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""DISTRIBUTION OF HEAVY METALS IN ATTIC AND DEPOSITED DUST IN THE VICINITY OF COPPER ORE PROCESSING AND FERRONICKEL SMELTER PLANTS IN THE REPUBLIC OF MACEDONIA ""; ""ABSTRACT""; ""1. INTRODUCTION ""; ""1.1. Atmospheric Dust ""; ""1.2. Dust Deposition "" ""1.3. Heavy Metals (Dust) Emission "" ""1.4. Monitoring of Heavy Metals (Dust) Deposition ""; ""1.5. Study Issue""; ""2. STUDY AREA""; ""2.1. RadoviA; (Copper Mine Case Study) ""; ""2.1.1. Geological Description ""; ""2.2. Kavadarci (Ferronickel Smelter Plant Case Study) ""; ""2.2.1. Geological Description ""; ""3. MATERIALS AND METHODS ""; ""3.1. Sampling and Sampling Preparation ""; ""3.2. Instrumentation ""; ""3.3. Data Processing ""; ""4. RESULTS AND DISCUSSION ""; ""4.1. Attic Dust as Sampling Media""; ""4.1.1. Copper Ore Processing Case Study "" ""4.1.2. Ferronickel Smelter Plant Case "" ""4.2. Total Deposited Dust as Sampling Media ""; ""4.2.1. Copper Mining and Ore Processing Case ""; ""4.2.2. Ferro-Nickel Smelter Plant Case ""; ""CONCLUSION ""; ""REFERENCES ""; ""METHODS FOR THE CHARACTERISATION AND CONTROL OF DUST IN MATERIALS HANDLING APPLICATIONS WITH A SPECIFIC FOCUS ON PASSIVE DUST CONTROL IN TRANSFER CHUTES ""; ""ABSTRACT ""; ""INTRODUCTION""; ""CHARACTERISATION TECHNIQUES ""; ""Particle Size Distribution ""; ""Minimum Pick-Up Velocity ""; ""Dustiness Tester""; ""Wind Tunnel Testing "" ""Occupational Health and Safety Standards ""

## Sommario/riassunto

In this book, the authors present current research in the study of the sources, environmental concerns and control of dust. Topics discussed in this compilation include the characterization of heavy metals content in attic dust from copper ore and ferronickel smelter processing plants in Macedonia; dust control in the mining industry of Australia; the health and environmental effects of dust storms in the Arabian Peninsula; dust fallout and its potential hazard on public health in Kuwait; photochemical and climate implications of airborne dust and assessing the quality of the urban environment by the elemental concentrations of foliage dust.