

# ECOLOGY AND DISTRIBUTION OF ALLERGIC PLANTS POLLEN IN UKRAINE

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## *Summary*

The comparative study of aeropalynological samples from most ecologically clean places — reserves Mikhailovskaya Tselina and Khomutovskaya Steppe — and most polluted regions — Kiev and Kanev cities — was carried out. The monitoring of air has shown some differences in aeropalynological spectrum of the studied territories. In aeropalynological samples from steppe zone the pollen of herbs prevailed. In preparations from wood and wood-steppe zones the pollen of trees dominated. In city regions the air contained a lot of pollen of weeds — an indicator of human industrial activity and pollution of the soils. In the samples from reserves the pollen of the plants, not typical for the local area, was found. This proved an opportunity of distant drift of pollen from the polluted to the clean areas. As the pollen can accumulate the harmful substances, such studies are very necessary.