

Summary

The paper presents results of application of the X-ray photoelectron spectroscopy (XPS) to investigations of external layer of particles of PM₁, PM_{1–2.5}, PM_{2.5–10}, the three fractions of suspended dust. The dust was sampled with the use of a Dekati PM-10 impactor within premises of the Institute of Environmental Engineering of the Polish Academy of Sciences in Zabrze, and physicochemical analyzed in the Institute of Physics of the University of Silesia. Carbon was shown to be the chief component of the investigated dust particles. Its relative content in particle surface grows with decreasing aerodynamic diameter of particles