SPECTROSCOPIC METHODS IN THE PROTECTION OF ENVIRONMENT

Summary

Creations of human thought and new technologies which do not take into account the reduction of harmful wastes emitted to the atmosphere and the soil cause degradation of the environment. Many methods of analysis of the environment (soil, surface water, atmosphere) is based on spectroscopy. Spectroscopic methods allow both identify and measure trace amounts of certain elements or molecules, and thoroughly understand their environment. There are a number of examples of the application of spectroscopic methods for the analysis of the environment. In this paper is presented the monitoring of the atmosphere through lidar, the analysis of soil or water using laser spectroscopy of high-capacity distribution or fluorescent methods, the identification of certain elements by means of X-ray absorption or X-ray scattering etc.