

1. Record Nr.	UNINA9910392748403321
Titolo	Advances in Geotechnical and Transportation Engineering : Select Proceedings of FACE 2019 // edited by Sireesh Saride, B. Umashankar, Deepti Avirneni
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-3662-7
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (346 pages)
Collana	Lecture Notes in Civil Engineering, , 2366-2565 ; ; 71
Disciplina	624.151
Soggetti	Engineering geology Transportation engineering Traffic engineering Geotechnical engineering Geographic information systems Geoengineering Transportation Technology and Traffic Engineering Geotechnical Engineering and Applied Earth Sciences Geographical Information System
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1: Bi Directional Static Pile Load Test by S-Cell Method -- Chapter 2: Strength Behavior of Rammed Earth Stabilized with Metakaolin -- Chapter 3: Geospatial based coastal risk assessment of Gujarat coastline -- Chapter 4: Development of Speed Prediction Models for Different Categories of Roads -- Chapter 5: Numerical Analysis of Liquefaction and Settlement in layered soils -- Chapter 6: Evaluation of Lateral Capacity of Pile Foundation Using Finite Element Method in Layered Soil -- Chapter 7: Impact study on desiltation of water tanks in rural areas using spatial technology: A case study work under MGNREGA -- Chapter 8: Evaluation of physical and environmental parameters of the Indian Sundarbans -- Chapter 9: Cinder Coal-Aggregate Quality Index (AQI) appraisal based on weighted arithmetic index method and Fuzzy Logic.

This book presents the selected peer-reviewed papers from the national conference Futuristic Approaches in Civil Engineering (FACE) 2019. This volume focuses on latest research and challenges in the field of geotechnical, transportation, environmental and water resources engineering. The first part focuses on alternative and sustainable pavement materials, maintenance and rehabilitation of roads, transportation planning, traffic engineering, hybrid vehicles, safety management, and intelligent transport systems. In the second part of the book, basic and advanced research in geotechnical engineering which can provide sustainable solutions to practical problems in foundations, retaining structures, soil dynamics, site characterization, slope stability, dams, rock engineering, environmental geotechnics, and geosynthetics are covered. The third part of the book includes current research in environment, and water resources engineering. The contents of this book will be useful for students, researchers as well as industry professionals. .

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