



# Institute Lecture Series

Indian Institute of Technology Roorkee



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organises

## Dr. Kanta Marwah Lecture

### Bio-energy for Uttarakhand and learnings from Canadian experience

Guest Speaker

#### Prof. Anuradda Ganesh

*Department of Energy Science and Engineering, Indian Institute of Technology Bombay*

Date: 24 September 2012 (Monday)

Time: 5:30 PM

Venue: Bose Auditorium, Department of Physics



#### Prof. Anuradda Ganesh

- B.E. (Chemical Engg.) from Punjab University, in 1984
- Ph.D. from IIT Delhi in 1990
- Visiting Professor, Purdue University
- Establishing 'Cummins Engine Research Facility'
- Setting up 'Underground Coal Gasification Lab'
- Indo-American Frontiers of Engineering Award project in 2008
- CII National Award for Excellence in Energy Management in 2010

#### Bio-energy for Uttarakhand and learnings from Canadian experience

Uttarakhand is very rich in Himalayan vegetation. Large amounts of biomass, e.g. Pine needles is available and slowly being discovered as a potential fuel source for the number of small and medium scale industries around. The so called unorganised sector is being exploited by a few entrepreneurs. It is essential to design an utilisation pattern such that the biomass is used effectively and develop this into an organised sector.

Since Canada has vast experience in using the forest based biomass and has developed many technologies for the effective use, there is lot to learn from them. Few examples will be highlighted and potential areas for Indo-Canadian collaboration will be suggested.

Tea will be provided before the lecture at 5:00 PM