Application of Pollution Load Indices, Enrichment Factors, Contamination Factor and Health Risk Assessment of Heavy Metals Pollution of Soils of Welding Workshops at Old Panteka Market, Kaduna-Nigeria

Published On: August 07, 2020 | Pages: 011 - 019

Author(s): Abdullateef Jimoh*, Edith B Agbaji, Victor O Ajibola and Mustapha A Funtua

The concentration of five soil heavy metals ions (Cr6+, Cu2+, Cd2+, Pb2+, and Ni2+) was measured in eleven sampling sites along Old Panteka market Kaduna from two different depths. These chemical elements in the samples were determined using atomic absorption spectrometer. The assessment of heavy metal pollution was derived using the Enrichment Factors (EF) and geoacc ...

A fluorescence enhancement assay for measurement of glutamate decarboxylase activity

Published On: June 29, 2020 | Pages: 007 - 010

Author(s): Manoochehr Messripour* and Azadeh Mesripour

Glutamic Acid Decarboxylase (GAD) is an enzyme that converts glutamate to -aminobutyric acid (GABA) both in the brain and pancreatic -cells. Several analytical methods are described for quantitative assay of GAD, where little attention has been given to the enzyme regulation in tissues, in part, due to the complexity of the methods. In this study, a novel fluorimeter ...

Isocratic HPLC Method for Simultaneous Determination of Amlodipine and
An HPLC method had been developed and validated for rapid simultaneous separation and determination of the two antihypertensive drugs, amlodipine and xipamide in human plasma within 5 minutes. ...