

Application Form

1. Name
(Block letter):
2. Designation:
3. Organization:
4. Address for communication:

- Pin code:
- Ph. No.: Fax No.:
- E-mail:
5. Sex: M/F
6. Date of Birth:
7. Highest Academic Qualification:
8. Specialization:
9. Teaching/ Research Experience (in years):
10. Present and future interest of candidate:

This is certified that the above information furnished by me is correct and verified.

Date: Signature of the applicant

Date: Signature
Head of Institution/Department/
Supervisor

For detail: Visit institute website www.cet.edu.in

Organizing Committee

Prof. J. K. Satapathy (Vice Chancellor, BPUT)	Patron
Prof. P.K. Hota (Principal, CET)	Chairman
Prof. H.N. Thatoi (HOD, Dept. of Biotechnology)	Coordinator
Dr. S.C. Sabat (Scientist G, ILS, Bhubaneswar)	Member
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Dr. K.C. Mondal (Associate Prof., Vidyasagar University)	Member
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Mr. S.C. Patnaik Lecturer, BT	Member
Dr. S. Dash Lecturer, BT	Member
Dr. M.R. Swain Lecturer, BT	Member
Mr. S.K. Das Lecturer, BT	Member
Mr. S.S. Behera Lecturer, BT	Member
Mr. B. Samantaray Lecturer, Chem.	Member
Dr. J.K. Patra TA, BT	Member

Application form should be sent to:

Dr. H.N. Thatoi
Coordinator
Department of Biotechnology
College of Engineering and Technology, Techno-
Campus, Ghatikia, Bhubaneswar-751003,
Odisha, India
Mobile: +91-9437306696, +91-8895084630
Fax No.: +91-674-2386182
E-mail: cetbtws@gmail.com

Short Term Course on **“FERMENTATION** **AND** **ENZYME TECHNOLOGY”**

1st to 5th February, 2013

Under TEQIP, Phase-II
Funded by World Bank



Organized by

DEPARTMENT OF BIOTECHNOLOGY
College of Engineering and Technology
A constituent college of
Biju Patnaik University of Technology
Techno Campus, Ghatikia,
Bhubaneswar-751003
www.cet.edu.in

About the College

The College of Engineering & Technology, Bhubaneswar was established by the Government of Orissa in 1981 to meet the growing technical man power need in the State. It is a constituent college of Biju Patnaik University of Technology (BPUT). The College is located in the Techno-campus at Kalinga Nagar (Ghatikia), near Khandagiri, Bhubaneswar.

About the Department

The Department of Biotechnology was established in the year 2007-08 academic session to impart teaching and research in B. Tech. Biotechnology. At present the department has established microbiology, fermentation technology, biochemistry, molecular biology and Plant Tissue culture laboratories with advanced equipments and implementing projects funded by DST, Govt. of Odisha, UGC-DAE, CSR, Kolkata.

About the course

The course related to both fundamental and advanced-level Fermentation and Enzyme Technology will be conducted by Department of Biotechnology, CET during **1st to 5th February, 2013**. This course aims to provide exposure to various techniques involved in fermentation and enzyme technology including isolation, characterization of novel microorganisms, their application in fermentation and enzyme technology, upstream, down stream processing, scale up, kinetics and modeling studies. Experts/eminent scientists will deliver lectures pertaining to the course module. Demonstration on the discussed experiments will be conducted in small groups under the expert supervision. Experts in the

field of Biotechnology from academic, research and industry will be involved as resource persons. Upon completion of this course, one will have an understanding of techniques that are currently being utilized in the biotechnology in the areas of fermentation and enzyme technology.

Course Contents

The Course topic is related to the following area by eminent scientists, academicians and experts from IIT, NIT, CSIR, IARI, DBT and other national institutes.

- Modern approaches of Fermentation technology and bioreactor design, scale up and process optimization.
- Industrial enzyme production, Submerged and Solid state fermentation, Conversion of agro- industrial waste products into value added products, Down stream processing.
- Isolation, characterization, identification and strain improvement for industrially important bio-derived products production.
- Bioethanol production from lignocellulosic material and starchy crops.
- Biofuel from algal biomass.
- Enzyme and whole microbial cell immobilization technology.
- Correlation between protein dynamics, enzyme kinetics, function and modeling.

- Thermostable bacterial and fungal enzymes. Enzyme purification and characterization -a modern approach and enzyme modeling.

Eligibility

The course is open to faculty members, research scholars and industry researchers engaged in study/research in life sciences. However preference will be given to those who are pursuing research fermentation and enzyme technology and related areas. A total number of **twenty applicants** will participate in the short term course.

Facilities

No registration fee will be charged for participants. Arrangement for accommodation will be made by the participants by themselves. However limited accommodation can be provided by the institute on request. Arrangements for tea and lunch during the course will be made by the institute. No TA/DA will be provided to the participants.

How to reach

The College is located in the Techno-campus at Ghatikia, Kalinga Nagar, Bhubaneswar , Odisha, India, about 2.0 km. away from Khandagiri caves and 3 km from Baramunda Bus stop.

Important dates

The last date for the receipt of duly endorsed applications: **25th January 2013**
Intimation of selection: **27th January 2013**