



# भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद Indian Institute of Technology (Indian School of Mines), Dhanbad

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## **PRESS RELEASE**

**Dr Kalachand Sain, Director Wadia Institute of Himalayan Geology calls upon the researchers to concentrate on such meaningful researches, which addresses issues affecting society; delivers short lecture during the inaugural function of Geoconfluence 2024 at his alma mater, IIT (ISM)**

Dr Kalachand Sain, Director, Wadia Institute of Himalayan Geology-DST, Dehradun called upon the researchers, scientists, environmentalist to concentrate on such meaningful researches which can be utilized by the society to solve of its existing problems.

Dr Sain, a distinguished alumnus of IIT (ISM)-M Sc Tech-Applied Geophysics (1988), who is Hon. Outstanding Prof at Academy of Scientific and Academic Research, Gaziabad, while delivering the short lecture titled, **Geohazards in Himalayas and Way Forward** at Golden Jubilee Lecture Theatre of IIT (ISM) on Friday on the occasion of Geoconfluence 2024, organized by Department of Applied Geophysics with Indian Geophysical Union said, "Meaningful Science is the need of hour as it is only way through which we can understand societal challenges, scientific issues and industrial challenges"

"Our aim is to be build a society which can sustain any sort of disaster" said Dr Sain and added that the scientific fraternity need to think in innovative way as innovation is key to solution of the problems afflicting the society.

Dr Sain, former head of the Seismic Group at CSIR-NGRI, Hyderabad further said, "Climate change and its consequences and green energy are buzzwords around which there is lot of concentration now a days and meaningful research should be done in these area."

Dr Sain, who also worked as field officer in IIT (ISM) in 1988-89 further said, "Though, different sources of green energy and renewable source of energy are available but we need to exploit all of them, so that we can produce and alternate energy resource"

"Fossil fuel is still being used despite the fact it leads to generation of CO<sub>2</sub> and Green House Gases and the researcher need to find out the efficient ways to capture CO<sub>2</sub> through adsorption, absorption, hydration etc and further find out the ways to convert CO<sub>2</sub> into Carbonates which can be used in drugs, flush, sewage and detergents and also for various other purposes" opined Sain.

"Furthermore the researchers should work to convert, CO<sub>2</sub> into Methanol and it's derivatives which in turn can be used in pharmaceutical industry, paint, hydro chemical and several other products" said Dr Sain added that the researchers should concentrate on converting waste into useful products.

Earlier, Prof JK Pattanayak, Director, IIT (ISM) in his address as guest of honour lauded the research contributions of Dr sain and said that students and PhD scholars of IIT (ISM) will be greatly benefitted during the interaction with Dr Kalachand Sain during the Geoconfluence 2024.

Sanjit Kumar Pal, Professor and Head, Department of Applied Geophysics during his introductory speech gave details of activities being carried by the Department of Applied Geophysics in association with the Indian Geophysical Union.

Prof Anil Kumar Chaubey, Prof Mohit Agarwal, Prof Saumen Maity and others were also present during the session.

Rajni Singh

**Dean (Corporate Communications)**