

LANDSLIDE RESEARCH

The DST's Initiatives

The book "Landslide Research- The DST's Initiatives" is a compilation of over 21 Scientific articles on various aspects of Landslides viz: Overviews, Earth system processes and Landslides, Landslide hazard Zonation mapping, Geotechnical investigations, instrumentation and early warning of Landslides, Satellite based monitoring of Landslides, site specific investigations etc. These articles are the outcome of the studies carried by various academicians, researchers and the research institutions under the funding of NRDMS/DST in different geological provinces of Indian subcontinent. These articles provide wider and deeper spectrum of information on earth system processes like post collision tectonics of Shillong plateau, Churachandpur-Mao fault and up-warping of Tirumalai hills and the Landslides; different geo-spatial and geo-statistical techniques and optimisation of methods for Landslide hazard zonation mapping from Western Ghats of South India, BIS based methods of LHZ mapping and Geotechnical investigations encompassing RMR, SMR & Kinematic studies of landslides of northeastern region; instrumentation and forewarning of Jakhri Landslides, wireless sensor based Landslide monitoring of Munnar (Kerala); SAR interferometry based monitoring of Nainital and Mansadevi landslides; and site specific landslides studies of Kailasaur (Himalayas), Rawana slides (Himachal Pradesh), geophysical studies of Landslides of Mizoram region, Malin landslides (Maharashtra), techniques of diagnosing active movements from Nilgiris etc.

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