

# Zambian Dust Spectrometer



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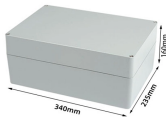
Subsequently, this study aimed to evaluate personal respirable dust and RCS exposure concentrations at the 2 mining shafts and the concentrator plant at a Zambian copper mine.



This systematic review was undertaken to assess the available knowledge on RD and RCS measurements in copper mines, and provide recommendations for the Zambian Government to ...



The Indoor Wide Range Aerosol Spectrometer combines two technologies for particle counting and classifying: a Scanning Mobility Particle Sizer (SMPS+C) with a butanol condensation particle ...



This study's objectives were to evaluate copper miners' personal exposure to respirable dust and respirable crystalline silica (RCS) and to assess workplace compliance using the European ...



Tracing the spatial distribution and mobility of metal/metalloid contaminants in Oxisols in the vicinity of the Nkana copper smelter, Copperbelt province, Zambia.



We measured the quartz content of 20 bulk settled dust and 200 respirable dust samples in a cross-sectional dust exposure assessment that is part of an epidemiological study to ascertain the risk of ...



This is the first study to analyze personal respirable dust exposure data collected from a Zambian copper mine and aims to highlight jobs and work areas where workers are at risk of high exposure to ...



In this particular study, we investigate dusts from Cu-Co metal smelters in the Zambian Copperbelt, using a combination of miner-ological techniques (XRD, SEM/EDS, and TEM/ EDS), in order to ...



Dust from Zambian smelters poses significant health risks due to contaminant bioaccessibility rates between 21% and 89%. Daily oral intake estimates for adults exceed tolerable limits for cobalt ...



The study assessed the dust levels, sources and controls for silica dust in the construction industry in Zambia. This was done using overt observation, an observation schedule, and a camera...

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