

14th International Conference on

METABOLOMICS AND PROTEOMICS

March 28-29, 2019 Osaka, Japan

Toxic effects of chromium metal releasing from tanneries on plants, soil, water, effluent and urine of workers**Yaqoot Sumbal, Shazia Perveen, Sumaira Kanwal**
Comsats University Islamabad Sahiwal, Pakistan

Toxic Effects of Chromium Metal on plants, soil and water in Vicinity of Tannery Industries and on the urine of labor working in tannery Located in Sahiwal have been seen. In this regard, data has been taken from two tanneries (Yousaf Tannery and Qamar Tannery). Results show that the metal has very toxic effects on plant, soil and water and hence polluting the environment. Effluents from the tannery contain a large amount of Cr and have hazardous effects on plants therefore a very little flora has been found near tanneries. Results also show the toxic effects of waste on soil. This waste has been damaged the characteristic features of soil by reducing its fertility, damaging its color and increasing its pH that it is not suitable for the growth of plants. Water near the tannery has noticeable amount of Cr according to results. However, the effect of Cr on the urine of workers has not remarkable effects.

sumaira.kanwal@ciitsahiwal.edu.pk

Notes: