

## SPONSORSHIP

Prof./Dr./Mr./Ms./Mrs./\_\_\_\_\_ is an employee of our institute and his/her application is hereby sponsored. The applicant will be permitted to attend the short-term course on "Tools for Bioresources Conservation" at IIT Guwahati during July 11-15, 2011, if selected.

Date: \_\_\_\_\_ Signature of Sponsoring Authority

Designation: \_\_\_\_\_

Official Seal: \_\_\_\_\_

For applicants from Industries and Government Departments: \_\_\_\_\_

DD No. \_\_\_\_\_ Date: \_\_\_\_\_

Bank: \_\_\_\_\_  
Amount: \_\_\_\_\_

Signature of the applicant \_\_\_\_\_

**The duly filled application form should be mailed to:**

**Dr. L. Rangan or Dr. U.Bora**

*Course Coordinators*

Department of Biotechnology  
Indian Institute of Technology Guwahati  
Guwahati-781039, Assam, India

Ph: +91-361-2582214/2215 Fax: +91-361-2582249

Email: [lrangan@iitg.ernet.in](mailto:lrangan@iitg.ernet.in) or [ubora@iitg.ernet.in](mailto:ubora@iitg.ernet.in)

## ELIGIBILITY

The course is open mainly to teachers of Engineering colleges and polytechnics approved by AICTE. No course fee is charged for participants sponsored by AICTE approved institutions. However, Rs 1000/- caution-money has to be sent by the provisionally selected participants, which will be returned only when participant joins the course. Eligible participants from other governments departments and industries have to pay a course fee of Rs. 2500/- and Rs.5000/- respectively per person and they must meet the T.A. and D.A. from their own organization. The payment is to be made by demand draft drawn on any nationalised bank in favour of **QIP, IIT Guwahati, payable at Guwahati.**

## FINANCIAL ASSISTANCE

A limited number of participants from AICTE recognized institutions will be eligible for AC III tier railway fare\* via the shortest route from the place of work and free lodging and boarding during the course period. Candidates attending the course in full only will be eligible for TA and DA. For all other participants no TA/DA will be paid.

*\* Please note that Tatkal reservation charges will not be reimbursed.*

## BOARDING AND LODGING

Boarding and lodging facilities will be provided for the selected candidates from AICTE approved institutions in the student's hostels or guest house (depending on availability) of the institute.

## IMPORTANT DATES

Last date of receipt of duly filled applications: **30<sup>th</sup> June 2011**  
Intimation of selection **by e-mail: 2<sup>nd</sup> July 2011.**

For announcement and updates visit:

<http://www.iitg.ernet.in/biotech/qip.htm>

[http://www.iitg.ernet.in/scifac/qip/public\\_html/stc2011\\_12.htm](http://www.iitg.ernet.in/scifac/qip/public_html/stc2011_12.htm)

## QIP SHORT-TERM COURSE ON

## TOOLS FOR BIORESOURCES CONSERVATION



**July 11 - 15, 2011**

**Organized by**

**Department of Biotechnology  
Indian Institute of Technology Guwahati  
Guwahati-781039,  
ASSAM, INDIA**

## BACKGROUND

The unique richness of bioresources in Northeast (NE) India makes it a potential hub of economic growth of the country to a competent level if utilized and tapped efficiently. To derive appropriate returns in a sustainable manner, rich bioresources of the region require proper protection and utilization. One may maximize the returns by appropriately harnessing the power of tools available 'off the shelf'. The QIP on "Tools in Bioresources Conservation" is designed to offer an in-depth theoretical knowledge and hands on exposure to "Off the shelf" tools such as molecular markers and bioassays that provide direct value in key areas of conservation both *ex situ* and *in situ*. This course is further intended to sensitize and to strengthen the conservation and use of plant genetic resources with special emphasis on bioresources of NE region.

## COURSE CONTENT\*

*Outlines of the broad topics that will be covered during the course are as follows:*

Importance of Bioresources and their conservation  
Bioresources protection tools  
Ex situ and in situ conservation methods  
Molecular markers - DNA Typing; DNA Barcoding;  
Microsatellite Markers etc,  
Bioassays  
GI and Bioresource

\*Laboratory classes on some selected topics will be held regularly.

## FACULTY

Faculty members will be from the Department of Biotechnology, IIT Guwahati. Few faculty members from other Department of the institute will also deliver lectures. Moreover, few external speakers with expertise in related area will also be invited for lectures.

## COURSE MATERIAL

Short notes, slides and reference materials will be provided on CD/printed form.

## VENUE

Indian Institute of Technology Guwahati, the sixth member of the IIT fraternity, was established in 1994 and academic programs commenced in 1995. At present the Institute has eleven departments covering the major engineering and science disciplines. Gifted by nature with one of the most beautiful campuses in the continent the infrastructure for teaching and carrying out advanced research is world class being equipped with state-of-the-art engineering and scientific instruments. IIT Guwahati campus stands on a sprawling 285 hectares of land on the north bank of the river Brahmaputra.

The campus is about 25 Km. from the heart of the city. With the majestic Brahmaputra on one side, and hills and vast open spaces on the other side, the campus provides an ideal setting for learning. The city of Guwahati is the gateway to North East India and connected to many major cities in the country by rail and air. Weather during summer is hot and humid with temperatures varying between 25-32°C. Summer span is usually from May to September. Buses (from Panbazar over-bridge), auto-rickshaws and taxis are available from Guwahati City to the IIT Guwahati Campus.

## QIP SHORT TERM COURSE ON TOOLS FOR BIORESOURCES CONSERVATION July 11 -15, 2011

### Application form

1. Name (in block letters):
2. Designation:
3. Basic pay:
4. Organization:
5. Address for communication:
  
- Pin: \_\_\_\_\_ Ph. No: \_\_\_\_\_  
Fax no: \_\_\_\_\_ E-mail: \_\_\_\_\_
6. Academic Qualifications:  
i) M. Sc./M. Tech ii) Ph.D
7. Specialization:
8. Experience (in years):  
a) Teaching: b) Industrial: c) Research:
9. Amount of TA required as per entitlement mentioned in this brochure (only for AICTE approved college teachers)  
  
Rs.  
10. Preferred Accommodation:  
  
Hostel ☐ Guest House ☐  
  
Kindly register me for the QIP short-term course on TOOLS FOR BIORESOURCES CONSERVATION to be held at IIT Guwahati.  
  
Place: \_\_\_\_\_  
Date: \_\_\_\_\_ Signature of the applicant
- N.B. Interested candidates may send advance soft copy of the application to avoid procedural delay.