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In this issue

Research Article

Open Access Research Article PTZAID:AEST-2-115

Particulate matter (PM10) and oxides of Nitrogen (NOx) each independently predict respiratory emergency outcomes

Published On: June 30, 2017 | Pages: 074 - 079

Author(s): Seán Cournane, Richard Conway, Declan Byrne, Deirdre O'Riordan, Seamus Coveney and Bernard Silke*

Background: The impact of environmental air pollutants on the outcome of an emergency hospitalisation of respiratory patients has received limited study. We report on how levels of pollutants, particulate matter levels (PM10) and oxides of Nitrogen (NOx) infl uence hospital outcomes (30-day inhospital mortality). ...

Abstract View Full Article View DOI: 10.17352/aest.000015

Open Access Research Article PTZAID:AEST-2-114

PON1 Inter-individual Enzymatic activity variation as a predictor of OPC toxicity in agricultural workers presented to PCCASU, Egypt

Published On: May 29, 2017 | Pages: 068 - 073

Author(s): Mohamed Safwat Soliman, Manal El-Sayed Abd El Salam, Mahmoud Lotfy Sakr, Marwa M Fawzi* and Aya Shawky Khater

Organophosphate compounds result in numerous toxicities because of their widespread usage and easy accessibility especially in the developing world's agricultural communities. PON1 activity towards OPCs shows inter individual variations. Isoforms of the enzyme differing in their PON1 activity result from amino acid substitutions at positions 192 which is glutamine (Q) ...

Abstract View Full Article View DOI: 10.17352/aest.000014

Open Access Research Article PTZAID:AEST-2-112

Removal of 17- Ethinylestradiol from Water Systems by Adsorption on Polyacrylonitrile Beads: Isotherm and Kinetics Studies

Published On: April 07, 2017 | Pages: 048 - 058

Author(s): Luigi Mita, Maurizio Forte, Adriana Rossi, Claudia Adamo, Sergio Rossi, Damiano Gustavo Mita*, Marco Guida, Marianna Portaccio, Tzonka Godievargova, Ivanov Yavour, Mohamed Samir and Mohy Eldin

An investigation on the removal of 17-a-Ethinyl Estradiol (EE2) from aqueous solutions using Polyacrylonitrile (PAN) beads has been carried out under closed conditions. ...

Abstract View Full Article View DOI: 10.17352/aest.000012

Open Access Research Article PTZAID:AEST-2-110

Prevalence of Respiratory Symptoms, Bronchial Asthma and Obstructive Lung Disease among Tannery Workers

Published On: January 30, 2017 | Pages: 033 - 042

Author(s): Asad Jamall*, Atif Mehmood, Fehmida Khatoon, Tuula Putus, Heikki Savolainen and Jyrki Liesivuori

Objectives: We determined the prevalence of respiratory symptoms, bronchial asthma and obstructive lung disease among selected tannery workers. ...

Abstract View Full Article View DOI: 10.17352/aest.000010

Open Access Research Article PTZAID:AEST-2-107

Evaluation of Physico-Chemical Parameters and Minerals Status of Different Water Sources at High Altitude

Published On: January 18, 2017 | Pages: 010 - 018

Author(s): Vijay K Bharti*, Arup Giri and Krishna Kumar

Physico-chemical properties and minerals status is an important decisive factor for assessment of drinking water quality. There are limited literatures on this aspect for drinking water quality of high altitude areas; therefore, the present investigation was carried out to evaluate different physico-chemical parameters and some essential minerals status in differen ...

Abstract View Full Article View DOI: 10.17352/aest.000007

Open Access Research Article PTZAID:AEST-2-105

Physico-Chemical Factors of Lubilanji River (Oriental Kasaï Province, Democratic Republic of the Congo)

Published On: January 03, 2017 | Pages: 001 - 004

Author(s): André Kabamba Mulangu, Isaac Ekyamba Shabani and Alidor Busanga Kankonda*

Background and aim: Fishing and fish farming sectors currently face major challenges related to the lack of knowledge of data on the physico-chemical quality of water bodies from Lubilanji River. This investigation intended to determine the physico-chemical parameters of Lubilanji River. ...

Abstract View Full Article View DOI: 10.17352/aest.000005

Review Article

Open Access Review Article PTZAID:AEST-2-116

Environmental communication in Moroccan enterprises: progress, transition and practice

Published On: October 26, 2017 | Pages: 080 - 085

Author(s): Nadia Haouari, Abdelhadi Makan* and Abderrahmene El Ghmari

This study consists essentially of a review of the available literature sources concerned about environmental communication aspect and its context in Moroccan enterprises. Firstly, the progress and effort made to anchor environmental communication and sustainable development principles are presented despite difficulties encountered to meet this challenge. ...

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

Open Access Review Article PTZAID:AEST-2-113

Nanoparticles in Biosolids: Effect on Soil Health and Crop Growth

Published On: April 17, 2017 | Pages: 059 - 067

Author(s): Abioye O Fayiga* and Uttam K Saha

Nanoparticles are becoming popular from their use in medicine for therapy, diagnostics and imaging, in pharmacy for drug delivery, to its use in electronics, engineering and manufacturing industries. ...

Abstract View | Full Article View | DOI: 10.17352/aest.000013

Open Access Review Article PTZAID:AEST-2-111

Effects of Fluoride on Respiration and Photosynthesis in Plants: An Overview

Published On: March 18, 2017 | Pages: 043 - 047

Author(s): Krishna Kumar*, Arup Giri, Prince Vivek, Kalaiyarasan T and Bhuvnesh Kumar

Among all the halides, Fluoride (F) caused most severe adverse effects on plants through air, soil, and water, exposure. ...

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Open Access Review Article PTZAID:AEST-2-109

Fluoride Sources, Toxicity and Its Amelioration: A Review

Published On: January 21, 2017 | Pages: 021 - 032

Author(s): Vijay K Bharti*, Arup Giri and Krishna Kumar

In recent scenario, fl uorosis is now going to be a severe problem throughout the globe due to toxic effects of fl uoride (F) on both plants and animals. F presents in the halogenated group of the periodic table and has the characteristics of electronegativity. Natural geological sources and increased industrialization have contributed greatly to the increasing inc ...

Abstract View | Full Article View | DOI: 10.17352/aest.000009

Open Access Review Article PTZAID:AEST-2-106

Present Status and Future Perspectives on Dioxins/Furans and Polychlorinated Biphenyls Policies in Malaysia

Published On: January 03, 2017 | Pages: 005 - 009

Author(s): Nurul Izzati Azmi, Yin-Hui Leong* and Mohamed Isa Abdul Majid

Dioxins/furans and polychlorinated biphenyls (PCBs) are persistent organic pollutants (POPs) that are lipophilic and toxic in the environment. These contaminants are found in some soils, sediments, feed and food, especially dairy products, meat, fish and shellfish. ...

Abstract View | Full Article View | DOI: 10.17352/aest.000006

Editorial

Open Access Editorial PTZAID:AEST-2-108

Haze Disaster in South East Asia: An Urgent Study on the Effect of Dioxins to the Firefighters

Published On: January 20, 2017 | Pages: 019 - 020

Author(s): Yin-Hui Leong*, Ahmad Shalihin Mohd Samin and Mohamed Isa Abdul Majid

Firefighters may be exposed to a wide variety of toxic chemicals in their line of work, including volatile organic compounds, polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), brominated fl ame retardants (BFRs), metals, and various combustion by-products [1-4]. Such exposures can occur through inhalation and skin contact, although advances in ...

Abstract View | Full Article View | Additional File(s) | DOI: 10.17352/aest.000008