1.	Record Nr.	UNINA9910254199203321
	Autore	Ameratunga Jay
	Titolo	Correlations of Soil and Rock Properties in Geotechnical Engineering [[electronic resource] /] / by Jay Ameratunga, Nagaratnam Sivakugan, Braja M. Das
	Pubbl/distr/stampa	New Delhi : , : Springer India : , : Imprint : Springer, , 2016
	ISBN	81-322-2629-1
	Edizione	[1st ed. 2016.]
	Descrizione fisica	1 online resource (236 p.)
	Collana	Developments in Geotechnical Engineering, , 2364-5156
	Disciplina	624.151
	Soggetti	Engineering geology
		Engineering—Geology
		Foundations
		Hydraulics
		Geotechnical engineering
		Building—Superintendence
		Construction industry—Management
		Building - Superintendence
		Geoengineering, Foundations, Hydraulics
		Geotechnical Engineering & Applied Earth Sciences
		Construction Management
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
	Nota di contenuto	Preface; Acknowledgements; Contents; About the Authors; Chapter 1: Introduction; 1.1 Laboratory Testing; 1.2 In Situ Testing; 1.3 Empirical Correlations; 1.4 Contents of the Book; References; Chapter 2: Geotechnical Properties of Soils - Fundamentals; 2.1 Laboratory Tests for Soils; 2.2 Phase Relations; 2.2.1 Terminology and Definitions; 2.2.2 Relationships Between the Variables; 2.3 Granular Soils; 2.3.1 Grain Size Distribution; 2.3.2 Relative Density; 2.4 Plasticity; 2.4.1 Atterberg Limits; 2.4.2 Classification of Fine Grained Soils Based on Plasticity; 2.5 Compaction; 2.6 Permeability
		2.6.1 DArcys Law and Permeability Measurements2.6.2 Intrinsic Permeability; 2.6.3 Reynolds Number and Laminar Flow; 2.6.4

Sommario/riassunto	This book presents a one-stop reference to the empirical correlations used extensively in geotechnical engineering. Empirical correlations play a key role in geotechnical engineering designs and analysis. Laboratory and in situ testing of soils can add significant cost to a civil engineering project. By using appropriate empirical correlations, it is possible to derive many design parameters, thus limiting our reliance on these soil tests. The authors have decades of experience in geotechnical engineering, as professional engineers or researchers. The objective of this book is to present a critical evaluation of a wide range of empirical correlations reported in the literature, along with typical values of soil parameters, in the light of their experience and knowledge. This book will be a one-stop-shop for the practising professionals, geotechnical researchers and academics looking for specific correlations for estimating certain geotechnical parameters. The empirical correlations in the forms of equations and charts and typical values are collated from extensive literature review, and from the authors' database.

2.

Record Nr.	UNINA9910557262103321
Autore	Santos Ricardo Serrao
Titolo	Anthropogenic Disturbances in the Deep Sea
Pubbl/distr/stampa	Frontiers Media SA, 2020
Descrizione fisica	1 online resource (266 p.)
Soggetti	Oceanography (seas)
	Science: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: frontiersin.org/about/contact