

## OBJECTIVES OF FDP

1. To update the professionals working in the area of Biotechnology, Chemical engineering, Environmental Engineering and Food technology about the recent advances in downstream processing.
2. To give insight into the current developments in various fields such as Enzyme purification, membrane
3. Technology, Protein purification and Chromatography etc.
4. To equip faculties to do the research in the field of downstream processing.

## IMPORTANCE OF FDP

The proposed FDP visualizes familiarizing faculty members in the field of Biotechnology, Chemical Engineering, and Food Technology with the emerging research aspects in the field of downstream technology which is an essential part of any industry. Faculty members will get an opportunity to learn the current aspects of downstream techniques and their application which mold the students into industry-ready professionals

## ABOUT THE DEPARTMENT

The Department of Biotechnology & Biochemical Engineering is a diverse and powerful faculty encompassing unique expertise in biochemical and molecular life sciences. The Department is recognized nationally as well as internationally for its research quality and output and for training students to be industry-ready professionals. The graduates show peer-recognized expertise, sustained learning and adapting to an ever-changing domain of professional development and entrepreneurship. This department is accredited by NBA since November 2019.

The department also offers PhD in the field of Biochemical Engineering and other research activities are carried out by faculty and students which is supported by various funding agencies.



**DEPARTMENT OF BIOTECHNOLOGY  
AND BIOCHEMICAL ENGINEERING  
&  
DEPARTMENT OF FOOD TECHNOLOGY  
ORGANIZES KTU SPONSORED FIVE DAY  
FACULTY DEVELOPMENT PROGRAMME  
ON**

***Novel Technological Advancements  
in  
Downstream Processing***

**30<sup>th</sup> January – 3<sup>rd</sup> February 2023**



**SREE BUDDHA COLLEGE OF ENGINEERING**

Pattoor P.O, Alappuzha

Approved by AICTE and affiliated to APJ Abdul Kalam Technological University

# RESOURCE PERSONS



January 30 FN

**Dr. G. Arthanareeswaran**  
Professor, Department of Chemical Engineering,  
NIT, Trichy

*“Recent developments in membrane separation technologies for downstream processing”*



January 30 AN

**Dr. R Sindhu**  
Associate Professor, Food  
Technology, TKMIT, Kollam

*“Screening, production, down stream processing and applications of biopolymers”*



January 31 FN

**Dr. Shilpa Lekshmi**  
Asst.Professor, Department of BT & BCE,  
SBCE,Pattoor

*“Protein downstream processing - Techniques and Applications”*



January 31 AN

**Dr A Sreekanth**  
Associate Professor, Department of  
chemistry, NIT, Trichy

*Applications of Spectroscopy in development of Sensors in Biotechnology*



February 1 FN

**Dr. Neethu K C**  
Scientist, Central Institute of Fisheries Technology,  
Kochi

*“Novel engineering solutions for post harvest fisheries technology”*



February 1 AN

**Dr. Leon Ittichan**  
Professor  
Department of Biotechnology  
Sahrdaya College Of Engineering & Technology, Trichur

*“Membrane Systems in Biotechnology: An overview”*



February 2 FN

**Prof. N Ramachandran**  
Retd. GEC, Trissur

*“Recent developments in downstream techniques and application in bioprocess industry”*



February 2 AN

**Dr. Aravind Madhavan**  
Scientist, School of Biotechnology,  
Amrita Vishwa Vidyapeetham,  
Amritapuri Campus, Kollam.

*“Recombinant proteins and downstream processing”*



February 3 FN

**Dr. Baby K C**  
Vice President, Synthite Industries Pvt.Ltd,  
Kerala

*“Applications of extraction for separating Bio ingredients to manufacture value added products”*



February 3 AN

**Dr. Binod Parameswaran**  
Principal  
Scientist, NIIST, Trivandrum

*“Downstream processing of microbial enzymes and biochemicals”*

## Sponsorship certificate

Certified that Mr/Mrs/Dr ..... is an employee of our institution and is hereby sponsored for the KTU sponsored Faculty Development Programme on “Novel Technological Advancements in Downstream Processing at Sree Buddha College of Engineering, Pattoor from 30<sup>th</sup> January – 3<sup>rd</sup> February 2023. He/she will be permitted to attend the programme for the entire duration, if selected.

Name and Signature of the Head of the Institution

College Seal

Place:

## How to apply

**Application form in the prescribed format duly filled up in all respects, along with the sponsorship certificate from the Head of the Institution; have to be uploaded through the link provided. The participant should bring the hardcopy of all the uploaded documents.**

<https://forms.gle/hy7Unh7uSjJz8d776>

SCAN ME



### Important Dates

**Last Date for Registration: 25<sup>th</sup> January 2023**  
**Intimation about selection: 26<sup>th</sup> January 2023**

REGISTRATION IS FREE

## Registration Form

**KTU sponsored Faculty Development Programme on “Novel Technological Advancements in Downstream Processing” 30<sup>th</sup> January – 3<sup>rd</sup> February 2023**

1. Name
2. Age
3. Gender
4. Qualification
5. Designation
6. Department
7. Organisation
8. Address for communication
9. Phone
10. Email
11. Accomodation required, Yes/No

### Declaration by the Applicant

The above mentioned information is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the course. I also undertake the responsibility to inform the coordinator, incase I am unable to attend the course.

Name

Signature

Place;

Date :

<b>Convener:</b>	<b>Prof Meera Bai, HoD; BT &amp; BCE</b>	
<b>Coordinators</b>		
<b>Ms Shamamol G K</b>	<b>Dr. Shilpa Lekshmi</b>	<b>Neethu Rajan</b>
<b>Asst Prof BT &amp; BCE</b>	<b>Asst Prof BT &amp; BCE</b>	<b>Asst Prof BT &amp; BCE</b>
<b>+91 9544016387</b>	<b>+91 9656555564</b>	<b>+91 9048928104</b>
<b>gkshamna@gmail.com</b>	<b>shilpalekshmi@gmail.com</b>	<b>neethuranjith67@gmail.com</b>