Contents

Preface	ix xii
Contributors	3xvii
Chapter 1	Gujarat Earthquake: Ground Deformation
Chapter 2	Gujarat Earthquake: Liquefaction
Chapter 3	Earthquakes and Medical Complications
Chapter 5	Scarlet Benson, Laura Ebbeling, Michael J. VanRooyen and Susan A. Bartels
Chapter 4	Utilization of Satellite Geophysical Data as Precursors for Earthquake Monitoring71 T.J. Majumdar
Chapter 5	Satellite Radar Imaging and Its Application to Natural Hazards
Chapter 6	DEMETER Satellite and Detection of Earthquake Signals
Chapter 7	TIR Anomaly as Earthquake Precursor
Chapter 8	Stress Change and Earthquake Triggering by Reservoirs: Role of Fluids
Chapter 9	Earthquake Precursory Studies in India: An Integrated Approach
Chapter 10	Geomorphic Features Associated with Erosion
	IVIKI Evelplaou, Islaoros Kampolis ana Anna Karkani
Chapter 11	Thar Desert: Source for Dust Storm
	Priyabrata Santra, Suresh Kumar and M.M. Roy

Chapter 12	Coastal Subsidence: Causes, Mapping and Monitoring
	Andrea Taramelli, Ciro Manzo, Emiliana Valentini and Loreta Cornacchia
	Subsidence Mapping Using InSAR
Chapter 14	Earthquakes and Associated Landslides in Pakistan
•	Shah F. Khan, Muhammad Asif Khan, Ulrich Kamp and Lewis A. Owen
Chapter 15	Landslides in Jamaica: Distribution, Cause, Impact and Management
	Servel Miller, Anestoria Shalkowski, Norman Harris, Dionne Richards and Lyndon Brown
Chapter 16	Landslides: Causes, Mapping and Monitoring – Examples from Malaysia 363
•	Omar F. Althuwaynee and Biswajeet Pradhan
Chapter 17	Mapping and Monitoring of Landslides Using LIDAR
	Michel Jaboyedoff, Antonio Abellán, Dario Carrea, Marc-Henri Derron, Battista Matasci and Clément Michoud
Chapter 18	Radar Monitoring of Volcanic Activities
Z	Zhong Lu and Daniel Dzurisin
Chapter 19	Active Volcanoes: Satellite Remote Sensing
	Nicola Pergola, Eugenio Sansosti and Francesco Marchese
Chapter 20	Application of Thermal Remote Sensing to the Observation of Natural Hazards 483
	Matthew Blackett
Index	