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Titolo	Advanced Geotechnical and Structural Engineering in the Design and Performance of Sustainable Civil Infrastructures : Proceedings of the 6th GeoChina International Conference on Civil & Transportation Infrastructures: From Engineering to Smart & Green Life Cycle Solutions -- Nanchang, China, 2021 / / edited by Jose Neves, Bitang Zhu, Paulus Rahardjo
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Descrizione fisica	1 online resource (133 pages)
Collana	Sustainable Civil Infrastructures, , 2366-3413
Disciplina	624.151
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1. Resiliency of Power Grid Infrastructure under Extreme Hazards - Observations and Lessons Learned from Hurricane Maria in Puerto Rico -- Chapter 2. Methodology that combines multi-criteria methods for decision-making, such as the Hierarchical Analytical Process (AHP) and the Goal Programming (GP), impacts the sustainability evaluation of hydroelectric projects in Mexico -- Chapter 3. A State of the Art Review of Buckling Restrained Brace: History, Application, and Design -- Chapter 4. Characteristics of Lithely arch bridges and case studies from Satara -- Chapter 5. The Design Parameters and Quality Requirements of Jet Grout Columns in the Stabilization of a Sloping Bermed Excavation -- Chapter 6. Performance of the Jet Grouted Sloping Berm as a Support to the Diaphragm Wall in an Excavation -- Chapter 7. Influence of Lime and Coal Gangue on the CBR behavior of Expansive Soil -- Chapter 8. Field soil electrical resistivity measurements of some soil of Iraq.
Sommario/riassunto	This book covers different geotechnical and structural engineering topics applied to buildings, power grid infrastructures, hydroelectric projects, bridges, and transport infrastructures. The book contains

research data useful for researchers and practitioners to support the sustainable design, building, operation, and maintenance of civil infrastructures. The papers included in this book were selected from the 6th GeoChina International Conference on Civil & Transportation Infrastructures: From Engineering to Smart & Green Life Cycle Solutions.
