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Short Communication

Effect of Cadmium on Metabolism: A study from Coal Field Area

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ABSTRACT

Occurrence of high rates of respiratory diseases among people in the Mahanadi valley coal fields and South-eastern Coal Field area in Raigarh district in Chhattisgarh is taken for present study. Coal combustion enhances air and water pollution resulting in to metabolic disorders and diseases. Method to identify association we selected 100 cases and estimated metabolic parameter and compared with coal pollutants in their drinking water. High Cadmium concentration is found in the air as well as in blood sample of fishes lies in this area. The certain metabolites were found higher in these fishes. Higher air pollution index due to coal combustion making susceptible to people for metabolic disorder in this area.

Keywords: Air pollution, Cadmium toxicity, Blood, Metabolites, diseases.
