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Geotechnical Engineering Applications -- Study on Seepage and Strength Characteristics of Black Cotton Soil Admixed with Copper Slag -- Influence of Inorganic Salt Solutions on the Engineering Behavior of Black Cotton Soil -- Effect of Microbially Induced Calcite Precipitation on Clayey Soil -- Influence of Chemical Stabilization on Geotechnical Properties of Municipal Solid Waste -- Hydraulic Conductivity of Fresh Municipal Solid Waste at Various Compositions and Compactive Efforts -- Biodegradation of Disposable Mask in Municipal Solid Waste Management Soil Through Bioaugmentation.

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#### Sommario/riassunto

This book comprises the select proceedings of the Indian Geotechnical Conference (IGC) 2022. The book focuses 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 subsea site investigation, computational, analytical and numerical modeling and reliability in geotechnical engineering. The book is useful to researchers and professionals alike.

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