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Tree-ring estimation of the effect of industrial pollution on pine (*Pinus sylvestris*) and fir (*Abies alba*) in the Ojców National Park (southern Poland)

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**Abstract:** Analysis of annual growths was used for an evaluation of the influence of industrial pollution on the health of pine and fir trees growing in the Ojców National Park. On this basis a growth reduction pattern was elaborated, as to the dimensions and time intervals of occurrences of the reductions. The study enables one to evaluate the state of health condition of the analysed forests. In firs some revitalization of growth has been noted in the most recent years, however, no symptoms of regeneration could be observed among pines.

**Key words:** tree-ring analysis, industrial pollution, fir, pine, Ojców National Park, southern Poland.