

## ECOLOGY OF INDUSTRIAL POLLUTION

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### ABSTRACT

Oil pollution of soils is chemically complex process and it is mostly occurred around of oil drilling fields and pipeline systems. At the same time with oil hydrocarbons such compounds as salts, heavy metals, sulphides and other chemical mixture occur in the soil. The studied soils are long-term polluted. The grey-brown and sandy soils differ from other soils by low supplied chemical, humus, and micronutrients contents as well as their average fertility. The concentrations of As, Cd, Co, Cr, Cu, Fe, Mn, Ni, Pb, Sb, V and Zn elements in soils were determined by Aqua regia method. Furthermore, the variations in the contents of soil pH, organic carbon and humus contents under oil pollution were studied.

**Keywords:** oil pollution, heavy metals, industrial pollution, ecology, organic carbon, biochemistry