

Resource Persons

The following eminent speakers are invited as resource persons for the event:

- Engr. Amjad Ali Awan
CEO, Alternative Energy Development Board, Islamabad
- Prof. Dr. Mohammad Aslam Uqaili
Mehran University of Engineering and Technology, Jamshoro
- Dr. Jonathon Nixon
Aerospace and Aircraft Engineering, Kingston University, London, UK
- Prof. Dr. Khanji Harijan
Department of Mechanical Engineering, Mehran University of Engineering and Technology, Jamshoro, Pakistan
- Ms. Diana Nicoleta Vienesu
Research Scholar, Aerospace and Aircraft Engineering, Kingston University, London, UK
- Mr. Mushtaq A. Mirani
Sindh Rural Support Program (SRSP)
- Prof. Dr. Liaqat Ali Memon
Department of Mechanical Engineering, Quaid-e-Awam University of Engineering, Science and Technology, Nawabshah, Pakistan
- Dr. Najma Memon
Associate Professor, National Centre of Excellence in Analytical Chemistry, University of Sindh, Jamshoro.
- Dr. Abdul Razaque Sahito
Associate Professor, Institute of Environmental Engineering and Management, MUET, Jamshoro

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Ms. Sher Bano Fatima
Ms. Hira Soomro
Engr. Dileep Kumar

Who Should Attend?

The Professionals, Scientists, Industrialists, Government Organizations, NGOs, Investors, Stakeholders, Biomass Energy Consumers and Postgraduate Students in the field of Biomass Energy.

Mehran University of Engineering
and Technology, Jamshoro

One Day Seminar on

Biomass Resource Utilisation for Clean
Energy Production and Socio-Economic
Development in Rural Areas



11:00 AM

Wednesday, January 13, 2016

Makhdoom Daud Hall, MUET, Jamshoro

For details:

Prof. Dr. Khanji Harijan (PI)
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Organized by:



Project Overview

Pakistan is facing severe energy crises. Energy shortages have not only affected the common man but severely affected the economic activities, leading to reduction of production in industries. The energy crises have also led to fewer job opportunities.

Pakistan meets about 85% of its commercial energy needs from fossil fuels. The country is heavily dependent on import of oil due to limited resources of oil and gas and non-utilization of indigenous coal.

About 65% of the country's population lives in rural areas and most of them have no access to natural gas, as such, and use biomass for cooking and heating. The consumption of biomass in inefficient cook stoves in rural and semi-urban areas degrades the indoor air quality. High exposures to indoor air pollutants (IAP) has resulted in serious health problems such as acute respiratory infections, chronic obstructive lung disease, tuberculosis, blindness and lung cancer especially in women and children. The IAP causes about 100,000 premature deaths annually in Pakistan.

The country produces substantial quantity of biomass that could be used efficiently for clean energy production such as utilization of biomass through efficient cook stoves and production of biofuels (anaerobic digestion, pyrolysis etc.). The acceptance of efficient cook stoves, biogas units, etc. is encouraging in Pakistan, but their dissemination is still far below the estimated potential due to the constraints of un-affordability, unawareness, and the lack of skilled persons to build, operate and maintain the systems.

The main objective of this project is to explore the biomass potential for the production of clean energy for heating,

cooking and other purposes. The project aims in capacity building and transferring the knowledge in the area of clean bioenergy production and utilization. The biomass energy systems will be investigated for their techno-economic viability. The socio-economic impacts of the systems will also be assessed. Proto-type units of these systems will be designed, developed and demonstrated. Effective education and outreach programs will be devised to speed sustainable implementation rate of clean biomass energy systems. The efficient use of biomass would increase energy independence, improve domestic economies, improve the health of women and children, and reduce IAP. Industry will also be benefited with the work carried out for developing locally available biomass resources conversion and utilization systems.

Seminar Theme

The seminar covers wide range of topics in the area of Biomass Resource Utilization for Clean Energy Production and Socio-Economic Development in Rural Areas.

- Potential of Biomass resources in Pakistan
- Utilization of Biomass for clean energy production in rural areas.
- Socio-economic development in rural areas through utilization of clean Biomass Energy.
- Environmental aspects of Biomass Energy.
- Gender and Biomass Energy.
- Policies for Biomass Energy development in rural areas.

Certificates of Participation will be distributed among the participants at the end of the seminar.

One Day Seminar on

Biomass Resource Utilisation for Clean Energy Production and Socio-Economic Development in Rural Areas



Registration

Academia	Rs. 500/- per participant
Industry/Others	Rs. 1,000/- per participant

Registration can be made by filling up the registration form provided here and submit on the registration desk on the seminar day.

First Name: _____

Last Name: _____

Position/ Profession : _____

Organization: _____

City: _____

Country: _____

Email: _____

Phone No: _____

Address: _____

Signature