



Spatial Distribution of Settled Air Pollution in Mitrovica-Comparison Between Seasons 2006-2007

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Abstract: This study (research) was carried out in the city of Mitrovica, which is situated in Kosovo north with geographical coordinates 42 degrees and 53 min in Kosovo north and 20 degrees and 52 min in the east. More concretely, the monitoring covers the area in north-east part of Mitrovica, where the scope of monitoring is 7 km of air space. Total number of monitoring points is 9, which cover the urban area with a higher density of population. From the use of Lead and Zinc Mine in Stan -Tërg and activities carried out by chemical industries in the area in the past, a serious problem was caused in this part of Mitrovica in environment degradation with the created dust depositions dumps from the remains of chemical-technological processes of the mine in Zvecan and other industrial activities. These depositions are a permanent source of air pollution, which was suspended in air at any time. Exposure to certain types of settled dust and it's associated contaminant load can be detrimental to human health. In this study, we are focused on researching air pollution by dust deposition during years 2006 and 2007, and dust-fall ranged from 79.361 to 2303.10 mg/m²day according to our study, where we can conclude that there is an enormous excess in water quality according to WHO standards. We did a comparison of air pollution for this period and we monitored the meteorological conditions in the spread of dust from the created depositions from the mine use and industrial activities.

Keywords: *spatial distribution of deposition (precipitate), deposited dust, meteorological conditions*

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