

**AICTE-MHRD Short Term Course
on
"ISSUES AND CHALLENGES OF WASTE
MANAGEMENT"**

16th -29th MARCH, 2009

Registration Form

Name:

Department:

Affiliation:

Address:

.....

Phone/Fax:.....

Email:.....

Accommodation required : Yes/ No

Details of Refundable caution money:

Amount Rs.....

D.D.No.....Dated:

Signature:

Date:

SPONSORSHIP CERTIFICATE

On the event of selection, Prof/Dr/Mr/Mrs.....

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will be allowed for participation of the above
programme.

THE HEAD OF THE DEPARTMENT/INSTITUTE
(WITH DATE & SEAL)

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**AICTE-MHRD
STAFF DEVELOPMENT PROGRAMME**

**ISSUES AND CHALLENGES OF
WASTE MANAGEMENT**

16th -29th MARCH, 2009



DEPARTMENT OF CHEMISTRY

NATIONAL INSTITUTE OF TECHNOLOGY

ROURKELA-768 009, ORISSA

COURSE OVERVIEW

Education and awareness in the area of waste and waste management is increasingly important from a global perspective of resource management. This programme aims to discuss the sustainability concerned about the unprecedented scale and speed of environmental pollution and degradation, and the depletion of natural resources. Local, regional, and global air pollution; accumulation and distribution of toxic wastes; destruction and depletion of forests, soil, and water; depletion of the ozone layer and emission of "green house" gases threaten the survival of humans and thousands of other living species, the integrity of the earth and its biodiversity, the security of nations, and the heritage of future generations. Waste management is the collection, transport, processing, recycling or disposal of waste materials in the form of solid, liquid, gaseous or radioactive substances. The term usually relates to materials produced by human activity, and is generally undertaken to reduce their effect on health, the environment and to recover resources from it. The recent trend of research in chemical sciences significantly emphasize on recourse effective operations and atom economy to reduce the generation of wastes in industrial chemical processes. This course will cover all the underlying aspects of waste management and reduction and the latest practices followed in this area.

FOCUSED AREAS

The broad outline of the course is as follows:

1. Solid waste management
2. Waste water treatment
3. Recent techniques for the prediction and monitoring of pollution
4. Environmental pollution and its abatement

5. Nanomaterials for environmental applications
6. Heterogeneous catalysis
7. Advanced materials for pollution control
8. Environmentally Benign Processes and Products
9. Renewable Resources
10. Surface and ground water pollution
11. Sustainable developments

VENUE

The Course will be organized at the Department of Chemistry, National Institute of Technology (NIT), Rourkela. The NIT, Rourkela was founded as the Regional Engineering College, Rourkela on 15/08/1961. The Institute was declared as National Institute of Technology with Deemed to be University status on 26th June 2002 and Institute of National Importance on 15th August 2007 by act of Parliament. It is a prestigious institute with a reputation for excellence at both undergraduate and postgraduate levels. The Chemistry department offers a number of open elective courses besides the core courses to B. Tech., M. Tech.(R) & M. Sc. students covering all specialised topics. Research programs in the department include cutting edge areas such as abatement of environmental pollution, nanomaterial synthesis, functional nanomaterials, nanoporous materials, application of nanomaterials in biotechnology, organic synthesis and organometallic chemistry. En route Howrah Mumbai main line of South Eastern Railway, Rourkela is well connected by railway service network with the rest of India, and also by

inters and intra state bus services. Rourkela railway station is approximately 6 km from NIT Campus.

PARTICIPANTS

Faculty members from AICTE approved Institutions in Chemistry/ Chemical/ ceramics/ metallurgy/Bio-Tech./ are eligible to attend.

TA FOR PARTICIPANTS

The participants are entitled to avail III AC Train Fare. The reimbursement of TA will be made as per AICTE guide lines such as production of necessary travel documents.

ACCOMODATION

Accommodation for participants will be arranged in the Guest House, visitor house and nearby hotels. Certificate will be given to the participants after successful completion of the Course.

IMPORTANT DATES

Last date of submission: **23.02.2009**
Intimation of acceptance: **27.02.2009**

REGISTRATION FEE

The course is sponsored by the Ministry of Human Resource Development, New Delhi. There is no registration fee for the faculty members of AICTE (All India Council for Technical Education) approved institutions. However, as a matter of confirmation for participation in the course, a caution money of Rs.300/- in the form of demand draft drawn in favour of "Continuing Education, NIT, Rourkela" payable at SBI, NIT Branch, Rourkela (code- 2109) to be sent to the coordinator along with the application form which will be refunded after the completion of the course.