2023 | Volume Volume - 7 - Issue Issue - 2

In this issue

Research Article

Open Access Research Article PTZAID:GJE-7-173

Variation among *gari* samples of some yellow cassava (*Manihot esculenta* Crantz) varieties for change in color during storage

Published On: December 20, 2022 | Pages: 125 - 129

Author(s): Olasanmi B, Udemba IO* and Iluebbey P

Carotenoids in bio-fortified gari are degraded by light and oxidation during storage resulting in fading of their yellow color. In this study, gari from yellow-root (bio-fortified) cassava varieties (YCVs) were evaluated for color change during storage in two seasons. About 400 g of fresh gari samples of five YCVs (IITA-TMSI011368, IITA-TMSI011371, IITA-TMSI011412, II ...

Abstract View Full Article View DOI: 10.17352/gje.000073

Open Access Research Article PTZAID:GJE-7-169

Features of the use of ungulates by oxpeckers (Buphagus) in central Kenya

Published On: October 31, 2022 | Pages: 100 - 103

Author(s): Richard Peter Bishop*, Naftaly Githaka and Anne L Bishop

A detailed multi-year observational study of Red-Billed (RB) oxpecker (Buphagus erythrorhynchus) and yellow-billed (YB) oxpecker (B. Africanus) occurrence on a range of ungulate species was performed in two Kenyan national parks. Surprisingly observation of over 2100 individual Kongoni, in group sizes of 1 to > 50, revealed a total absence of oxpeckers, of either spec ...

Abstract View Full Article View DOI: 10.17352/gje.000069

Open Access Research Article PTZAID:GJE-7-168

Forest restoration and Sustainable of Soil Water Resources and High-quality sustainable management

Published On: October 29, 2022 | Pages: 096 - 099

Author(s): Zhongsheng Guo*

Along with economic development and an increase in population, there is an increasing demand for goods such as timber, food, medicine, and so on, and ecological services such as fresh water and the environment. Because goods and service produced by the original forest cannot meet the increasing need of people, so most of the original forest has become farmland, planta ...

Abstract View | Full Article View | DOI: 10.17352/gje.000068

Open Access Research Article PTZAID:GJE-7-162

Potential assessment of renewable energy resources and their power plant capacities in Iran

Published On: July 23, 2022 | Pages: 060 - 071

Author(s): Mehrzad Khazaee, Rahim Zahedi, Reza Faryadras and Abolfazl Ahmadi*

Today, most developed and developing countries utilize renewable energy to meet their needs. The use of renewable energy prevents environmental pollution. A concern of the governments is to deal with environmental pollution. Iran as a major oil-producing country has increasingly paid attention to non-fossil energy resources, in particular renewable energy sources for ...

Abstract View | Full Article View | DOI: 10.17352/gje.000062

Open Access Research Article PTZAID:GJE-7-161

Bamboo leaf as quality fodder supplement for goat production in the dry semi-deciduous forest zone of Ghana

Published On: July 22, 2022 | Pages: 052 - 059

Author(s): Daniel S Akoto*, Samuel T Partey, Michael Mensah, Simon Abugre, Sellassie Akoto and Issah Seidu

Limited access to fodder with fair nutritive characteristics especially during dry periods is a challenge to livestock farming. However, it is envisaged that evergreen bamboo with year-round litter production and high nutritive characteristics, may provide a valuable supplementary source of feed. In Ghana, bamboo use as fodder is largely unknown and efforts to promote ...

Abstract View | Full Article View | DOI: 10.17352/gje.000061

Review Article

Open Access Review Article PTZAID:GJE-7-170

A review and evaluation of multi and many-objective optimization: Methods and algorithms

Published On: November 09, 2022 | Pages: 104 - 119

Author(s): Farzane Karami* and Alireza B Dariane

Most optimization problems naturally have several objectives, usually in conflict with each other. The problems with two or three objective functions are referred to as Multi-Objective Problems (MOP). However, many real-world applications often involve four or more objectives, which are commonly recognized as many-objective optimization problems (MaOP). Multi and many ...

Abstract View Full Article View DOI: 10.17352/gje.000070

Open Access Review Article PTZAID:GJE-7-167

Comparison between different parameters for anaerobic digestion technologies

Published On: October 14, 2022 | Pages: 090 - 095

Author(s): Rabaa K AL-Farajat and Mohamed R Gomaa*

Due to the increased demand for energy and the near depletion of fossil fuel sources, in addition to the problems of global warming, the world has turned to renewable energy sources as an alternative solution. One energy source is the anaerobic digestion of organic matter, such as animal or food waste. Biogas is produced from this process, used to generate electricity ...

Abstract View Full Article View DOI: 10.17352/gje.000067

Open Access Review Article PTZAID:GJE-7-166

Knowledge Evolution: Inert sciences to living science

Published On: September 27, 2022 | Pages: 082 - 089

Author(s): Castañeda Cataña MA, Amato R, Sepulveda C, Carlucci MJ*

Modern mentality tends to minimize what is real to a physical world that is accessible to its senses, instruments, reasoning and equations, ignoring other states of reality that, clearly throughout humanity's history have been known.

Modern human believes that he is capable of dispensing all knowledge from what he has been taught in the past by starting over again, tr ...

Abstract View Full Article View DOI: 10.17352/gje.000066

Short Communication

Open Access Short Communication PTZAID:GJE-7-172

Melissopalynology: The Louveaux method on honey samples in the marche region and their allergenic potential

Published On: November 30, 2022 | Pages: 122 - 124

Author(s): Nadia Trobiani and Silvia Bartolacci*

The research arises from the interest in investigating the pollen contained in the various honey samples analyzed to identify its geographical and botanical origin and to evaluate its allergenic potential. With the Louveaux method, the pollen content shall be observed under a microscope using the same procedure as the aerobiological analysis described in national and ...

Abstract View Full Article View DOI: 10.17352/gje.000072

Open Access Short Communication PTZAID:GJE-7-163

Limnological characterization of the sources of Volga, Dnieper & Western Dvina (Daugava)

Published On: July 29, 2022 | Pages: 072 - 076

Author(s): Vyacheslav Viktorovich Kuzovlev* and Martin Schletterer

Springs are important habitats and determine the characteristics of headwater streams. However, they are rarely studied and usually not included in monitoring programs. Our study characterizes the sources of three large rivers and contributes to the knowledge about the biggest East European drainage divide. The catchment area is characterized by dense forests, which a ...

Abstract View Full Article View DOI: 10.17352/gje.000063

Open Access Short Communication PTZAID:GJE-7-157

New geographic distribution area of the specie Nototriche hartwegii A.W. Hill,

1909 (Malvaceae: Malvales) in the wetlands of Central Ecuador

Published On: July 05, 2022 | Pages: 040 - 044

Author(s): Juan Carlos Carrasco Baquero*, Daisy Carolina Carrasco López and Verónica Lucía Caballero Serrano

Nototriche hartwegii A.W. Hill, 1909 (Malvaceae: Malvales), is recorded for the first time in the province of Bolívar, in the wetlands of the Andean plateau of the Chimborazo Fauna Production Reserve (RPFCH). With this record, the endemic and limited distribution of this species to the wetlands of southern Ecuador, between 4100 and 4400 m.a.s.l., specifically in the p ...

Abstract View Full Article View DOI: 10.17352/gje.000057

Mini Review

Open Access Mini Review PTZAID:GJE-7-165

Two examples of environmental problems from Chinese state planning

Published On: September 20, 2022 | Pages: 079 - 081

Author(s): Poorna Pal*

We present two recent and environmentally potentially catastrophic but otherwise politically decisive and perhaps even praiseworthy governmental actions of the Peoples Republic of China. One is China’s world-renowned Three Gorges Dam project. This is perhaps one of the world’s largest hydroelectric dams as yet and most certainly the daring and even audacious construct ...

Abstract View Full Article View DOI: 10.17352/gje.000065

Opinion

Open Access Opinion PTZAID:GJE-7-171

Mediterranean red coral as a spawning ground for cuttlefish

Published On: November 25, 2022 | Pages: 120 - 121

Author(s): Federica Maggioni and Lorenzo Bramanti*

The Mediterranean red coral (Corallium rubrum) is a long-lived and slow-growing gorgonian, which suffered intense exploitation due to its precious calcium carbonate skeleton used in jewelry and traded worldwide [1]. ...

Abstract View Full Article View DOI: 10.17352/gje.000071

Open Access Opinion PTZAID:GJE-7-164

What should be the goal of our environmental efforts?

Published On: August 02, 2022 | Pages: 077 - 078

Author(s): Vladimir Arutyunov*

The world’s population has already reached almost 8 billion people and continues to grow rapidly. Environmental and climatic changes caused by human activity are continuously progressing; therefore, their impact on the further development of civilization has become one of the most acute and widely discussed problems. ...

Abstract View Full Article View DOI: 10.17352/gje.000064

Open Access Opinion PTZAID:GJE-7-160

Microwave energy applications management: Weed management MANMIC: Manual microwave (2.45GHz, 250W)

Published On: July 15, 2022 | Pages: 050 - 051

Author(s): Carlo Groffils*

Today herbicides are the main method of weed management in agriculture/horticulture, community green servicing and private individuals Table 1. ...

Abstract View Full Article View DOI: 10.17352/gje.000060

Open Access Opinion PTZAID:GJE-7-159

Ocean acidification: A weapon against the sea life

Published On: July 15, 2022 | Pages: 047 - 049

Author(s): Shefali Arora* and Krishna Samanta

The term ocean acidification (OA) is known as the lowering in the pH of the ocean by absorbing carbon dioxide (CO2) from the atmosphere over a continued period of time. Various factors such as land use change and the burning of fossil fuels increase the concentration of CO2 which was absorbed by the ocean at a factor of 30% which causes many chemical reactions [1]. ...

Abstract View Full Article View DOI: 10.17352/gje.000059

Open Access Opinion PTZAID:GJE-7-158

Adaptation to climate change in Africa

Published On: July 14, 2022 | Pages: 045 - 046

Author(s): Jamal Saghir*

Whether we like it or not, ours will be a century where the governance and economic agenda will be dominated by the task of adapting to climate change. With the early effects of climate change already starkly visible, and their escalations over the coming decades already locked in, adaptation is no longer a choice but an imperative. And nowhere in the world is there a ...

Abstract View Full Article View DOI: 10.17352/gje.000058