

1. Record Nr.	UNINA9910734852403321
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Titolo	Recent Developments in Geotechnics and Structural Engineering : Select Proceedings of TRACE 2022 // edited by Sanjay Kumar Shukla, Sudharshan N. Raman, B. Bhattacharjee, Priyanka Singh
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-9918-86-3
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (498 pages)
Collana	Lecture Notes in Civil Engineering, , 2366-2565 ; ; 338
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Disciplina	624.151
Soggetti	Engineering geology Geotechnical engineering Fire prevention Buildings - Protection Building materials Geoengineering Geotechnical Engineering and Applied Earth Sciences Fire Science, Hazard Control, Building Safety Building Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Improving Railway Track System Using Soil Nails For Heavy Axle Load -- Finite Element Analysis on Skew Box-Girder Bridges -- Evaluating residential housing society on energy optimization and Water Management Criterion of GRIHA Rating System -- Estimation of Shear Wave Velocity at varying depth for Jalandhar, Punjab -- Numerically Investigating The Effect Of Wind Load On Square And Setback Building -- Rockfall Hazard and its mitigation with focus on rock-sheds: A Review -- Microstructure Investigation and Design of GFRP Reinforced Coastal Structures -- Finite Element Analysis and Design of Concrete Bridge Deck using GFRP Reinforcement -- Experimental Study of variation in Properties of Ultra-fine Ground Granulated Blast Furnace

Slag (GGBS) and Steel-Fibre infused Concrete -- Comparative Study of Effect of Vertical Stiffness at 30%, 50% and 70% Irregularity on the Nature of Framed Structure.

Sommario/riassunto

This book presents select proceedings of the International Conference on Trends and Recent Advances in Civil Engineering (TRACE 2022). It focuses on the latest research developments in structural engineering, structural health monitoring, rehabilitation and retrofitting of structures, geotechnical engineering, and earthquake-resistant structures. The book also covers the latest innovations in building repair and maintenance, AI and blockchain in structural engineering, advancements in the design of earthquake-resistant structures, and sustainable materials for rehabilitation and retrofitting. The contents of this book are useful for researchers and professionals working in structural and geotechnical engineering and allied areas.
