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Soggetti	Environmental sciences Environmental geography Meteorology Natural disasters Mineral resources Structural geology Environmental Science and Engineering Environmental Geography Natural Hazards Mineral Resources Structural Geology
Lingua di pubblicazione	Inglese
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Nota di contenuto	Introduction -- Status of storms in central Asia and environmental problems -- Natural conditions of central Asian deserts and land cover changes -- Spatial and temporal distribution of dust and sand storms -- Storms and land degradation relationship -- Dust storms in Kazakhstan -- Aeolian transportation of dust and sand in deserts of Kazakhstan -- Conclusions.
Sommario/riassunto	This book highlights the aeolian processes in the desert zone of Kazakhstan and analyzes the current status of dust and sand storms in Central Asia and Kazakhstan. It also highlights the analyses, dynamics and long-term observations of storms on the basis of numerous cartographic materials and satellite images. Dust/sand storms are a common and important phenomenon in the arid and semi-arid regions

of Kazakhstan, especially in its southern parts, where areas are covered by a great variety of deserts and offer a significant source of mineral and salt aerosols. The deserts of Kazakhstan mostly cover lowlands and extend from the eastern coast of the Caspian Sea to the piedmonts of the Tien-Shan Mountain. In Kazakhstan, desertification processes due to wind erosion in the form of dust/sand storms were observed in semi-desert and desert landscapes.

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