

5th Global Chemistry Congress

September 04-06, 2017 | London, UK

Concentration of pb and cd in soil and reed plant of busia and lugari regions of western kenya

Wangila Tsikhungu Phanice
University of Kabianga, Kenya

Heavy metals presence in the environment is of great ecological significance due to their toxicity at certain concentrations, translocation and nonbiodegradability which is responsible for their accumulation in the biosphere. Pb and Cd concentration of soil and reed plant of Busia and Lugari regions of Western Kenya was investigated with an aim of establishing the level of accumulation of the Cd and Pb metals. The level of Cd was generally high in soil samples compared to Pb. The uptake of Pb by reeds within this region is comparable, with TF of 1.4 and 0.205 for *Cyperus papyrus* and *Typha latifolia* reeds respectively.

Biography

Wangila Tsikhungu Phanice is lecturer of chemistry and Head, Physical science department, Chemistry, University of Kabianga, Kenya from 2009 upto present. Currently she is doing her Ph.D in Analytical-Environmental Chemistry from Egerton University, Kenya. Wangila Tsikhungu Phanice has obtained a Masters degree in Chemistry from Egerton University Kenya. Her research interest includes Analytical-Environmental Systems Toxicology, Food and Indigenous Knowledge Heavy and Trace Metals in Environmental Systems with a view of Analytical Chemistry.

tsikhungu@yahoo.com

Notes: