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## **PRESS-RELEASE**

### **Prof. Sanjit Kumar Pal of IIT(ISM) Dhanbad Selected for Prestigious National Geoscience Award 2024**

The Indian Institute of Technology (Indian School of Mines) Dhanbad, proudly announces that Professor Sanjit Kumar Pal, Head of the Department of Applied Geophysics, has been selected for the National Geoscience Award 2024 in the field of Geophysics. The award is conferred by the Ministry of Mines, Government of India, in recognition of exceptional contributions to the geosciences.

With an illustrious academic background — a B.Sc. in Mathematics from the University of Burdwan, an M.Sc. Tech in Geophysics from Banaras Hindu University, and a Ph.D. in Geophysics from IIT Kharagpur — Prof. Pal has established himself as a leading figure in the field of applied geophysics. The National Geoscience Award in Geophysics/ Applied Geophysics is conferred every year for New Technologies in geophysical exploration, application of geophysical methods, geo□ magnetism, geophysical survey techniques and instrumentation.

He is widely acknowledged for his pioneering work involving a broad spectrum of geophysical methods and technologies. His expertise covers UAV-based and Satellite Remote Sensing, Gravity and Magnetic methods, Electrical Resistivity Tomography, Seismic Refraction and Cross-Hole Tomography, Ground Penetrating Radar, Induced Polarization, Very Low Frequency Electromagnetic (VLF-EM) techniques, and the integration of Artificial Intelligence/Machine Learning in multiparametric geophysical data analysis.

Prof. Pal's research encompasses a wide array of domains including Near-surface and Mining Geophysics, Mineral and Groundwater Exploration, Geotechnical Modelling, Coal Mine Fire Detection, Environmental and Engineering Geophysics, Archaeological Studies, and Agricultural Applications.

His selection for the National Geoscience Award 2024 stands as a testament to his impactful contributions, scientific innovation, and dedication to solving complex geoscientific challenges through the application of modern tools and interdisciplinary approaches.

Speaking on this recognition, Prof. Pal said, "It is a great honour to get selected this prestigious award. I share this recognition with my colleagues and students who have been an integral part of this journey. I remain committed to advancing geoscientific research that serves both society and the environment."

IIT (ISM) Dhanbad congratulates Prof. Pal on this outstanding achievement and remains committed to supporting cutting-edge research and academic excellence in the geosciences.

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