

## SHORT TERM COURSE

on

## BIOLOGICAL TREATMENT

## OF SOLID WASTE

February 8-10, 2016

Conducted by

Centre for the Environment

## ABOUT TEQIP

Under the TEQIP-II program sponsored by the MHRD

IITs have been invited to participate by establishing a

Centre dealing with KNOWLEDGE INCUBATION (KIC)

vide DO No. 16-25/2013-TS.VII dated 25th June

12013. These Centers are intended to become a focal

point for training Faculty, Staff and students from

TEQIP-II institutions in Knowledge Engineering,

Content Creation, Improving Teaching, Pedagogy &

administrative skills in identified niche areas/

disciplines.

## ABOUT KIC

KIC- Knowledge Incubation Cell at IITG functions as a

multi-disciplinary as well as interdisciplinary Innovation

Incubation Centre with Knowledge Management as its

focus. Its activities are in the area of improving quality

of technical education, incubator of Innovative Ideas;

implementer of contemporary pedagogy practices and development of Learning Content in Technical institutions.

#### ABOUT IIT GUWAHATI

#### SNAP OF CAMPUS

IIT Guwahati campus is spread over a sprawling 785 hectares plot of green land on the north bank of the river Brahmaputra around 25 km from the heart of the city. With hills and vast open spaces the campus provides an ideal setting for training. Details on how to reach IITG Campus are available on the website :

[www.iitg.ac.in](http://www.iitg.ac.in)

#### SPONSORSHIP / NOMINATION CERTIFICATE

Prof./Dr./Mr./Ms./Mrs./.....

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is an employee of our institute and his/her application is hereby sponsored / nominated. The applicant will be permitted to attend the short-term course "Biological Treatment of Solid Waste" at IIT Guwahati during February 8-10, 2016, if selected.

Our institute is (tick one):

☐ TEQIP Project funded /& listed Institution

☐ CFTI

☐ State Govt Funded Institution

☐ Other Institutions

Date.

Signature of Authority

Designation

Official Seal

Selected participants will be informed by e-mail

The duly sponsored / Nominated application form

should be mailed to:

Dr. Ajay Kalamdhad

Course Co-ordinator

Centre for the environment

Indian Institute of Technology, Guwahati

North Guwahati, Guwahati-781 039, Assam

Ph. No. 0361-258 2431(O)

Fax No.: 0361-258 2440

Email: kajay@iitg.ernet.in Page 2

#### ABOUT THE COURSE / EVENT

Faculty member of IIT Guwahati and guest

faculty members from other premier Institution/

Organization will deliver lecture.

#### COURSE CONTENTS

In India, approximately 36.5 million tonnes of solid

waste is generated annually and only about 10-40% of the municipal budget is utilized for solid waste management. Up to 50% of the waste generated daily remained uncollected in the cities; the remaining waste is collected irregularly, dumped in an uncontrolled manner, or burnt on vacant plots or on the outskirts of cities. The solid waste characteristics reveal that in India the organic fraction of the waste makes up 40–85% of the waste (National Solid Waste Association of India, 2003), depending on income and life style of the population. By biological treatment (composting/anaerobic digestion) of this fraction, a significant contribution could be made towards waste recovery and reduction and could, thus, help complete a valuable material cycle. The course will primarily enhance the knowledge related to the engineering principals of biological process to treat municipal solid waste for academics, scientists, engineers and practitioners who play key role in the development and management of solid waste projects.

Topics to be covered

- Evolution of solid waste management & ISWM
- Sources, types and Composition of solid waste

- Composting of organic waste
- Vermicomposting process
- Anaerobic digestion of organic waste
- Compost preparation at laboratory
- Laboratory analysis of solid waste and compost
- Biogas production at laboratory
- Field trip
- Panel Discussion

Please visit the website of Centre for the Environment to submit online form.

The centre URL is

<http://www.iitg.ernet.in/env/>

#### ELIGIBILITY

The course/ event is open to Faculty members , of TEQIP listed Institutions / Engineering Colleges and Govt. funded NE State Technical Institutions. Seats that remain unfilled will be open to other institutions.

No course fee is charged. Candidates from TEQIP institutions will be reimbursed TA & DA from their respective institutions.

#### BOARDING AND LODGING

Boarding and lodging facilities (Guest House or Hostel rooms) will be provided for the selected candidates from TEQIP listed institutions.

Depending on availability lodging may be extended

to non TEQIP candidates on self-payment basis.

#### IMPORTANT DATES

The last date for filling of online registration form or the receipt of filled application form and duly sponsored certificate by mail:

Applications by email: 10th December, 2015

Intimation of selection: 15th December, 2015

#### SELECTION CRITERIA:

Number of seats - 30.

Selection will be based on First cum first served basis from priority

(i) TEQIP mapped Institution (ii) CFTI (iii) State Govt Institutions (iv) Other institutions.

#### FINANCIAL ASSISTANCE FROM IITG

Limited number of selected Participants from CFTIs & State Govt institutions in the NE (ie: Non TEQIP funded institutions) may be eligible & considered for reimbursement of to and fro railway fare via shortest route in sleeper class (proof of journey / ticket needed) and free lodging and boarding in the hostel during course period.

Selected participants will be informed by e-mail

For all other participants no, TA/DA will be paid by IIT Guwahati.

Address for correspondence:

Dr. Ajay Kalamdhad

Centre for the Environment

Indian Institute of Technology, Guwahati

North Guwahati, Guwahati-781 039, Assam

Ph. No. 0361-258 2431(O)

Fax No.: 0361-258 2440

Email: kajay@iitg.ernet.in

Application Form

1. Name (block letters):

2. Designation & pay scale

3. Organisation

4. Address for communication

Pin code: Ph. No.:

E-mail:

Fax No.

Mobile No./ Telephone:

5. Highest Academic Qualification,

6. Spacialisation

7. Experience:

(a) Teaching:

(b) Industrial:

9. Choice of Accommodation:

☐ Hostel ☐ Guest House ☐ Will make my own  
arrangement.

10. Category: ☐ General ☐ Reserved

Please register me for the course on

“Biological Treatment of Solid waste” to be held at IIT

Guwahati.

I am sending an advance copy of this application by

email to the coordinator of the course.

I undertake to send the Hard copy signed by

the Head of our Institution.

Place:

Date:

Signature of the applicant