

Dr. Mithila Verma



Dr. Mithila Verma is working as Scientist in Ministry of Earth Sciences, New Delhi. She obtained her Ph. D degree in Geology from the University of Jammu in 2005. She was awarded University Gold Medal and Dr. N. Dasarathi Memorial Gold Medal in 2002.

Dr. Verma has been actively involved in Geoscience related studies since 2006. Some of her significant contributions include, 1) Initiation of school earthquake education programme at national level; 2) Strengthening of permanent geodetic network in the country; 3) Monitoring and study of slow earthquakes in Northwest Himalaya; 4) Evolving specific research projects of national importance towards understanding of geodynamics and crustal deformation; 5) Analysis and critical review of the crustal deformation studies as well as earthquake precursor studies carried out in the country.

Dr. Verma has also played an important role in developing a major programme on active fault mapping in India which aimed at preparing active fault maps of the country in compatible GIS format and library of active fault data. The end products will be used in detailed seismic hazard assessment in the country. She has contributed in preparation of base document on active fault mapping which provide standard guidelines and methodologies for comprehensive active fault studies. At present, she is engaged in evolving specific projects through various groups working in this area of research.

Besides, Dr. Verma has undertaken research on various important themes like; 1) Investigation and analysis of Mw 5.7 Kishtwar earthquake of May 1, 2013 in Jammu province with implications to seismotectonics and seismic hazard evaluation; 2) Detailed analysis and critical review of active fault studies in India; 3) Analysis and review of seismic hazard assessment in the country; 4) Analysed the role of soft sediments in damage pattern during earthquakes with implication to seismic risk evaluation. She has also undertaken some specific research problems like; largest earthquake in Himalaya and analysis on seismic gaps in Himalaya. In last three years, she has published many Research and Review papers in national and international peer reviewed journals. Dr. Verma has also presented many papers in national and International conferences/ workshops.

Dr. Mithila Verma is awarded Certificate of Merit for her outstanding contributions in the field of active fault mapping in India.