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CHARGED AIR – BORNE PARTICLES AS INDICATORS OF ATMOSPHERIC POLLUTION AND THEIR RELATION TO THE HEALTH OF LOCAL POPULATION IN THREE ROMANIAN CITIES

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Abstract

Electrically charged particles of air pollution show the degree of atmospheric air pollution those indicators being consistent with some chemical indicators of air pollution. This study analyses the electrical indicators of atmospheric pollution (EIAP) present in various zones around the cities of Iasi, Bacau and Piatra Neamt and correlate them with the incidence of some diseases amongst the population. The results show that certain values of electrical indicators of atmospheric pollution point to a higher incidence of diseases, especially to respiratory and cardiovascular diseases. Higher concentrations of electrically charged particles relate to higher degree of atmospheric air pollution and to higher incidence of disease in local population.

Key words: air ionization, electrical indicators, environmental pollution

Received: March, 2015; Revised final: October, 2015; Accepted: October, 2015

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