

## ECOLOGICAL MONITORING OF MEGAPOLIS ON THE BASIS OF DIFFERENTIAL BACKSCATTERING CONTROL OF THE WOOD CULTURE

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The application of the differential backscattering method and the fluorescent analysis of wood cultures for the determination of ecological quality of different megapolis areas are investigated. The correlation of leaves optical characteristics with the data of the chemical analysis of leaves pigments concentration is shown on the basis of year statistical results of wood cultures spectral characteristics observation. It is experimentally found, that the method of differential backscattering allows to identify megapolis areas on their ecological level.

*Ecological monitoring, differential backscattering, fluorescence, the chemical analysis, nonlinear factor, differential factor, atmospheric pollutions*

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