World Academy of Science, Engineering and Technology
International Journal of Mathematical and Computational Sciences
Vol:14, No:12, 2020

Concentration of Some Hazardous Metals (Cd, Pb and Ni) in Egg Samples Analysed from Poultry Farms Located near Automechanics Workshops, Industrial Areas and Roadsides in Kano and Kaduna

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Abstract : The aim of this work is to study the effect of farm site location by determining the levels of hazardous metals in poultry eggs samples collected near auto mechanics, industrial areas and roadsides in Kaduna and Kano States of Nigeria. Atomic absorption spectrophotometer was used for the analysis of the metals. The mean concentration ranges of the metals analysed in egg white and egg yolk were Pb: 0.05-0.10mgkg^{-1}, Ni: 0.10-0.30mgkg^{-1} and Cd: not detected -0.03mgkg^{-1}. It was concluded that farm site locations has very low significant effect on the concentration of hazardous metals level.

Keywords : albumen, Egg, hazardous metals, poultry farms
Conference Title : ICSRD 2020 : International Conference on Scientific Research and Development
Conference Location : Chicago, United States
Conference Dates : December 12-13, 2020

Open Science Index, Mathematical and Computational Sciences Vol:14, No:12, 2020 publications.waset.org/abstracts/60030/pdf