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PRESS-RELEASE

IIT (ISM) Dhanbad Alumni Dr. Shib Sankar Ganguli Receives CV Raman Research Fellowship

IIT (ISM) Dhanbad proudly announces that Dr. Shib Sankar Ganguli, an esteemed alumnus from the 2011 batch of M Sc Tech (Applied Geophysics), has been awarded the prestigious CV Raman Research Fellowship. Dr. Ganguli, a Senior Scientist at the National Geophysical Research Institute (NGRI), Hyderabad, is set to visit Imperial College London as part of this fellowship.

Dr. Ganguli has established himself as a leading figure in the field of solid Earth sciences through his remarkable research contributions in India. His impressive body of work includes 35 publications in leading international journals, with a significant number of them showcasing his leadership as the lead author. Additionally, he has authored three critically acclaimed books published by Elsevier and Springer International, further cementing his status as an exceptional researcher.

Dr. Ganguli's research interests span a wide array of areas, including the development and application of advanced methods such as Artificial Intelligence (AI) and Machine Learning (ML) for reservoir characterization, exploration seismology, geophysical simulation and inversion, and rock physics. His multidisciplinary approach has been instrumental in advancing energy resource exploration, including conventional oil and gas, shale gas, and gas hydrates. His pioneering work also addresses critical challenges in CO_2-enhanced oil recovery (EOR) and its geosequestration, fluid flow dynamics in porous media, and the advanced processing and inversion of geophysical datasets.

Dr. Ganguli's groundbreaking research has not only garnered national acclaim but has also resonated strongly within the global geoscientific community, thanks to its profound societal impact. Notably, he was the first researcher in India to complete a Ph.D. thesis focused on CO_2-EOR and its sequestration in Indian mature oil fields. This significant milestone earned him the Springer Outstanding Thesis Prize in 2017, awarded by Springer International Publishers.

Among his numerous accolades, Dr. Ganguli has been honored with the following prestigious awards:
- **National Geoscience Award for Young Scientists (2017)** by the Ministry of Mines, Government of India.
- **Young Scientist Award (2019)** by the Telangana Academy of Sciences.
- **Platinum Jubilee Medal for Young Scientists (2020)** by The National Academy of Sciences, India (NASI).

Further underscoring his contributions to the scientific community, Dr. Ganguli has been selected as a member of the Indian National Young Academy of Sciences (INYAS) for a five-year tenure starting in January 2023.

Dr. Ganguli's forthcoming engagement with Imperial College London under the CV Raman Research Fellowship represents yet another milestone in his illustrious career. IIT (ISM) Dhanbad extends its heartfelt congratulations to Dr. Ganguli for his achievements and wishes him continued success in his journey of academic and scientific excellence.

Rajni Singh
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