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Airborne Pollen Concentration in Kütahya


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Abstract: The airborne pollen cocentration in the atmosphere of Kütahya was determined by gravimetry with a Durham sampler in 1996. During this study, 23 taxa of arboreal and 14 taxa of herbaceous pollen grains were collected and identified. Pollen from the following taxa were also found to be prevalent in the atmosphere of Kütahya: Pinus L., Cupressaceae, Platanus orientalis L., Quercus L., Oleaceae, Gramineae, Urticaceae, Chenopodiaceae/ Amaranthaceae, Compositae and Plantago L. The effects of meteorological factors (temperature, humidity, wind speed, rainfall) on pollen production, dispersal and concentration in the atmosphere of Kütahya were observed.



Key Words: Pollen grains, Pollen concentration, Meteorological factors.

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