



SATHYABAMA

INSTITUTE OF SCIENCE & TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF BIO & CHEMICAL ENGINEERING
DEPARTMENT OF BIOTECHNOLOGY
ORGANIZES
VALUE ADDED COURSE ON
**"RECENT ADVANCEMENTS IN
FERMENTATION TECHNOLOGY"**

DATE: 02-10-2017 TO 18-10-2017 (15 WORKING DAYS)
TIME 3.00PM - 5.00PM (30 HOURS)

RESOURCE PERSONS

Dr. SURESH DHANARAJ
Professor
Microbial & Fermentation Tech.,
Fermentation Technology
Vels Institute of S&T & Advanced
Studies (VISTAS)
Pallavaram
Chennai-600117

Dr. S . RENGANATHAN
Professor
Dept., of Biotechnology
Anna University
Guindy
Chennai -600025

Dr.J.KIRUTHIKA
Assistant Professor
Dept., of Bio-Technology
Government College of
Technology
Coimbatore-641 013

ELIGIBLE STUDENTS: SCHOOL OF BIO & CHEMICAL ENGINEERING
ATTENDANCE IS MANDATORY FOR ALL CLASSES

FOR REGISTARTION
Dr. R. PRAKASH
9840522688

ORGANIZER
Dr. R. PRAKASH
ASST. PROFESSOR
DEPT., OF BIOTECHNOLOGY



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OBJECTIVES:

THE COURSE BLENDS SCIENCE AND ENGINEERING WITH VARIOUS BIOCHEMICAL PROCESSES TO OBTAIN PRODUCTS SUCH AS FOOD, CHEMICALS, VACCINES, MEDICINE. THE COURSE AIMS TO PROVIDE FUNDAMENTAL INSIGHTS TO EXPLOIT MICROBES FOR MANUFACTURING OF PRODUCTS WHICH HAVE HUGE INDUSTRIAL SIGNIFICANCE.

course content

- 1. Characteristics of bacteria: Morphology, structure and reproduction. A brief description of some important bacteria (6 HOURS)**
- 2. Fungal and Bacterial Fermentation. (6 HOURS)**
- 3. Fermentation for the production of primary & secondary metabolites. (6 HOURS)**
- 4. Mathematical model for batch fermentation. (6 HOURS)**
- 5. Solid state fermentation for production of enzymes. (6 HOURS)**

OUTCOMES:

PARTICIPANTS OF THIS COURSE WILL GET CLEAR, THOUGHTFUL AND BETTER UNDERSTANDING ON THE ROLE OF VARIOUS MICROBES USED IN INDUSTRY FOR NUMEROUS BIOTECHNOLOGICAL APPLICATIONS



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SCHEDULE

DATE	NAME OF THE INVITED SPEAKER	TIME
02.10.2017	Dr.Suresh Dhanaraj (Invited Speaker)	3:00 pm - 5:00 pm
03.10.2017	Dr.Utthralakshmi	3:00 pm - 4:00 pm
	Dr.Prakash	4:00 pm - 5:00 pm
04.10.2017	Dr.Prabhavathy	3:00 pm - 4:00 pm
	Dr.Bavanilatha	4:00 pm - 5:00 pm
05.10.2017	Dr.Valli Nachiyar	3:00 pm - 4:00 pm
	Dr.Usha Nandini	4:00 pm - 5:00 pm
06.10.2017	Ms.Renuka Devi	3:00 pm - 4:00 pm
	Dr.Sudha	4:00 pm - 5:00 pm
07.10.2017	Ms.Renuka Devi	3:00 pm - 4:00 pm
	Dr.Prakash	4:00 pm - 5:00 pm
09.10.2017	Dr.Ramesh Kumar	3:00 pm - 4:00 pm
	Ms.Renuka Devi	4:00 pm - 5:00 pm
10.10.2017	Dr.Sudha	3:00 pm - 4:00 pm
	Dr.Masilamani	4:00 pm - 5:00 pm
11.10.2017	Dr.S Ranganathan(Invited Speaker)	3:00 pm - 5:00 pm
12.10.2017	Dr.Prakash	3:00 pm - 4:00 pm
	Ms.Renuka Devi	4:00 pm - 5:00 pm
13.10.2017	Dr.Masilamani	3:00 pm - 4:00 pm
	Dr.Bavanilatha	4:00 pm - 5:00 pm
14.10.2017	Ms.Renuka Devi	3:00 pm - 4:00 pm
	Dr.Jayashree Nellore	4:00 pm - 5:00 pm
16.10.2017	Ms.Raji	3:00 pm - 4:00 pm
	Ms.Subashini	4:00 pm - 5:00 pm
17.10.2017	Dr.Ramesh Kumar	3:00 pm - 4:00 pm
	Ms.Chinnu Raju	4:00 pm - 5:00 pm
18.10.2017	Dr.Kiruthika (Invited speaker)	3:00 pm - 5:00 pm



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CERTIFICATE OF PARTICIPATION

This is to certify that, Mr./Ms./Mrs. AAKASH, a M.Tech Biotechnology Student of Sathyabama Institute of Science and Technology, has successfully completed value added course on "RECENT ADVANCEMENTS IN FERMENTATION TECHNOLOGY" organized by the Department of Biotechnology, Sathyabama Institute of Science and Technology from 02-10-2017-16-10-2017.

DR. RAMESH KUMAR
HEAD OF THE DEPARTMENT
DEPARTMENT OF BIOTECHNOLOGY
SATHYABAMA INSTITUTE OF
SCIENCE AND TECHNOLOGY

DR. PRAKASH P
ASSISTANT PROFESSOR
DEPARTMENT OF BIOTECHNOLOGY
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