
Abstract

Pakistan being a developing country is facing serious health hazards because of day by day increase in the number of industries. The environmental pollution is the main cause of now a day's worldly problems of health. For increasing livelihood, the land is clearing down by cutting trees to make it available for production of homes, offices, industries etc. All this is because of increase in population which ultimately leading us towards the unhealthy environment. Because of it traffic smoke and other gases from exhaust of chimneys and waste effluents from industries, agriculture and homes are entering into the environment releasing heavy metals in air, water, soil which ultimately enter into the living bodies through either direct contact or through indirect contact. These heavy metals have some essential metals and some are highly toxic metals. The world Health Organization (WHO), European Union (EU) and National Research Council (NRC) have set forth the tolerable ranges of every metal either toxic or essential, above or below which it is hazardous to life of living organisms. This range of values is different, depending upon the medium. As these metals once enter into environment goes to food chain and then ultimately to food web, from environment it goes to plants and water giving rise to poultry feed and water. It when given to chicken, heavy metals enter into its meat and eggs. That's why this study is done which was not done before to give the awareness to people and also alarm the Government to take an action on quality management for betterment of life. From the research of evaluation of toxic metals i.e (Cd, Pb, Cr, Cu and Ni) in chicken products i.e (kidney, liver, muscle, bone, duodenum, stomach, egg yolk and egg albumin) and their Feed and water by use of atomic absorption spectrometer, it is concluded that the amount of toxic metals in few samples is higher than the normal range. All other samples have them in tolerable range. For the purpose of checking contamination in meat all the possible things are viewed by AAS. Feed, water, eggs albumin and yolk and chicken meat are collected and deliberately checked. Results show that concentration of Cd & Pb is high in kidney samples taken from Icchra Market, concentration of Cu is equal to normal range in kidney sample taken from Johar Town Market, Cd is near to normal value taken from Gulberg Market. In Feed samples Cd is high in Modern farms feed and Pb is high in High-Tech Feed. All other samples are in normal range. In water and egg samples no metal is in high concentration. All metals i.e Cd, Pb, Ni, Cu and Cr fall in normal range in water and egg samples.
