CHEMICAL TOXICOLOGY: A BRIEF REVIEW

By

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Abstract :

In this note I wish to report two main toxicological metals like Pb & As, the most toxic components of air and water pollution.

LEAD (Pb) - In this short note we specify the main source of Lead, Toxic effect, and the analytical methods of detection. Source of Lead and Toxic Effect ➤ In this short note we specify the main source of Lead, Toxic effect, and the analytical methods of detection. ➤ The main source of Pb is RED LEAD and LITHARGE used in paint industry, Gun and Shell industry.

Apart from these **Pb (Et)₄ Tetra ethyl lead** an organometallic released from Petrol automobiles used as an ANTINOCK ADDITIVES OF PETROL. The main Challenge is how to prevent this pollution!

Due to toxic heavy metal like Pb deposition is foetal for Skin, Bone, Heart, Kidney, Liver etc. These entire can probably caused obesity. Lead can be precisely determined by FES (FLAME EMISSION SPECTROPHOTOMETRY), AAS (ATOMIC ABSORPTION SPECTROPHOTOMETRY) in ppm level against a Lead STD solution, both in Drinking water and Waste water.

ARSENIC (As) - We that Arsenic (As) is a key Pollutants in Drinking and Waste water. As (III) is more toxic than As (V). Probable diseases caused are hair, appetite loss, weight and GI problem, peripheral neuritis, dermatitis and Skin cancer also carcinogenic in mouth, oesophagus, larynx, and bladder. As limit in West Bengal (From 0.64 ppm to 3.7 g/Lt) from geological source. The As level in ppm can be accurately detected By Atomic Absorption Spectrophotometer / UV-Visible spectrophotometry by Arseno-Molybdate method.

Considering pandemic issue the most fatal biological toxicological issue of SARS-COV-2 can be considered as a result of toxic metal pollutants like lead (Pb), Arsenic (As).

.REFERENCE PROJECT :

INTER DISCIPLINARY RESEARCH AND ACADEMIC ITEMS : A PROJECT
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