

In this issue

Research Article

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[Grass species litter have varied trait response to the photodegradation and microbial decomposition in tropical savanna grasslands, South Africa](#)

Published On: September 15, 2022 | Pages: 054 - 062

Author(s): Mmoto L Masubelele* and William Bond

Purpose of the paper: This paper evaluated the effects of microbial and photodegradation on the ten grass species in a tropical grassland ecosystem in South Africa. Despite continuous necromass accumulation in tropical grasslands, the process that governs how the grass litter gets to the soil has often been ignored. In the absence of fire, abiotic factors and biotic f ...

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[Antimicrobial and synergistic potential of Ocimum gratissimum leaves and Petiveria alliacea bark against some selected microorganisms](#)

Published On: May 12, 2022 | Pages: 041 - 046

Author(s): Idris Saheeb Oladele and Foluso Akinbode Ologundudu*

Background: This study was carried out to investigate the antimicrobial and synergistic potential of the leaves of Ocimum gratissimum and bark of Petiveria alliacea against some tested bacterial and fungal isolates. Fresh and matured leaves of Ocimum gratissimum and bark of Petiveria alliacea were collected from the Institute of Agriculture, Research and Training, Iba ...

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[Minimizing human race creating an unknown climate leading to pandemics-Need of the time](#)

Published On: January 06, 2022 | Pages: 001 - 012

Author(s): K Suresh*

We are on a planet that orbits the Sun which emits a huge amount of energy. The climate we experience is a result of an energy gradient across Earth and an imbalance in energy across the world due to axial tilt of Earth rotation. ...

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Review Article

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[The impact of stock market capitalisation, international investment, clean energy on CO2 emissions: New insight from listed domestic companies in Belgium](#)

Published On: March 30, 2022 | Pages: 026 - 034

Author(s): Benjamin Ampomah Asiedu* and Emmanuel Adu Boahen

The paper fundamentally explores the impact of Belgium's stock market capitalization, international investment, clean energy on CO2 emissions from 1990-to 2018. More pertinently, our study analogizes the diverse impact of Belgium's stock market capitalization, international investment, clean energy, and environmental quality. Through cointegration analysis, stock mark ...

[Abstract View](#) | [Full Article View](#) | DOI: [10.17352/aest.000049](https://doi.org/10.17352/aest.000049)

Case Report

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[Application of the standard case definition in the case of Congo-Crimean Hemorrhagic Fever \(CCHF\) in the Zhambyl region of Kazakhstan](#)

Published On: August 19, 2022 | Pages: 050 - 051

Author(s): Andrey M Dmitrovskiy*, Pak Ye, Syzdykov S, Ryabushko YeA, Kamytbekova KZh and Iskakova FA

In the presented case, a typical example of CCHF is described, a patient who lives in an endemic territory and had risk

factors for infection – cattle keeping and tick bite. The patient sought medical help in a timely mannert, but his diagnosis of CCHF was made late, due to underestimation of the risk factors for CCHF infection and non-use of the standard case definit ...

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Short Communication

[Open Access](#) | [Short Communication](#) | PTZAID:AEST-6-154

[The mining of cobalt must meet the highest environmental and health standards](#)

Published On: August 30, 2022 | Pages: 052 - 053

Author(s): Michael NA Eskin*

In an effort to combat climate change there is a major rush to eliminate the use of fossil fuels. However, this must be done in an orderly process to avoid stressing an already overstressed planet. The push for electric cars and lithium batteries requires intensive mining to extract the heavy metals needed to meet increasing global demands. This is in addition to the ...

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Perspective

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[Role of Science, Technology, Executive, and Public \(STEP\) in Environmental conservation and waste management and the scenario in Politically and Militarily Conflicted Regions \(PMCRs\) of the world](#)

Published On: June 30, 2022 | Pages: 047 - 049

Author(s): Ashraf Zainabi* and Obeida Asharf

Environmental conservation and waste management is a great challenge around the world. The realization of safe water, air, sanitation, and hygiene (WASH) for the world is a distant dream. Barring few developed countries, the rest of the world, and more importantly, the third-world countries are struggling hard to achieve safe WASH. India and China are no exceptions. G ...

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