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In this issue

Research Article

Open Access Research Article PTZAID:ATTE-8-119

Heavy Metal Contamination in Soil and Health Risk Assessment through Onion Consumption in Mojo and Koka, Ethiopia

Published On: July 04, 2024 | Pages: 030 - 036

Author(s): Hailu Reta*, Nibret Mekonen and Bayissa Leta

The objective of this study was to determine the concentration of heavy metals in the soil and horticultural crops grown under irrigation in the Mojo and Koka sites in Oromia, Ethiopia, and to evaluate the potential health risks that these metals may cause to consumers. For this investigation, a total of 50 onion (Allium porrum L.) and 50 soil samples were gathered. T ...

Abstract View Full Article View DOI: 10.17352/atte.000019

Review Article

Open Access Review Article PTZAID:ATTE-8-118

Silver nanoparticles forensic uses and toxicity on vital organs and different body systems

Published On: May 10, 2024 | Pages: 015 - 029

Author(s): Mashael Kh ALAtawi, Asma A AlAsmari, Abeer Dh AlAliany, Maryim M Almajed and Mohamed Ibrahim Sakran

This study aimed to investigate the forensic uses and potential toxicity of silver nanoparticles on vital organs and different body systems. A systematic review methodology was used to identify and critically evaluate the literature on the forensic uses of silver nanoparticles in different fields and to assess their potential toxicity on various vital organs and body ...

Abstract View Full Article View DOI: 10.17352/atte.000018

Open Access Review Article PTZAID:ATTE-8-116

Chemical characterization and health risks associated with e-cigarettes: A

comprehensive review

Published On: April 05, 2024 | Pages: 001 - 001

Author(s): Ramon Sanchez-Rosario*, Karla Pratt, Mónica Aquino, Pedro Vega, Sergio H Sanchez and Doris Peña-Calderon

The evolution of the cigarette industry took us from traditional to electronic cigarettes (e-cigs). These are electronic devices that produce nicotine-containing aerosols by heating a liquid (e-liquid) that contains the drug as well as other numerous compounds. Although designed to decrease the harmful effects of traditional cigarettes, little is known about the long- ...

Abstract View Full Article View DOI: 10.17352/atte.000016

Short Communication

Open Access Short Communication PTZAID:ATTE-8-117

Herbicides and pinching off in birds of prey – pilot study

Published On: April 16, 2024 | Pages: 012 - 014

Author(s): Peter C Leendertse*, Bas Tinhout and Arnold van den Burg

In this pilot study the herbicide tembotrione was detected in three dead nestling goshawks that suffered from excessive feather loss (also known as “pinching-off”) and other internal anomalies. Tembotrione is used in maize cultivation and it blocks an essential enzyme in most plants, thereby preventing photosynthesis. It also blocks this enzyme in birds, which may lea ...

Abstract View Full Article View DOI: 10.17352/atte.000017