

# India, UK experts brainstorm on water, food, energy

*Three-day seminar kicks off at IITGn on Monday*

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A three-day 'UK-India Water, Food and Energy Nexus Seminar' to explore possibilities for collaboration kicked off on Monday. It has been jointly organised by IITGN and University of Bradford and is supported by the Royal Society of London and Department of Science and Technology (DST), Government of India.

Sustainable energy sources and production; sustainable food production and management; energy saving in process and food industries; sea water desalination and network management; awareness of CO<sub>2</sub> emissions, global warming and carbon capture techniques are among the topics that will be discussed. The seminar includes 20 paper presentations by experts from various IITs, University of Bradford, Imperial College London, England and University of Hull, England.

Prof Iqbal Mujtaba of University of Bradford spoke about energy efficient design and desalination processes. "Fresh water consumption is increasing at the rate of 4% to 8% every year, which is 2.5



The experts at the seminar at IITGn on Tuesday

## On desalination

Fresh water consumption is increasing at the rate of 4% to 8% every year, which is 2.5 times the population growth. As more than 94% of the world's water is saline, desalination process is vital to sustain human habitation in many parts of the world," said Prof Iqbal Mujtaba.

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A paper presented by IITGN faculty, Prof Babji Srinivasan, pointed out that there was a huge opportunity to cut production cost as well as reduce energy consumption by treating different types of effluents in water. Taking the example of the dairy industry, Prof Srinivasan said, "A large quantity of the water coming out of the industry has been used in boilers or for simple cleaning processes"