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| 1. Record Nr. | UNINA9910401933803321 |
| Titolo | Karstology in the Classical Karst // edited by Martin Knez, Bojan Otoniar, Metka Petri, Tanja Pipan, Tadej Slabe |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020 |
| ISBN | 3-030-26827-6 |
| Edizione | [1st ed. 2020.] |
| Descrizione fisica | 1 online resource (xii, 222 pages) : illustrations |
| Collana | Advances in Karst Science, , 2511-2066 |
| Disciplina | 551.447 |
| Soggetti | Hydrogeology Physical geography Physical Geography |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | Structural-Geological Mapping of Karst Area -- Late Cretaceous and Paleogene Paleokarsts of the Northern Sector of the Adriatic Carbonate Platform -- Lithomorphogenesis of Karst Surface -- Significant Findings from Karst Sediment Research -- Measurements of Present-Day Limestone Dissolution and Calcite Precipitation Rates with Limestone Tablets in Stream Caves (with the Case Study of Škocjanske Jame) -- Water Quality Monitoring in Karst -- Planning Contamination Emergency Response Measures for Karst Water Sources -- Deciphering Epiphreatic Conduit Geometry from Head and Flow Data -- Microbial Underground; Microorganisms and Their Habitats in Škocjan Caves -- Changing Perspectives on Subterranean Habitats -- Research Infrastructures and Karst Science. |
| Sommario/riassunto | This book presents the latest advances in karstology by researchers at the ZRC SAZU Karst Research Institute, Slovenia – home of Classical Karst. It features interdisciplinary investigations carried out on the karst surface, subsurface, caves, and associated waters. It covers various topics, such as analysis of karst processes, including the mineralogical and lithological characteristics of sediments and carbonate rocks; structural geological mapping; detecting the old traces of paleokarst; the formation of karst surfaces in a variety of types of rock and conditions; and the evolution of karst, which can aid in dating |

sediments, and in tracing aquifers using artificial and natural tracers. In addition, the book provides detailed information on the use and development of various research methods, ranging from comprehensive field research, long-term measurements, and laboratory analyses to computer and laboratory modeling. Integrating karst geology, geomorphology, hydrology, ecology, speleobiology, and microbiology research, these methods provide readers with a far deeper understanding of karst terrains.
