



Sweet Sorghum



Rice Husk



Corn Stalks



Wheat Straw



Indo-Finnish Workshop on Green Chemistry

December 13-14, 2013

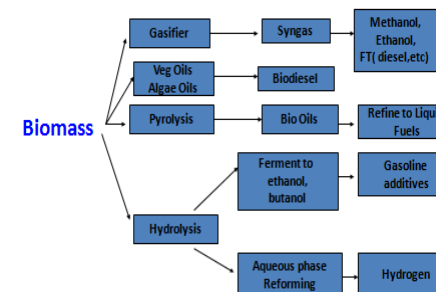
Theme: Green catalytic approaches for production of biofuel and chemicals

Sponsored by:

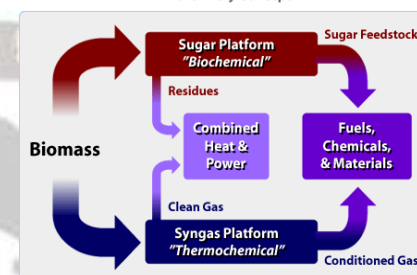
DST, New Delhi, India

(Under the joint Indo-Finnish research project sponsored by Department of Science & Technology, India and Academy of Finland, Finland)

Pathways to Renewable Transportation Fuels



Biorefinery Concept



Organized by

Department of Energy
Tezpur University, Tezpur,
Assam, India

Importance of the theme

Conventional resources, mainly fossil fuels, are becoming limited because of the rapid increase in energy demand. This imbalance in energy demand and supply has placed immense pressure not only on consumer prices but also on the environment, prompting mankind to look for sustainable energy resources. An important current focus of research in chemistry, engineering, agriculture, and environmental policy is the development of clean technologies that utilize a sustainably produced feedstock to the largest extent possible. Biomass is one of the few resources that has the potential to meet the challenges of sustainable and green energy systems. Biomass can be converted into three main products such as energy, biofuels and fine-chemicals using a number of different processes. Today, it's a great challenge for researchers to find new environmentally benign methodologies for biomass conversion, which are industrially profitable as well.

Objectives of the Workshop

The purpose of this workshop is to gather researchers and academicians from multiple

research disciplines and backgrounds, to facilitate discussions within and between groups of experts, to provide original perspectives on the scientific challenges of the coming decade and to establish an integrative collaboration, aiming to promote the construction and transfer of new ideas and methods for production of green biofuel and chemicals. Participants will have the opportunity to interact with the experts for exchanging new ideas and future dimension of research relevant to the theme of the workshop.

Expected Key Speakers (India)

1. Prof. G.D.Yadav.
Vice-Chancellor and R. T. Mody Distinguished Professor, Jagdish Chandra Bose National Fellow (DST-GOI) Chemical Engineering Department Institute of Chemical Technology, Mumbai, India
2. Dr. Darbha Srinivas
Chief Scientist, Catalysis Division
CSIR-National Chemical Laboratory
Pune - 411 008 India
3. Dr. Savita Kaul
Principal Scientist
HOA, Chemical Conversion Area
Bio-Fuels Division (BFD)
CSIR-Indian Institute of Petroleum (IIP)
Dehradun, Uttarkhand, India
4. Dr. D K Tuli,
General manager (alternate energy), IOC
Sector-13, Faridabad-121007
Haryana, India

5. Dr. Ramkrishna Sen
Professor,
Dept. of Biotechnology
IITK, Kharagpur
India – 721302
 6. Prof. K K Pant
Department of Chemical
Engineering
Indian Institute of Technology
Delhi, New Delhi- 110016, INDIA
 7. Dr. Thallada Bhaskar
Senior Scientist & Head of Area
Thermo-catalytic Processes Area
Bio-Fuels Division (BFD)
IIP, Dehradun, India
 8. Dr. Vijay S. Moholkar
Professor & HoD
Department of Chem. Engin.
IIT Guwahati
Guwahati-781039
 9. Dr. Dipak Kumar Dutta
Scientist F, Material Science
Division, NIEST, Jorhat
- ## Expected key speakers (Finland)
1. Prof. Jyri-Pekka Mikkola,
Abo Akademi University, Finland
 2. Dr. Narendra Kumar,
Abo Akademi University, Finland
 3. Dr.Sc., Chem.Eng. Pasi Virtanen
Abo Akademi University, Finland

Steering Committee

Patron: Prof. M.K. Chaudhary Vice-Chancellor, Tezpur University

Chairman: Prof. D.C. Baruah, Dept. of Energy, TU

Convener: Prof. D. Deka, PI-India, Indo-Finnish project, Dept. of Energy, TU

Joint Co-Conveners:

a) Dr. Ashim Jyoti Thakur, Dept. of Chemical Sciences, TU

b) Dr. Rupam Kataki, Assoc. Prof. Dept. of Energy

5. Members :

- a) Mr. Sadhan Mahapatra, Asst. Prof. Dept. of Energy, TU
- b) Mr. Pradunna Kr. Choudhary, Asst. Prof. Dept. of Energy, TU
- c) Mr. Pankaj Kalita, Asstt. Prof. Dept. of Energy, TU
- d) Mr. Subrata Das, SRF, Indo-Finnish project, Dept. of Energy, TU
- e) Mr. Plabon Bora, Research Scholar, Dept. of Energy, TU

Who can participate:

Faculty members and Research Scholars/M.Tech. students working in the relevant field of research in different Institutions are welcome to participate in the Workshop. The maximum limit of the participants will be 150 nos.

Accommodation for participants:

Students participating from outside institutions will be accommodated in the University Hostels.

Faculty members of the outside institutions will be accommodated in the University Guest House on prior requisitions through conveners of the workshop subject to availability of seats.

How to reach Tezpur University:

Road link:

Regular Bus services are available from Guwahati (ISBT/Machkhowa) to Tezpur ASTC Bus Station via Nagaon or Mangaldoi. To reach Tezpur University, University Bus Services are available from Tezpur ASTC Bus Station via Dolabari to University Campus in scheduled time. Besides University Bus Service, Taxis are available from Tezpur Town (Near ASTC Bus Station) or Mission Chariali and Private Bus from Tezpur Town (Near Idgah Maidan) to reach University

Railway link:

Nearest main rail hub is Guwahati which is well connected by different Trains from other important places. To reach Tezpur University, road link connectivity may avail from Paltan Bazar Railway Station, Guwahati.

Air link :

Lokapriya Gopinath Bordoloi International Airport is located at Guwahati, the capital city of Assam. To reach Tezpur University, road link connectivity may avail from Guwahati Airport.

For more information, please visit the University website: [www.tezu.ernet.in/important-links/visiting the University](http://www.tezu.ernet.in/important-links/visiting-the-University).

How To Register:

Filled-in Registration Form along with Demand Draft to be sent to Prof. D. Deka, Tezpur University Tezpur-784028 by 5-12-2013. An e-mail with a scanned copy of Registration form and Demand Draft should be sent to dhanapati@tezu.ernet.in as early information. Spot registration is also allowed on submission of registration form and necessary fee with prior information to the Convener.

Registration fee of Participants:

a) Inside University

Students : Rs. 100 per participant

Faculty members: Rs.300 per participant

b) Outside University

Students: Rs. 200 per participant

Faculty members: Rs.1000 per participant if accommodation is needed. Rs. 500 per participant without accommodation.

Indo-Finnish Workshop on Green Chemistry December 13-14, 2013

**Theme: Green catalytic approaches for
production of biofuel and chemicals**

Registration Form

1. Name:
2. Affiliation:
3. Position:
4. Address/Contact No./e-mail id:
5. Payment Method: D.D./Cash:
6. DDNo:.....Date.....Amount.....
7. Signature:
8. Date:

Send via e-mail to: dhanapati@tezu.ernet.in

Contact Details:

1. Prof.Dhanapati Deka,
Convener, Indo-Finnish
workshop on Green chemistry,
Professor and Head, Department
of Energy, Tezpur University,
Tezpur, Assam, India.
E-mail:dhanapati@tezu.ernet.in
Phone: +91 3712 27 5301,
+91 3712 27 3675,
+919957184356(mobile)
2. Dr.Ashim jyoti Thakur
Department of Chemical
Science, Tezpur University,
Tezpur, Assam, India.
E-mail: ashim@tezu.ernet.in,
Phone: +91 3712 27 5059 (o)