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Dr M R Bhutiyani‘s works on natural hazards such as avalanches, rock falls, ice avalanches, crevasses and glacier-melt water floods afflicting the troops deployed in the glaciated terrain of the eastern Karakoram Himalaya resulted in preparation of route maps of all glaciers of that region and ensured the safety of pedestrian routes and camp sites for the troops. His work on glaciological studies on the Siachen Glacier, has culminated in development of methodology of estimation of mass balance of very long glaciers by an innovative hydrological method and suspended sediment transport studies in the Nubra River. He obtained his M.Sc. in Geology with specialisation in Engineering Geology and Groundwater Hydrology in 1981 and Ph D in Environmental Science on the ‘Response of Glaciers to the Climate Change and its Implications on NW Himalaya’ from the University of Pune in 2005. He started his career as a lecturer in Geology in Science College, Karad, and later worked as a geo-scientist in Government of Maharashtra and in Geological Survey of India. He joined Snow and Avalanche Study Establishment (SASE), DRDO as a Scientist in 1984 and carried out research on the Himalayan Glaciers. He organised a special training programme on Precision Manufacturing Techniques and GD&T Principles in 2014. His research papers published in International Journal of Glaciology and Journal of Hydrology are now the most widely cited papers on this subject. His path breaking work on the Siachen Glacier has paved the way for exploring many other large glaciers in other parts of the Himalaya.