

## The Toxic Effect of Using Cyanide in Gobat Salime Village

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**G**obat Salime is one of the most affected villages by cyanide used by the traditional mining in Northern Sudan; Cyanide appears to be without control in that part of Sudan.

The general objective of this research is to study the destructive toxic effect of losing control in mining by using cyanide and to determine the magnitude of the effect that resulted from mining by using cyanide in Gobat Salime, so as to recommend appropriate awareness measures to promote health and reduce the hazards to eliminate the ignorance about health guideline of cyanide poisoning.

And finally to help in reducing the danger related to mining by using cyanide on human being and the environment.

**Methodology:** This is a descriptive cross sectional study, conducted at Gobat salime.

The study population is 1600 (1) a sample of 144 male and female is selected by using systemic random sampling. Three types of tools have been used: open-ended questionnaire (2) (3), Blood lactate level test and a sample from the soil in the study area (multistage procedure) (4).

**Results:** Dying cattle, reduction in the number of birds, numbers of human poisoned by cyanide which leads ultimately twice to death, increase in cyanide range in soil and abnormal lactate level in blood.

**Conclusion:** The use of cyanide is only causing harm to population instead of being a useful tool to help explore the natural recourse to help the economy. The government should take look into demolishing all cyanide use to help reduce the harm it causes in those areas and reserve human life to be protected from danger it brings.

### Reference:

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