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Titolo	Dust and Health : Challenges and Solutions / / edited by Ali Al-Dousari, Muhammad Zaffar Hashmi
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Descrizione fisica	1 online resource (258 pages)
Collana	Emerging Contaminants and Associated Treatment Technologies, , 2524-6410
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Soggetti	Environmental health Pollution Medical microbiology Respiratory organs - Diseases Environmental Health Medical Microbiology Pneumology
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1-Introduction to Dust Pollution -- 2-Mechanisms of dust generation and release -- 3-Industrial Dust -- 4-Construction site dust and health effects -- 5-Dust and microorganisms: Their interactions and health effects -- 6-Chemicals associated with dust and health effects -- 7-Dust mortality and morbidity -- 8-Dust and eye health -- 9-The Effect of dust on infants' Nose, Eyes and Respiratory Symptoms and control measures -- 10-Epidemiological challenges: the health effect of dust -- 11-Detoxifying human health from dust effect -- 12-Exposure of Air Pollution (PM2.5, PM10, NO2, O3, SO2) and Dust and Associated Health Risk in the Arid Region -- 13-Microbiology of dust storms and the effect on health -- 14-Bioaerosol and Pollen associated with dust and health impacts -- 15-The effect of atmospheric dust on ecosystem functioning -- 16-Assessment of the Airborne Microbes in the Dust -- 17-Emerging applied techniques, strategies and control methods for

dust effect on health. .

#### Sommario/riassunto

This book discusses the sources, human health hazards and risk prevention strategies associated with aeolian dust particles (fine and ultrafine) in the atmosphere. It covers the challenges of accurately forecasting aeolian dust and the need to raise public awareness on the warning signs and harmful impacts of airborne dust. Also discussed is the presence of microorganisms, heavy metals and other pollutants in dust which contributes to harmful impacts on human health as well as management and treatment options for the various health issues that can result from exposure. The book is a useful resource for scientists, engineers and policymakers interested in dust and health.