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	Titolo	Convorbiri literare
	Pubbl/distr/stampa	Iasi, : Uniunea Scriitorilor din R.S.R
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	Descrizione fisica	1 online resource
	Soggetti	Romanian literature - History and criticism Romanian literature Criticism, interpretation, etc. Periodicals.
	Lingua di pubblicazione	Rumeno
	Formato	Materiale a stampa
	Livello bibliografico	Periodico
2.	Record Nr.	UNINA9910155550803321
	Autore	Semsar Yazdi Ali Asghar
	Titolo	Qanat Knowledge : Construction and Maintenance / / by Ali Asghar Semsar Yazdi, Majid Labbaf Khaneiki
	Pubbl/distr/stampa	Dordrecht : , : Springer Netherlands : , : Imprint : Springer, , 2017
	Edizione	[1st ed. 2017.]
	Descrizione fisica	1 online resource (XVIII, 179 p. 124 illus., 13 illus. in color.)
	Disciplina	363.7394 363.73946
	Soggetti	Water - Pollution Water-supply Technology—History Cultural property Ethnology Civil engineering Waste Water Technology / Water Pollution Control / Water Management / Aquatic Pollution Water Industry/Water Technologies History of Technology Cultural Heritage Civil Engineering

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1. Introduction -- Chapter 2. Hydrology mechanism of qanat -- Chapter 3. Locating qanat -- Chapter 4. Digging of shaft wells and qanat gallery -- Chapter 5. Barriers and limitations of qanat construction and rehabilitation -- Chapter 6. Tools and Equipments -- Chapter 7. Qanat maintenance and preservation -- Chapter 8. Qanat related Structures.
Sommario/riassunto	<p>This book offers a ready solution for those who wish to learn more about this fascinating part of our water history and makes accessible to the wider world the traditional knowledge gained from building and maintaining qanats for more than 2,500 years. There is much more here than a summary of the nature and distribution of qanats, and a more extensive journey through the philosophy, methods, tools, and terminology of qanat design and digging than previously assembled. Where does one begin to dig to ensure that the qanat tunnel will flow with water? How are practical considerations of landscape factored into the design? How are water quality and discharge measured? How does excavation proceed through bedrock and unconsolidated soil and how is this knowledge of geology and pedology acquired? How are vertical wells and tunnels excavated to maintain proper air supply, light, and water flow? How does one deal with special problems like tunnel collapse, the accumulation of gasses and vapors, and the pooling of water during construction? How are tools and gauges designed, maintained, and used? How have qanats been incorporated into other structures like watermills, reservoirs, ice houses, and irrigation networks? And how are qanats cleaned, extended, maintained through the ages, and incorporated into modern water supplies? The great contribution of this work is the story it tells of the ingenuity and practical skills of the qanat masters who for centuries and generations have cut an uncountable number of tunnels through bedrock and alluvium using hand tools and homespun solutions to problems that would vex the most experienced university-trained engineers. .</p>