

## CSIR Integrated Skill India Initiative



### Microbial Processes and Technology Division CSIR-NIIST, Thiruvananthapuram

CSIR-NIIST is one of the national laboratories established by Council of Scientific and Industrial Research (CSIR). Over the years, the institute has evolved as one of the top ranking CSIR laboratories with high quality publications, patent portfolio and several technology transfers, while contributing significantly towards human resource development. As part of NIIST's HR development initiative, the Institute is offering a short term certificate course on the production of technical grade enzymes through Solid Substrate Fermentation (SSF). CSIR-NIIST is recognized for its contributions in the field of SSF and has transferred several technologies for enzyme production based on SSF technologies. The course targets to provide knowledge and skills in the theory and practice of SSF and equip the participant with advanced skills essential in industrial enzyme production

Title of SDP (course)	: CSIR Certificate Course on Solid State Fermentation (SSF)
Duration of SDP	: Three months (12 Weeks)
No. of Seats	: 10 Nos
Educational Qualification	: B.Sc. in Microbiology, Biotechnology, any Life Science subject Diploma in Chemical/ Biochemical engineering
Age	: Max. 30 years as on 16 <sup>th</sup> June 2017 No age limit for sponsored candidates
Date of Commencement	: 10.07.2017
Venue of the Course	: CSIR-NIIST, Thiruvananthapuram
Course Fee	: Rs. 15,000/- Rs. 25000/- (Sponsored Candidates)

**Training for whom:** The programme targets individuals/professionals with some biology back ground having graduation in life science subject or chemical/biochemical engineering diploma holders who desire to acquire skills in solid state fermentation technology for production of microbial metabolites especially technical grade enzymes and their downstream processing.

**Faculty:** Scientists from Microbial Processes and Technology Division and invited faculty from other institutions shall teach the theory and practical classes for the enrolled students.

**Selection Procedure:** The selection will be purely based on merit and reservation of seats as per GOI rules. The list of shortlisted candidates will be listed in the website. The selection of sponsored candidates will be done separately.

**Sponsorship:** Industries, non-profit making social organizations, state and central Government organizations, Academics are welcome to sponsor candidates of their interest.

**Methods of Teaching:** The theory classes will be taught in English. Both marker boards and power point presentations (Projector) are available for theory classes. Hands on laboratory exercise shall be given to the candidates and pilot scale demonstration of SSF production of a model enzyme shall be demonstrated in the NIIST SSF pilot plant.

**Accommodation Facility:** No accommodation will be provided by the CSIR-NIIST.

### Salient Features of the Course

- Theory : Practical = 40:60
- Small group (10 trainees) for individual attention
- Lectures assisted with modernized teaching tools – including audio visual demonstrations
- Exposure to handling of relevant equipment and machinery
- Hands on practice on enzyme assays and downstream processing
- Interactive sessions, group discussions and assignment based monitoring

### Evaluation of Students:

All the students will be continuously evaluated based on,

#### Theory Course

- a. Weekly assignments, class tests etc.
- b. One final examination

#### Practical Course

- a. Monthly assignments
- b. Practical Monthly examinations
- c. One final examination

### Certification

A certificate will be issued on successful completion of the course.

### How to Apply

Interested candidates may download the application form and the filled in application along with copies of certificates may reach the following address on or before 16<sup>th</sup> June 2017. The application should be addressed to "The Administrative officer, CSIR-NIIST, Industrial Estate, Pappanamcode, Trivandrum-19". The envelope should contain the course name, "Skill Development Programme – SSF".

## Payment Details

The selected candidates will be admitted to the proposed course on payment of Rs. 15,000/-, / Rs.25,000 (sponsored candidates). The payment should be made by drawing a DD in favour of Director, CSIR NIIST, payable at Trivandrum

Note: Fee will not be refunded under any circumstances once paid.

## Dates to Remember

Last date for receiving of applications : June 16th, 2017  
Display of the short-listed candidates : June 22nd, 2017  
Last date for payment of fees : July 4th, 2017  
Course Commences from : July 10th, 2017



*For further information please contact:*

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