

# **IMPACT OF ENVIRONMENTAL POLLUTION ON CHROMOSOMES AND DNA OF INHABITANTS OF UPPER SILESIA**

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## **SUMMARY**

Highly industrialized and densely inhabited region of Upper Silesia, Poland, presents an area of ecological disaster. Air quality is bad, and does not meet any quality standards. In peripheral blood white cells, the level of chromosomal aberrations, sister chromatid exchanges and DNA-adducts in adult, male individuals exposed to environmental pollution exceed values found for males in non-industrialized region.

*Key words:* air pollution, chromosomal aberrations, DNA adducts

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