



**TIFR Centre for Interdisciplinary Sciences,
Narsingi, Hyderabad 500075**

Seminar

Efficient conversion of biomass-resources to value-added chemicals with solid acid catalysts and ionic liquids

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Abstract: The carbon-based chemicals and fuels that are necessary to meet the energy demand for our society originate presently almost exclusively from inexpensive fossil resources. The forecast of diminishing and more expensive petroleum reserves has, however, strived the chemical industry to find new feasible routes to convert biomass into potential platform chemicals, that can replace the fossil based chemicals in order to leave the chemical supply chain unaffected (value chain). Especially, the conversion of carbohydrates to bio-platform chemicals (e.g. lactic acid, levulinic acid, etc.) has become increasingly important since they are potential replacements in making alternative fuels and chemicals.

Date: Tuesday, January 8th 2013

Time: 11:30 AM (Tea/Coffee at 11:15 AM)

Venue: Conference Hall, TCIS

All are cordially invited