



**ADVANCED WORKSHOP ON
MICROBIAL TECHNOLOGY FOR
CLEAN ENVIRONMENT
(18th - 21st September 2017)**

Sponsored By

MHRD
Government of India

(Under the Frontier Area of Science and Technology Scheme)

Jointly Organized by

***Tripura University
(A Central University)***



***Centre of Excellence in Environmental
Technology and Management
at
Maulana Abul Kalam Azad University of
Technology, West Bengal***

Insight About Tripura University (A Central University)

Tripura University is the first University in the state which came into being on 2nd October 1987, the birth day of Gandhiji, the 'Father of the Nation'. It received the status of a Central University on 2nd July 2007 under the Tripura University Act, 2007, as enacted by the parliament. The objective of the university is not only to advance knowledge through teaching and research in the areas of contemporary relevance to the country and the society but also to provide for studies in areas which would nurture that local tradition and culture, increase employability through vocational training.



Background of the Training Programme

The Centre of Excellence in Environmental Technology and Management is an outcome of the research endeavour of the Microbial Technology Group which started at West Bengal University of Technology (now renamed as Maulana Abul Kalam Azad University of Technology, West Bengal). The group continued to work on innovative areas of Microbial Technology and led to the setting up of the DST sponsored EKTA Incubation Centre, the first TBI at a University in West Bengal. The work of the group received its due recognition through award of the Centre of Excellence in Environmental Technology and Management under the FAST scheme of MHRD in 2014 being one among the 20 in the country. The group moved to Tripura University on 1st September 2015 and with it started the collaboration between COEETM at MAKAUT, WB and Department of Microbiology, Tripura University. Multiple trainings have been jointly organized since October 2015. In addition, new

electives in the area of Microbial bioreactors and Waste Water Treatment were offered by the Department of Microbiology (inception 2011) since 2016 to continue with the trend of training manpower in the direction of a “Swachh and Swanirbhar Bharat”. Continuing with the on going efforts, with the objective of training the next generation manpower in the area of Microbial Technology for Waste Water treatment for cleaner environment, the current National Advanced Workshop is being arranged with eminent experts from around the country.

Venue

Department of Microbiology, Daycare Building, Tripura University, Surjyamaninagar, West Tripura, Pin: 799022

Resource Persons

Prof. S Maitra, Hon’ble Vice Chancellor, Maulana Abul Kalam Azad University of Technology, West Bengal

Prof. A.R. Thakur, Former Hon’ble Vice Chancellor West Bengal University of Technology, Formerly Professor Calcutta University

Prof. L. Elango, Anna University Chennai

Prof. P. Bhattacharjee, Formerly Department of Chemical Engineering, Jadavpur University

Prof. C. Majumder, Department of Civil Engineering, Indian Institute of Engineering Science and Technology, Shibpur

Prof. S Chakraborty, Department of Chemical Engineering, Calcutta University

Dr. I. Mukherjee, Director, Centre of Excellence in Environmental Technology and Management, MAKAUT WB

Dr. N. Prabhune, Thermax India, Pune

Dr. K. Jangid, National Centre for Cell Science, Pune

Dr. A. George, Applied Biosystems (Thermo Fisher Scientific)

Dr. J Bandyopadhyay, MAKAUT WB

Dr S Ray Chaudhuri, Tripura University

Duration

4 Days: 18th – 21st September 2017

Number of Participants

Total: 20 (Twenty)

Who Should Apply

Faculties, Scientists, Research Scholars, PG Students working in the similar field are encouraged to apply. They should fill up the application form and send the same to the organizing secretary within 21st August 2017. The shortlisted candidates will be informed about their participation by 1st week of Sept. '17.

TA/DA Details

No TA/DA will be provided to the participants. However there is no registration charges for the same. Outstation students will be provided accomodation in the University Hostels (Based on availibility).

Organizing Committee from Tripura University

Prof. Anjan Kumar Ghosh, Hon'ble Vice Chancellor : Patron

Prof. B.K. Agarwala, Dept. of Zoology: Chairman

Dr. Shaon Ray Chaudhuri, Dept. Of Microbiology: Organizing Secretary and Convenor

Prof. Ajay Krishna Saha, Dept. of Botany : Member

Shri. Harjeet Nath, Dept. of Chemical & Polymer Engg.: Joint Organizing Secretary

Dr. Bipin Kumar Sharma, Dept. of Microbiology: Member

Dr. Alok Prasad Das, Dept. of Chemical & Polymer Engg.: Member

Dr. Sachin Bhaladhare, Dept. of Chemical & Polymer Engg.: Member

Address

Dr. Shaon Ray Chaudhuri,
Associate Professor and Head, Dept. Of Microbiology
Organizing Secretary and Convenor: Advanced Workshop on Microbial
Technology for Clean Environment
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Website: www.tripurauniv.in

Advanced Workshop on Microbial Technology for Clean Environment
(18th-21st September 2017, Tripura University, Agartala-799022)

Application Form

No.		Colour photo
<i>for Office use only</i>		
Prof Dr Mr Ms		
First Name	Middle Name	Last Name
M F	dd/mm/yyyy	Age
Gender	Date of Birth	
Designation	Nature of work	Highest Educational Degree (Discipline)
Institute/Organisation	Government/PSU/Private Type of Institute/Organization	
Correspondence Address, Line 1		Line 2
City	Pin	State Country
Phone/Mobile No.	E-mail (<i>all communications will be made on this</i>)	
Research/Professional Experience	Research interest	
R & D facilities available with the Participant/Group		
Signature		

Check List:

Duly filled-in application form is to be sent through **e-mail only** to shaonraychaudhuri@tripurauniv.in

One page write-up with current area of research justifying the need to attend this programme must accompany the filled up form



Advanced Workshop on Microbial Technology for Clean Environment

Jointly Organized by COEETM, MAKAUT, WB and Tripura University

18th to 21st September 2017

Date	10.00-12.00	12.00-2.00	2.00-2.30	2.30-5.00
18 th Sept 2017	1. Theme of the workshop (Dr I Mukherjee , COEETM, MAKAUT, WB) 2. Microbial Technology for clean environment (Dr S. Ray Chaudhuri , TU)	3. Effect of treated water on soil health: Geological perspective (Prof L Elango , Anna University)	Lunch	4. Parameters of Waste Water Analysis during treatment: Industrial perspective – Theory (2.30 -3.30) and Laboratory (3.30-5.00) (Dr N Prabhune , Thermax India)
19 th Sept 2017	5. Microbial Isolation and Identification (Dr K Jangid , NCCS, Pune)	6. Insilico Analysis of Draft Genome Sequence for Microbial Identification (Dr A George , Thermo Fisher Scientific)	Lunch	7. Parameters of Waste Water Analysis during treatment: Industrial perspective – Laboratory (Dr N Prabhune , Thermax India)
20 th Sept 2017	8. Photo oxidation as a pre-treatment for biological treatment of Waste Water (Prof S Chakrabarti , CU). 9. Design of Experiment and Response Surface Methodology for Advanced Research (Prof C Majumder , IEST)	10. Bioreactor Design (Prof P Bhattacharjee , Formerly JU)	Lunch	11. Parameters of Waste Water Analysis during treatment: Industrial perspective – Laboratory (Dr N Prabhune , Thermax India)
21 st Sept 2017	12. Time series analysis of Bioreactor data (2.30 – 3.30) (Dr I Mukherjee , COEETM, MAKAUT WB) 13. Analysing C. elegans behaviour as a parameter for treated water quality testing (Dr J Bandyopadhyay , MAKAUT WB)	14. Mathematical Analysis of Biological Data (Dr I Mukherjee , COEETM, MAKAUT WB) (12:00 – 1:00 PM) 15. Microbial Biofilms (Prof A R Thakur , Formerly Calcutta University) (1:00 PM – 2:00 PM)	Lunch	16. Presentation by the participants (2.30 – 3.45) 17. Feedback session for the participants (3.45 – 4.15) 18. Valedictory Session and Certificate Distribution (4.15 – 5.00)

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Dr Shaon Ray Chaudhuri, Dept of Microbiology: Organizing Secretary and Convener
Prof Ajay Krishna Saha, Dept of Botany: Member
Dr Bipin Kumar Sharma, Dept of Microbiology: Member
Dr Alok Prasad Das, Dept of Chemi& Polym Engg: Member
Dr Sachin Bhaladhare, Dept of Chem & Polym Engg: Member
Mr Harjeet Nath, Dept of Chem & Polym Engg: Joint Organizing Secretary

Venue: Department of Microbiology, Daycare Building, Tripura University, Suryamani Nagar, West Tripura, Pin-799022

Participant Number: 20

Selection Criterion: Participants (Master degree students and above) have to provide their biodata and a one page write up with the current area of research justifying their need to attend this workshop to the organizing secretary within **21st August 2017**. The shortlisted candidates will be informed about their participation by first week of September 2017.

No TA/DA will be provided to participants. Outstation students will be provided accommodation in the University Hostels (based on availability).

For further details contact: shaonraychaudhuri@tripurauniv.in