

Complex Evaluation of Air Quality in Rezekne

Andris Skromulis

Rezekne Higher Education Institution

Paper presents results of air ionization level measurements made in past 3 years in Rezekne city. The concentrations of positive and negative air ions with mobility factor $k \geq 0,4 \text{ cm}^2/\text{V}\cdot\text{s}$ were obtained by portative air-ion counter "Sapfir-3M" (Russia) in 8 parts of the city thrice per day. The approximate interconnections among ionization and chemical and mechanical pollution of air were analyzed. The complex evaluation of long – term air pollution impact on different parts of city is carried out using methods of lichenoidication and air ion research.