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Nota di contenuto	Research background -- Introduction of the Zangsegangri ice core -- Levoglucosan analytical method -- Modern processes of levoglucosan in Tibetan glaciers -- Fire records in the Zangsegangri ice core -- Summary and conclusions.
Sommario/riassunto	This book focuses on geochemical behavior and ancient records of the specific biomarker levoglucosan in Tibetan glaciers. Based on samples from the Zangsegangri (ZSGR) ice cores obtained from the central Tibetan Plateau, it presents annually resolved levoglucosan records and fire changes over the past 430 years. It also discusses the interaction between fire, climate change, and human activities. This is the first effort to reconstruct annual resolution fire records in Tibetan ice, providing crucial information and substantially improved analytical methods toward a better understanding of past fire changes.