Thermochimica Acta, 93 (1985) 141
Elsevier Science Publishers B.V., Amsterdam

TA STUDIES OF HEAVY METAL COMPLEXES OF AMINO ACIDS SUCH AS PROLINE, ASPARTIC AND GLUTAMIC ACIDS.

S.Z.Haider and K.M.A.Malik
Dhaka University, Bangladesh
Tommy Wadsten[x]
University of Stockholm, Sweden

Recent work has shown that water hyachint has a very high capacity for adsorbing a variety of metal ions. The overall process of adsorbtion by w.h. is not yet fully understood because it involves complex biological substances such as lignin, collagen, lipids, proteins etc. It is known that w.h. contains several amino acids but little information is available of the chemistry apart from the glycine compounds. This contribution is part of a study of the preparation, properties, structures and reactions in order to search for a plausible explanation for the uptake of metal ions by a very useful and interesting plant, the water hyachint.

REFERENCES

1 S.Z.Haider, K.M.A. Malik and T. Wadsten, Proc. to the 7th Int. Conf. on Thermal Analysis Vol II(1982) 917-26
2 S.Z. Haider, K.M.A. Malik, M.M. Rahman and T. Wadsten Commonwealth Science Council/UNEP Project on Managment of Water Hyachint, Dhaka 1984
3 S.Z. Haider, K.M.A. Malik and T. Wadsten, Proc. of Int. Conf. of Water Hyachint, United Nation Environmental Program (UNEP) 1984

The full text of this contribution was not submitted.

Proceedings of ICTA 85, Bratislava