



International Symposium on “New Horizons in BioEnergy Research” (14-16 January 2013)



Organized by
PK Sinha Center For BioEnergy
Indian Institute of Technology, Kharagpur - 721302,
West Bengal, India

1. Objective of the Symposium

P K Sinha Centre for Bioenergy is honored to invite all the Bioenergy concerned fraternity for the 2nd International Symposium on '**New Horizons in BioEnergy Research, 2013**' to be held on January 14-16th at IIT Kharagpur. The event has been organized by the centre, for congregation of the Bioenergy experts and budding entrants to explore leading edge concepts and existing applications on global bioenergy sector.

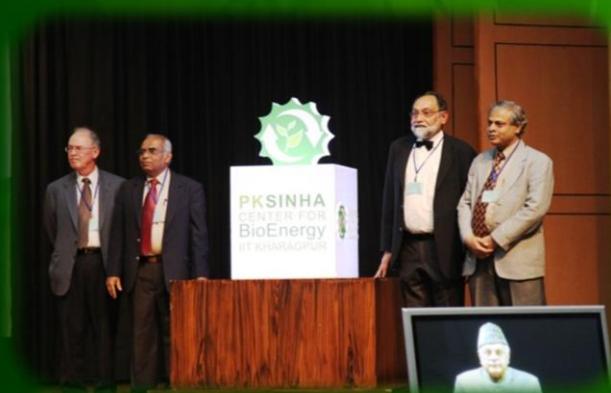
Bioenergy is gaining attention in the global quest for alternative energy that can replace fossil fuels and solve the looming energy crisis. To realize the substantial potential of bioenergy and help bring about the transition to a sustainable low carbon economy, there is a need to inform and guide research. A roadmap will enable the science community and others who shape the direction of science, to identify gaps and unlock unique potentials of bio based economy.

Thus the purpose of the present forum is construction of the roadmap, to empower and secure our tomorrow in a greener way by learning from experiences of the experts and exploring novel ideas. Overall focus will be on currently available technology and their applications for development of efficient, sustainable and economic bioenergy solutions that ultimately work.



2. About Indian Institute of Technology, Kharagpur

Indian Institute of Technology (IIT) Kharagpur, the first of its kind was established in the year 1951 near Kharagpur at the Hijli Detention Camp in eastern part of India. Probably this is the only Institute in the world which started its journey from a prison house. This Institute is the largest and oldest among the family of 15 IITs established by the Government of India. The campus area is around 2100 acres. It houses 19 Departments, 8 Centers of excellence and 8 Schools in a lush green and serene campus free from urban noise and pollution, representing the modern "Gurukul Ashram" of the developed India. It has one of the largest library facility with holding capacity of more than 3.6 lakhs. The campus provides almost 800 acres of residential area which includes 20 students' hostel and 1751 staff quarters. It also offers modern amenities to the residents like green parks, huge playgrounds, big auditoriums, Gymnasium, swimming pool for students, faculties and staff members., health care centre, cultural-cum-social and recreational zones for campus community and so on. The Institute has just celebrated its Diamond Jubilee in 2011.



3. About P. K. Sinha Center for Bioenergy at IIT Kharagpur

With the world facing significant challenges on the energy and climatic front, Bioenergy has the unique potential of being an important source of cost effective renewable energy. IIT Kharagpur has been working on Bio-fuels research for several decades and has the ambition of leap-frogging into the next generation with the launching of the P K Sinha Center for BioEnergy. P K Sinha Center for Bioenergy at Indian Institute of Technology – Kharagpur was incepted on August 31, 2009 at the hands of its founder Dr. Prabhakant Sinha. An IIT Kharagpur alumnus, he is also the founder and Co-Chairman of ZS Associates. P K Sinha Center for Bioenergy is India's first integrated Bioenergy center. The Center's activities include knowledge in action by partnering with the government, commercial organizations, knowledge dissemination through academia, industry and policy makers. The center's faculty members are currently working in the areas of Bio-ethanol, Bio-methane, Bio-diesel, Bio-hydrogen, Algal and Microbial fuel cells and Genetic prospecting of energy crops.



3. Theme

The Symposium is aimed to discuss the different challenges and prospects of biofuel production.

4. Location

Situated about 120 km west of Kolkata, Kharagpur can be reached in about 2 hours by train from Howrah railway station of Kolkata or 3 hours by car from Kolkata Airport. Kharagpur is also connected by direct train services to most major cities of the country. Kharagpur is known for two landmarks, the longest railway platform, and the Indian Institute of Technology (IIT). The Institute is about 10 minutes drive (5 km) from the Kharagpur railway station. Private taxi, autorickshaw or cycle-rickshaw can be hired to reach the Institute.

5. Venue and Duration

The symposium will be held at the Gargi Auditorium, Vikramshila Complex, Indian Institute of Technology Kharagpur, during January 14-16, 2013.



6. Programme

Session details

14.01.2013

Registration
Inauguration
Tea Break
Key note address
Invited Lectures (1, 2)
Lab Visit
Inaugural dinner

15.01.2013

Key note address
Invited Lectures (3-5)
Tea Break
Invited Lectures (6,7)
Lunch
Poster Session
Tea Break
Invited Lectures (8,9)
Meeting with PG & PhD students
Dinner

16.01.2013

Key note address
Invited Lectures (10,11)
Tea Break
Invited Lectures (12,13)
Lunch
Panel Discussion
Valedictory Session
Tea Break

7. Important dates

Deadline for abstract submission

Registration

15th December 2012

14th January 2013

8. Invited Speakers



Dr. Chris R. Somerville
Professor of Alternative Energy and EBI
Director
University of California, Berkeley
USA



Dr. Prabhakant Sinha
Founder and Co-Chairman,
ZS Associates
USA



Dr. Nathan J. Hillson
JBEI Fuels Synthesis Research Division:
Director of Synthetic Biology
University of California, Berkeley
USA



Dr. Abhijit Nagchaudhuri
Professor,
University of Maryland, Eastern Shore
USA



Dr. Madhumi Mitra
Associate professor,
University of Maryland, Eastern Shore
USA



Dr. Yoram Oren
Professor,
Zuckerberg Institute for Water Research
Israel



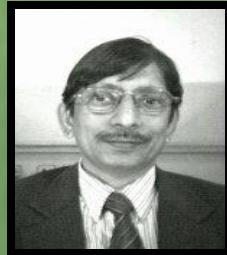
Dr. Amit Ghosh
Postdoc,
Lawrence Berkeley National
Laboratory, USA



Dr. Purbasha Sarkar
Postdoc,
Lawrence Berkeley, National
Laboratory, USA



Dr. Ashok Pandey
Professor,
CSIR-NIIST
Trivandrum



Dr. A.K. Sinha
Professor,
IIT Kharagpur



Dr. Soumitra Biswas
Adviser/Scientist-G
TIFAC
New Delhi



Dr. M.M. Ghangrekar
Professor,
IIT Kharagpur



Mr. B.K. Datta
Executive Director,
BPCL
New Delhi



Dr. S. Chakraborty
Assistant professor,
IIT Kharagpur



Dr. D.M. Kale
Director General,
OEC
New Delhi



Dr. D. Das
Professor,
IIT Kharagpur



Dr. R. Banerjee
Professor,
IIT Kharagpur



Dr. R.K. Sen
Associate professor,
IIT Kharagpur

9. Tourist attraction

Kolkata City situated about 120 km from Kharagpur, is the major tourist attraction. It is known for its rich cultural heritage of Temples, Parks, and Heritage Buildings of more than 100 years old. Kolkata can be reached in about 2 hours by train from Kharagpur railway station.



Dakshineshwar Temple dedicated to Goddess Kali, is located on the banks of river Hooghly. The presiding Deity, Goddess Kali is surrounded by 12 other temples dedicated to Lord Siva. Built in 1847 by Rani Rasmoni in a navratna style, the temple measures 46 square feet and rises over 100 feet high and is one of the famous places of pilgrimage.



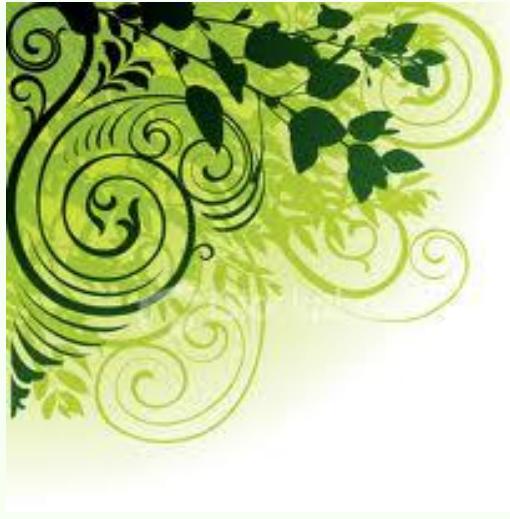
Sunderbans mangrove forest, is the largest mangrove forest in the world (140,000 ha), that lie on the delta of the Ganges, Brahmaputra and Meghna rivers on the Bay of Bengal. It is recognized as world heritage site by UNESCO and known for its wide range of fauna, including 260 bird species, the Bengal tiger and other threatened species such as the estuarine crocodile and the Indian python.



Chandipur is a popular beach town situated near the Bay of Bengal at a distance of 103 km from the Kharagpur railway station. The beach is unique in that the water recedes from 1 to 4 kilometers during the ebb tide. Chandipur-on-sea is also the site of the Indian Army's integrated test range.

Digha is a seaside resort town in East Midnapore district of West Bengal. It is the most popular sea resort renowned for its beaches, sunrise and sunset.





11. Sponsorship

The organizing committee is actively seeking sponsorship for various activities and events as it is an ideal platform to reach out the young talents and renowned scientists.

The committee take this opportunity to request you to be a sponsor of this event of international repute. Sponsor who have come forward to donate more than Rs. 3,00,000 will be title sponsors, while those who will donate more than Rs. 2,00,000 will be duly acknowledged with free banner exhibition in addition to advertisements in the book of abstracts.

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10. Organizing committee

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