

## **Study of Arsenic in Bangladesh groundwater by PIXE Analysis**

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### **Abstract**

250 hair samples collected from Pabna district in Bangladesh were analysed by PIXE and compared with Japanese 250 hair samples. The results show remarkably higher arsenic (23 times) and manganese(29 times) , on the otherhand , selenium concentration shows low level(1/2) compared to the Japanese samples. Also inverse correlation between As and Se was recognized. From this results , it should be deduced that a dose of Se possibly relieve about 80% inhabitant in affected area.