

1. Record Nr.	UNINA9910337923903321
Titolo	On Significant Applications of Geophysical Methods : Proceedings of the 1st Springer Conference of the Arabian Journal of Geosciences (CAJG-1), Tunisia 2018 // edited by Narasimman Sundararajan, Mehdi Eshagh, Hakim Saibi, Mustapha Meghraoui, Mansour Al-Garni, Bernard Giroux
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-01656-0
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XXVIII, 263 p. 168 illus., 158 illus. in color.)
Collana	Advances in Science, Technology & Innovation, IEREK Interdisciplinary Series for Sustainable Development, , 2522-8714
Disciplina	550 526.1
Soggetti	Geophysics Magnetism Magnetic materials Environmental sciences Economic geology Geophysics/Geodesy Magnetism, Magnetic Materials Geophysics and Environmental Physics Environmental Science and Engineering Economic Geology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Applications of gravity and magnetic methods -- Electrical and Electromagnetic methods in mineral and groundwater exploration -- Case studies on refraction and reflection seismic methods -- Integrated geoscience applications in the exploration of subsurface resources -- Hydrocarbon and petrophysical studies -- Earthquake seismology and seismic hazard assessment -- Tectonics.
Sommario/riassunto	This edited volume is based on the best papers accepted for presentation during the 1st Springer Conference of the Arabian Journal

of Geosciences (CAJG-1), Tunisia 2018. This special volume is of interest to all researchers practicing geophysicists/seismologists, students of PG and UG in the fields of multifaceted Geoscience. Major applications with relevant illustrations presented in the volume are from Middle East. And therefore, this book no doubt would serve as a reference guide to all geoscientists and students in the broad field of Earth Science. This volume covers significant applications of gravity and magnetic methods, electrical and electromagnetic methods, refraction and reflection seismic methods besides a large number of study on earthquakes, tectonics and geological settings etc. The salient features of this volume are the interpretation and modeling of geophysical data of different nature. Main topics include: 1. Applications of gravity and magnetic methods. 2. Electrical and Electromagnetic methods in mineral and groundwater exploration. 3. Case studies on refraction and reflection seismic methods. 4. Integrated geoscience applications in the exploration of subsurface resources. 5. Hydrocarbon and petrophysical studies 6. Earthquakes and seismic hazard assessment. 7. Tectonics.
