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Topic of Research: Impact of Industries on Health of Workers: A Case Study of Delhi

Summary of Abstract

The rapid industrialisation in Delhi is creating pressure on an environment and inducing the environmental pollution which has been affecting the worker's health and wellbeing. It was found that the industrial areas have high concentration of PM₁₀ and PM_{2.5} in post-monsoon, winter, and pre-monsoon, while in monsoon, pollution reduced significantly. NO₂ and CO were found under permissible limit in monsoon and pre-monsoon season, but in winter and post-monsoon season, it was found in moderate range in many industrial areas. The respiratory health of industrial workers was found significantly associated with PM_{2.5}, NO₂ and CO in the present study. The present research work has also found that the presence of lead, mercury, fluoride, sulfate, and pH in drinking water, was beyond acceptable limit at several industrial areas of Delhi. Simultaneously, industrial workers were found suffering from vomiting, nausea, and diarrhea in the study area. Sound measurement was found under permissible limit but primary survey has showed that health of industrial workers was not upto the mark as 24.5 per cent industrial workers were suffering from tinnitus, 17.5 per cent were experiencing loss of hearing, 13.75 per cent industrial workers were facing high blood pressure and 9 per cent low blood pressure.