ABSTRACT

Heavy metals such as lead, cadmium, silver, nickel and mercury etc. caused environmental pollution. These heavy metals have been recognised for many years, but it has now become a matter of national concern. They deposited in soils by means of sewage sludge, fertilizer impurities etc. and can enter food chain of men and animals.

The mobility of these heavy metals in soil plays a vital role in determining their efficiency potential for crop damage and environmental pollution.

The work on the mobility of such metals in soils is lacking in literature so it was considered to undertake the "Studies on the influence of organic acids and bases on the mobility of some heavy metals through Aligarh soil by soil thin layer chromatography".

It was found that the organic acids i.e. formic, acetic and oxalic; amino acids i.e. glycine, alanine and valine have increased the mobility of heavy metals. However, no marked influence could be observed in the case of organic bases i.e. nicotine and pyridine. The results have been explained on the basis of reaction mechanism of complex formation, their stability, molecular size, pH and the nature of the heavy metals in soil solutions.
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Hony. Secretary

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Dear Dr. Khan,

Please refer to your letter of March 14, 1984 regarding your paper entitled "The influence of organic Acids and bases on the mobility of some heavy metals through Agra soil". I am to inform you that the paper has been recommended for publication subject to editing/minor revisions etc. Since we are still busy with finally processing the papers received up to mid 1982 only the edited manuscript will be sent to you for fair typing(if necessary) in 3 to 4 months. I request you to kindly wait till then. No interim enquiry is necessary as the paper will appear according to its due priority date.

Yours sincerely,

(A.B. Ghosh)