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ACCIDENTAL POLLUTION WITH AMMONIA. INFLUENCE OF METEOROLOGICAL FACTORS

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Abstract

Air quality in urban areas mostly depends on the type and size of industrial activities, traffic intensity, municipal and industrial waste management. In addition to these factors, air quality in urban areas also depends on the size and quality of green areas, population density, geographic and climatic conditions. This paper reveals the correlations between air quality aspects in Bacau City, Romania (related to 2011) and the most representative climatic factors that influence the pollutant dispersion. The correlation was made based on data resulted from the analysis of ammonia (NH₃) concentrations and their variations in the case of accidental pollutions caused by an important chemical plant located in the south-east of Bacau City, Romania

Key words: air pollution, ammonia, climatic factors, humidity, temperature, wind

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