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Nota di contenuto	Chapter 1: Resistance of Reinforced Gravity Type Breakwater with Steel Pipe Piles -- Chapter 2: Disaster Management in India and Characterization for Geohazards -- Chapter 3: Review of the material properties of recovered soils obtained from 2011 East Japan disaster debris for post-disaster management -- Chapter 4: The 2017 July Northern Kyushu Torrential Rainfall Disaster- Geotechnical and Geological Perspectives -- Chapter 5: Effect of fine grain fraction contents of short fiber mixed soil for mitigation of liquefaction hazards -- Chapter 6: Ground Modification Techniques to Improve Liquefaction Resistance in Indo-Gangetic Soils -- Chapter 7: Extended Application of Cement Based Grouting to Gravel/Boulder Ground Improvement -- Chapter 8: Elastic Modulus Estimation using a Scaled State Parameter in the Extended Kalman Filter -- Chapter 9: Shear Strength Behavior of Gravel-Tire Chips Mixture -- Chapter 10: Evaluation of the risk distribution of the Debris Flow Occurred Using Numerical Simulation

Subjected to Rockfall -- Chapter 11: Design of Waterfront Retaining Walls Subjected to Waves and Earthquakes- A Review -- Chapter 12: Stability Evaluation of Block Reinforcement for Resilient Breakwater -- Chapter 13: Integrating Rainfall Load into Remedial Design of slopes affected by Landslides -- Chapter 14: Spatial Distribution of Strength - Comparison between Indian and Japanese Embankments -- Chapter 15: Investigation of Rainfall Induced Landslides at the Hillslopes of Guwahati Region, Assam -- Chapter 16: Significance of Drainage measures on Landslide Mitigation measures -- Chapter 17: Instability of Composite Breakwater Subjected to Earthquake and Tsunami and Its Countermeasures -- Chapter 18: Soil slope instabilities in snowy cold regions under changing climate – stability assessment and prediction methods assessment and prediction methods.

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Sommario/riassunto

This volume presents recent advances and developments taking place in geotechnical aspects of natural disaster mitigation and management. The chapters of this book are based on the invited lectures delivered by eminent researchers at the Third Indo-Japan Workshop on Geotechnics for Natural Disaster Mitigation and Management. This book will be a useful reference for academicians, researchers, practicing professionals and, especially, students of the geotechnical fraternity.

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