Dr Anand Malik
Professor

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Web-Page / Bio-data	**Mobile:**

Academic Qualifications:

- **University of Geneva,** Switzerland - Climate Change, Disaster Management (Certificate 2013)

- **ITC, University of Twente, The Netherlands** – Geoinformatics in Geo-Hazards (M.Sc. 2009)

- **Indian Institute of Remote Sensing (IIRS), Dept. of Space**, India – Geoinformatics in Geo- Science (certificate 2005)

- **Jawaharlal Nehru University**, New Delhi, **India** – Geography (MA, M.Phil, Ph.D 1993-2002)

Skills -
- ESRI: Arc catalog, ArcMap, Arc Toolbox, Arc Editor, ArcGIS Pro, Arc Enterprise
- Models: RAMMS (SLF), Flow-R, DAN, FLO-2D
- GIS Environment: ERDAS 10.0. ENVI 5.0, GPS (DGPS). QGIS 3.16,
- Google Earth Engine (GEE).
- Remote Sensing: Satellite Image (Data), Lidar Data, Processing.
- Working knowledge of Python
- and SQL

Teaching Experience (Year)	25 Years	**Research Experience (Year)**	30 Years (Total)
Area of Research	GIS & Remote Sensing techniques. Risk and geo-hazard assessment Process-based modelling. Run out modelling of slope hazards. Quantitative geomorphology. Visualization techniques. Current research interests include application of machine learning (ML) and artificial intelligence (AI) using GIS/ LIDAR and remote sensing tools and data.		

Publications	15 Papers (National/ International). 7 Books and more than 60 Presentations at National and International Platform.
Achievements	1. **Scholarships**: International 1. For Certificate Course on Climate Change, Disaster Management (University of Geneva, Switzerland), 2013. 2. **Research Project**: Climate Change, slope hazards risk and livelihood security through geospatial techniques in middle Himalayas. Grant agency ICSSR (India) Amount: 10 Lakhs Grant No: RP02/174/2017-18/RP/MN 3. **Research**: PhD awarded: 01, Perusing: 01. 4. **Visiting Scholar** – School of Computer Science, Faculty of Engineering and Information Technology, **University of Technology Sydney (UTS)**, NSW Australia (June 2021- June 2022). 5. **GIS Officer (Training) –** Mapping Unit, Strategic Intelligence & Capability, New South Wales Police Force, Police Headquarter, Parramatta, NSW 2150 Australia (July 2021 to April 2022)
	Professional affiliation / Life Member: 1. Association of Indian Geographers (AGS LM- 160) 2. Himalayan geology (Wadia Institute of Himalayan Geology, LTSS-349) 3. Indian Association of Hydrologist (IIT, Roorki, LM- 1507) 4. Indian Meteorological Society (IMS LM-2946, Delhi Chapter) 5. Indian Society of Remote Sensing (ISRS, Dehradun, L-3199) 6. National Association of Geographers of India (NAGI) (LM-1410) 7. International Society for Research and Development (ISRD, London Press LM F-3140900455) 8. Member, Commission, International Geographical Union (IGU).

Books:	1. Malik, Anand (2017). Remote Sensing for Social Scientist. Arjun Publishing House, New Delhi. ISBN: 978-81-8330-668-3. 2. Malik, Anand (2017). Geographical Information System for Social Scientists. Arjun Publishing House, New Delhi. ISBN: 978-81-8330-667-6. 3. Malik, Anand (2016). Research Methodology. Research India Press, New Delhi. ISBN: 978-93-5171-094. 4. Malik, Anand (2016). Dictionary of Remote Sensing and Geoinformatics. Rawat Publications, Jaipur. ISBN: 978-81-316-0773-2. 5. Malik, Anand (2015). Integrated Coastal Zone Management in India and Australia. Research India Press, New Delhi. ISBN: 978-93-5171-021-9. 6. Malik, Anand (2015). South Asian Perspective on Coastal Zone Management. Research India Press, New Delhi. ISBN: 978-93-5171-022-6. 7. Malik, Anand (2020). Text Book on Disaster Management. Pathak Publishers and Distributor, New Delhi ISBN: 978-81-948916-1-1.