

Study of contamination of earth (Soil and ground water) through leaching of sewage waste from heavily loaded unlined drains in Delhi by Dr. Tanu Jindal, Amity University, NOIDA

In the lysimetric study of unlined Drains in Delhi parameters like calcium hardness, total hardness, total dissolved solids, nitrite, nitrate, electrical conductivity are found to present much above the WHO permissible limits in the leachate. The high EC causes salinity of Ground water. High concentration of nitrate and nitrite may cause the blue baby syndrome. The COD of leachate and drain water samples were much below the WHO permissible limits. However heavy metals, pesticides, PAH and polychlorinated biphenyls are not detected. Microbial contamination of total and fecal coliform has also been found in leachates.