Dr Ashwagosha Ganju

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Dr Ashwagosha Ganju has conducted hydrological and sediment transport studies, prepared geomorphologic map and established a chain of observatory network in Siachen Area along with preparing an Avalanche Atlas of Siachen Glacier. He pioneered the technique of translucent snow profile for studying weak layers in snow pack and developed statistical and AI based models for prediction of avalanches in different snow climatic zones. He formalized avalanche forecast process at SASE using contributory factors approach and adopted a multi model approach of prediction of avalanches using statistical avalanche forecast Model (nearest neighbour), snow pack build-up approach of avalanche prediction (SPBU) and AI techniques. Dr Ganjujoined SASE, (DRDO) in 1985 and took up Cold Regions Science and Engineering related work. He has nearly thirty years of research experience in Cold Regions Sciences.He has been instrumental in initiating the research work on spatial and temporal variability of snow cover in Western Himalayas and study of Micro Tremor Activity in Karakoram ranges. He is the recipient of SASE Best Performance Award (1990), Siachen Medal (1992), Science Day Medal (2004), Best Science Article in Hindi (2004), HR Leadership Award (2012), Defence Technology Spin off Award (2013) and Best Citizenship Award (2014). He has more than 50 publications in national/international journals of repute and conferences.