



QUALITATIVE ASSESMENT OF HEAVY METALS IN BENGALURU CITY AIR POLLUTION: USING FEW BIOINDICATORS

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ABSTRACT

A study was designed to investigate the accumulation of heavy metals in Bengaluru environment by using some reliable bio-indicators like feathers of the avian community, fur of some animals and human hairs.

Although some heavy metals are essential traces, most of them can be toxic to all forms of life due to formations of complex compounds within the cell. Unlike organic pollutants, the heavy metals once introduced into the environment it becomes difficult to get biodegraded. They persevere perpetually and engender pollution of air, water and soils. Thus analysing this is as vital as they are now considered to induce multiple organ damage even at lower level of exposure. However, concentration cadmium and iron heavy metals indicated in almost all the samples used in the present study. Thus this study provides an apparent repercussion on presence of these heavy metals.

KEY WORDS: Bengaluru, bio-indicators, avian community, fur, human hairs.

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