welfare and research -  
The Academicians' perspective**

**Time - 11.00 AM - 12.00 PM (IST)**



**Dr. Vijay Asokan Ph.D.**

Senior Researcher,  
Chalmers University of Technology,  
SWEDEN.

**Title**

**Microscopy and Bioimaging**

**Time - 04.00 PM - 05.00 PM (IST)**

# Valedictory

**Time - 05.00 PM to 05.30 PM (IST)**

## Valedictory Speech



**Dr. M. K. Mohan Maruga Raja M.Pharm., Ph.D.**  
Associate Professor  
Dept. of Pharmacognosy  
Parul Institute of Pharmacy and Research, Parul University,  
Gujarat, INDIA.

## Vote of Thanks



**Dr. B. Purushothaman M.Tech., Ph.D.**  
Founder, CEO & Scientist  
TANBIO R and D Solution  
Thanjavur,  
Tamil Nadu, INDIA



# Our Photo Gallery

A collage of numerous photographs showing various academic and social events at Acharya Science College. The photos depict students, faculty members, and guests participating in seminars, workshops, and group activities. Some photos show individuals speaking at podiums, while others show groups posing for photos or students working on projects. Banners for events like "Slope in Life Sciences" and "Molecular Basis of Cancer" are visible in several images.