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Determination of Heavy Metals and Pesticides in potable water supply of Delhi, India.

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ABSTRACT

Delhi, the capital city of India is one of the most populated and industrialized cities in the world. This city is subjected to fast immigration and therefore experiences great anthropogenic pressure. Water pollution is posing a serious problem in Delhi and the causes are attributed to the negative effects of urbanization, industrialization and poor disposal of domestic wastes, industrial wastes and agricultural run offs'. The unthoughtful behaviour of humans has lead to environmental pollution. Some pollutants may spread through various channels and end up in polluting our surface and underground sources of water. Heavy metals and pesticides pollution poses a major threat to our environment presently. The objective of the study was to investigate the occurrence of heavy metals namely Mercury (Hg), Cadmium (Cd), Zinc (Zn), Arsenic (As) and pesticides namely : Chlorobenzilate, Hexachloro-benzene, Benzene ether, pp-DDT, op-DDT, pp-DDE, pp-DDD, alpha-HCH, Beta-HCH, Lindane, Vinclozolin, Conumaphos, Malathion, Phosalone, Cyfluthrin, Cypermethrin, Deltamethrin, Permethrin, Fenvalerate, Fluvalinate, Cyhalothrin, Carbofurn, Propoxeur, Carbaryl, Cymiazol, Amitraz, Bromprophylate, Chinomethionate in the potable water samples collected from various areas of Delhi.

Keywords: Potable Water, Pesticides, Heavy Metals, Anthropogenic Pressure, Delhi Metro.
