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Nota di contenuto	Geotechnical Benign Characterization of Nanoamended Cls Stabilized Soil -- Effect of Granite Sand and Calcium Lignosulphonate on Shrinkage Characteristic of Clay -- Strength Performance of Black Cotton Soil Reinforced with Randomly Distributed Banana Fibers -- Landslide Simulations and Stability Assessment of Puthumala Hill Soil Slope in the Meppady Region of Wayanad in Kerala -- Experimental Study on Performance of Prefabricated Vertical Drain on Kaolinite with Various Drain Material -- Analysis of Stability of Slope for Seismic Loading -- Mitigating the Problematic Behaviour of Expansive Soils Using Zycobond and Stone Dust -- Effect of Nano Silica on Dispersion

and Strength Characteristics of Silty Soil -- Performance of Lime-cement as Column and Raft in Soft Clay Bed -- Micp Based Indian Desert Sand Stabilization -- Effect of Polypropylene Planar Reinforcement on the Unconsolidated Undrained Behavior of Black Cotton Soil -- Rockfall Hazard in Himalayan Region: Assessment and Review of Trajectory Analysis Parameters for Mitigation Strategies -- Mitigation of Liquefaction Induced Settlements under Shallow Strip Footings Using Ground Densification -- Numerical Investigation of Behavior of Geosynthetic Encased Stone Column in Soft Clay Bed -- Experimental Studies on the Influence of Chemicals on Geotechnical Properties of Black Cotton Soil in Puducherry Region.

Sommario/riassunto

This book comprises the select proceedings of the Indian Geotechnical Conference (IGC) 2022. The contents focus on recent developments in geotechnical engineering for a sustainable world. The book covers behavior of soils and soil–structure interaction, soil stabilization, ground improvement, and land reclamation, shallow and deep foundations, geotechnical, geological and geophysical investigation, rock engineering, tunneling and underground structures, slope stability, landslides and liquefaction, earth retaining structures and deep excavations, geosynthetics engineering, geo-environmental engineering, sustainable geotechnics, and landfill design, geo-hydrology, dam and embankment engineering, earthquake geotechnical engineering, transportation geotechnics, forensic geotechnical engineering and retrofitting of geotechnical structures, offshore geotechnics, marine geology and sub-sea site investigation, computational, analytical and numerical modeling, and reliability in geotechnical engineering. The contents of this book are useful to researchers and professionals alike.
