



Journal of Applicable Chemistry

2016, 5 (6): 1251-1255

(International Peer Reviewed Journal)



Research pedagogy

KAZA'S Carbons- Tools of Detoxification (Removal of Trace Elements like Lead, Manganese) of Aqueous Waste Industrial Effluent Water

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Accepted on 24th October 2016, Published online on 27th November 2016

ABSTRACT

*Industrial Effluents contain many heavy metals like Pb, Mn, Cu, Fe, Hg, Cr, etc., either in traces or in some quantities. Many of these elements exceed the limits given by WHO are carcinogenic and toxic towards human beings and animals though they are required for Human Beings in limited quantities. Several methods of removal of lead in industrial effluents are in vogue in different parts of the world. But almost all such methods involve high operational costs and they need highly skilled and trained technocrats for operation. Therefore, we have been chosen eco-friendly low cost adsorbents KAZA's Carbons prepared from *Cajanus cajan* (Fabaceae)(NCCC), *Brassica* (Cruciferae) (NBSC), *Dolichos lablab* (Fabaceae) (NDLC) and *Typha angastata* (Typhaceae) (NTAC) for removal of lead. By using other KAZA's Carbons prepared from *Bombax Malabricum* (BMC), *Pithacalobium dulce* (PLDC), *Ipomoea batatas* (IBC) and *Peltophoram ferrugineum* (PFC) for removal of Mn. Some other carbons used for other elements. This method gave better results and cheap. These carbons also used successfully for the removal of elements from some industrial aqueous effluents collected from many industrial areas [1-3].*

Keywords: KAZA'S Carbon, detoxification, water.
