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PRESS RELEASE

Renowned experts of Chemical Sciences discuss whole host of issues, including Anti-Cancer Drug Design & Development and Societal Application of Nanomaterial during the inaugural day of three day International Conference on Chemical Sciences at IIT (ISM) Dhanbad.

Renowned experts of Chemical Sciences from across the country assembled here at Penman Auditorium of IIT (ISM) Dhanbad today discussed whole host of issues, including anti-cancer drug design & development, societal application for nanomaterial's, relevance of analytical chemistry in environmental analysis etc.

The occasion was the inaugural day of three day, **59th Annual Convention of Chemists & International Conference on Recent Trends in Chemical Sciences-2022**, organized by Department of Chemistry & Chemical Biology of IIT (ISM) under the aegis of Indian Chemical Society, Kolkata during which they also discussed usage of Green Hydrogen, increased use of computers & artificial intelligence in the designing of chemical products and also mulled over Carbon Capturing and sequestration etc.

Speaking during the inaugural function as Chief Guest, Shri Vibhas Kumar, Executive Director & State Head (Bihar-Jharkhand), Indian Oil Corporation Limited (IOCL) highlighted on the significance of Chemical Sciences and said, "Every aspect of International Relation is affected by Chemical Science" and further went on comment to comment that those countries which are good (developed)in chemical sciences are also prosperous.

He further said that the biggest challenge before the industry is maintaining sustainability in production and IOCL aims to achieve Carbon Emission neutralization by 2046.

Regarding the green initiatives of IOCL he said "We have started a mission to produce Compressed Bio Gas through Bio Waste by establishing a plant will produce the same in several plants"

"A DE bottling plant has been set up at our R & D Centre at Faridabad where Plastic Bottles would be converted into fabric and we plans to provide the uniforms made by such fabric to all the employees of IOCL petrol pumps" and added that the company had also developed Aluminium Foil for batteries

Prof. G.D. Yadav, President, Indian Chemical Society who was also present during the occasion as guest of honour emphasized on need for popularization of Chemistry among students in General and Chemical Engineering among Engineering students"

He also spoke at length about the history of Indian Chemical Society which would be entering its 100th year next year and appealed the Chemists and Chemical Engineers to donate generously for the strengthening of the society, including its infrastructure development like pending development of it's building since 1967.



भारतीयप्रौद्योगिकीसंस्थान (भारतीयखनिविद्यापीठ), धनबाद Indian Institute of Technology (Indian School of Mines), Dhanbad

“We must encourage research and innovation in Chemical Sciences and this can be done by translating curiosity into research” opined Shri Yadav and also emphasized upon the need for modernization in this regard.

Prof Rajiv Shekhar, Director, IIT (ISM) who presided over the function, emphasized on the need for research and technology development for Economical Capture of CO₂ and ways of its utilization.

He raised the issue of difficulties in Bulk Transportation of Hydrogen which he suggested can be solved to some extent through Ammonia but bulk Production of Ammonia is itself Problematic.

Prof Sagar Pal, Dean R &D during its address gave details of the research at other facilities at IIT (ISM).

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