2022 | Volume Volume - 6 - Issue Issue - 1

In this issue

Research Article

Open Access Research Article PTZAID:GJE-6-152

Landscape habitat occupancy and distribution of the Wild Ground Pangolin (Smutsia temminckii) in Zimbabwe's Protected Areas (PAs)

Published On: December 20, 2021 | Pages: 105 - 111

Author(s): Innocent Mahakata*, Prudence Gonhi, Spencer Matindike, Yvonne Masumba and Christopher Hungwe

The Smutsia temminckii is the only species of pangolin known to exist in Zimbabwe and is considered vulnerable under the IUCN Red List of threatened species. Distribution of wild S. temminckii in protected areas (PAs) and associated environmental variables are not well defined in Zimbabwe. The study sort to relate key environmental variables (Altitude, rainfall, tempe ...

Abstract View Full Article View DOI: 10.17352/gje.000052

Open Access Research Article PTZAID:GJE-6-150

Towards effective monitoring of sand mining sites and post management techniques in sand dredged environment of Akwa Ibom State, Nigeria

Published On: November 02, 2021 | Pages: 092 - 099

Author(s): Abraham CM, Essien K, Umoh EU, Umoh EC, Ehiremem LE, Akpan V and William NI*

The study examined Sand Dredged Environment of Akwa Ibom State, Nigeria towards effective monitoring of sand mining mites and post-management techniques. Multi-stage random sampling was used to select nine (9) Local Government Areas and three (3) communities from the selected local Government Areas in Akwa Ibom State. Primary data were collected with structured questi ...

Abstract View Full Article View DOI: 10.17352/gje.000050

Open Access Research Article PTZAID:GJE-6-149

The substitution of agrobased society for industrial society: A perspective of transforming societies

Published On: October 11, 2021 | Pages: 085 - 091

Author(s): Hongyun Han* and Sheng Xia

Since the Industrial Revolution, a new era has arisen as the Anthropocene, in which human actions have become the main driver of global ecological crises outside the stable environmental state of the Holocene. During the Holocene, environmental change occurred naturally and Earth's regulatory capacity maintained the conditions that enabled human development. By contra ...

Abstract View | Full Article View | DOI: 10.17352/gje.000049

Open Access Research Article PTZAID:GJE-6-148

Analysis of risk level at oil production on the shelf of the Caspian Sea

Published On: October 06, 2021 | Pages: 076 - 084

Author(s): MZH Nurushev*, MD Diarov and A Nurusheva

The authors considered the rational reasons of effective measures for prevention and liquidation of catastrophic of emission of oil and gas in case of production of oil and gas in the Kazakhstani sector of the Caspian Sea. The comparative analysis with the accident on the Gulf of Mexico (USA) is carried out. Scientific substantiation of effective measures to prevent ...

Abstract View | Full Article View | DOI: 10.17352/gje.000048

Open Access Research Article PTZAID:GJE-6-146

Evaluating wetland assets in consumptive and non-consumptive dimensions and utilization potentials in Ibeno, Akwa Ibom state, Nigeria

Published On: July 23, 2021 | Pages: 065 - 072

Author(s): Comfort M Abraham, Mbuotidem S Ebong, Joseph C Udoh and Nyeti-Obong I William*

Wetlands possess abundant valuable environmental resources which hold possible opportunities for rapid and sustainable development of the eco-communities. This paper seeks to highlight multifunctional benefits derived from consumptive and non-consumptive wetland resources in Ibeno, Akwa Ibom State with a view to mitigating under-utilization and unsustainable exploitat ...

Abstract View Full Article View DOI: 10.17352/gje.000046

Open Access Research Article PTZAID:GJE-6-145

Web application: Contribute to environment conservation

Published On: July 06, 2021 | Pages: 062 - 064

Author(s): Pralhad R Gavali, Vrushabh Kupwade, Mayuri Kulkarni* and Sumit Vajarinkar

This website application will automate the major web operations. Everyone busy in their lives that they are finding convenient way to our refreshment, our comfort-zone that’s way there is need to contribute for the Environment Conservation. The software product to be produced is a website application which will automate the major web operations. So we create such webs ...

Abstract View Full Article View DOI: 10.17352/gje.000045

Open Access Research Article PTZAID:GJE-6-143

Identification of suitable location for construction of check dam in Manur water shedding area, Tirunelveli District

Published On: May 31, 2021 | Pages: 046 - 050

Author(s): Gopikumar S*, Sundararajan S, Allwyn Kingsly Gladston J, Antony Vasantha Kumar C, Hari Babu K and Jeyakumar K

In this research article author has focused on the issue of ground water and narrated that in modern civilized society the day today usage of ground water for community utility has been raised. As it is clear that due to change in weather condition the predicted monsoon has been changing its seasonal annual rainfall. Furthermore, the it is suggested that a

proper tech ...

Abstract View | Full Article View | DOI: 10.17352/gje.000043

Open Access Research Article PTZAID:GJE-6-142

Study on changes in tourism land and influence factors in mountain areas: A case study of Luanchuan country, China

Published On: May 25, 2021 | Pages: 034 - 045

Author(s): Yanna Xie, Qingxiao Zhu, Genghe Gao, Lisheng Zhang*

The rapid development of the tourism industry in mountainous areas has resulted in intense changes in land use structure and has exerted a strong influence on terrestrial ecosystems. This paper takes Luanchuan County (with typical mountainous terrain in western Henan Province, China) as an example and employs land use data from different times and areas and the binary ...

Abstract View | Full Article View | DOI: 10.17352/gje.000042

Open Access Research Article PTZAID:GJE-6-141

Performance Evaluation of Napier Grass (Penisetum Purpuruem (L.) Schumach) accessions under rain fed and Irrigation System at Wondo Genet

Published On: April 29, 2021 | Pages: 028 - 033

Author(s): Aman Getiso* and Diribi Mijena

Six Napier grass accessions (Penisetum purpuruem) that have been tested and identified for their better agronomic and yield performance at different national and regional research centers were collected and tested at Wondo genet Agricultural Research center under two sets (under irrigation and rain fed) conditions. The experiment was conducted in randomized complete b ...

Abstract View | Full Article View | DOI: 10.17352/gje.000041

Open Access Research Article PTZAID:GJE-6-140

Spatial distribution of heavy metal concentrations surrounding a cement factory and its effect on Astragalus gossypinus and wheat in Kurdistan Province, Iran

Published On: February 20, 2021 | Pages: 014 - 027

Author(s): Bahram Gholinejad*, Sardar Mehrju, Isa Bandak, Khaled Osati, Farshid Ghorbani and Asghar Farajollahi

The main objective of this study was to investigate the spatial variation of heavy metals concentrations released by a Kurdistan cement plant and determine the level of soil and plant contamination with lead, chromium and cadmium around the cement factory in Kurdistan province and adjacent rangeland areas. Soil and plant (Astragalus gossypinus and wheat) sampling was ...

Abstract View | Full Article View | DOI: 10.17352/gje.000040

Review Article

Open Access Review Article PTZAID:GJE-6-151

Climate Change Challenge 26th Conference of Parties (COP26) climate summit is crucial but may be disappointing?

Published On: November 09, 2021 | Pages: 100 - 104

Author(s): K Suresh*

Human activity is the main cause of climate change. People burn fossil fuels and convert land from forests to agriculture. Burning fossil fuels produces carbon dioxide, a greenhouse gas. Climate change due to vehicular movements, industries, and deforestation for creating newer inhabitations affects the environmental and social determinants of health. An effective pub ...

Abstract View | Full Article View | DOI: 10.17352/gje.000051

Open Access Review Article PTZAID:GJE-6-144

Contribution to the identification of morphological descriptors for the genetic diversity of argan tree (Argania spinosa L. Skeels)

Published On: June 12, 2021 | Pages: 051 - 061

Author(s): Alfred Balenor Buernor*, Ahmed Amri, Ahmed Birouk, Chafik Analy, Zakaria Kehel and Abderrahmane Aitlhaj

The argan tree (Argania spinosa L. Skeels) is a species of great ecologic, economic and social importance in Morocco. It is a multi-purpose tree supporting the livelihoods of rural communities in the south-west parts of the country with increasing interest in using its oil in cosmetics and pharmaceutical industries. The anthropological overuse combined with parasitic ...

Abstract View Full Article View DOI: 10.17352/gje.000044

Short Communication

Open Access Short Communication PTZAID:GJE-6-136

Recognition of indicative landscape objects in protected areas by means of different remote sensing data

Published On: January 12, 2021 | Pages: 001 - 002

Author(s): Igor Chervanyov* and Alina Ovcharenko

The article presents the results of the study of indicative landscape objects of protected areas through the example of the National Natural Park “Slobozhansky” in Kharkiv region, Ukraine. The authors justified the choice of various types of satellite images and optical scanning windows for getting relevant information. The authors also used the original landscape map ...

Abstract View Full Article View DOI: 10.17352/gje.000036

Mini Review

Open Access Mini Review PTZAID:GJE-6-139

Sustainable development of urban agglomeration industrial layout based on big data and deep learning

Published On: February 03, 2021 | Pages: 011 - 013

Author(s): Renzhou Gui*, Huilin Zheng, Tongjie Chen, Chuan Pang and Chengkun Liu

Urban agglomeration is a complex movement system composed of natural environment, social economy and human on the basis of city. At present, many urban agglomerations have a large development gap between cities and lack of overall coordination, and some regions and industries still have homogeneous competition and resource misallocation. This makes the regional develo ...

Abstract View Full Article View DOI: 10.17352/gje.000039

Open Access Mini Review PTZAID:GJE-6-138

Plant Ecophysiolomics to face the challenges of global change

Published On: January 20, 2021 | Pages: 008 - 010

Author(s): Enrique Ostria-Gallardo* and Luisa Bascuñán-Godoy

As consequence of global change, there has been an intensification of syndromes such as land desertification in several regions of the world. Plant functioning is threatened by this scenario. Given its importance for sustaining mostly all terrestrial life, a renewed interest has risen in studying the effects of global change over plant functioning, particularly for it ...

Abstract View Full Article View DOI: 10.17352/gje.000038

Open Access Mini Review PTZAID:GJE-6-137

Physical principles of the mossbauer effect for solving inner-nuclear phenomena in solids

Published On: January 12, 2021 | Pages: 003 - 007

Author(s): AK Shokanov, MF Vereshchak, IA Manakova, YA Smikhan* and YA Ospanbekov

In this work, using a number of examples, it is shown that one of the promising methods for studying the physicochemical state of matter is Mossbauer spectroscopy with all the variety of its methodological approaches. The processes occurring in the shell of atoms have a negligible effect on intranuclear phenomena, and often turn out to be inaccessible for

detection by ...

Abstract View | Full Article View | DOI: 10.17352/gje.000037

Opinion

Open Access Opinion PTZAID:GJE-6-147

Genetic Engineering in the Twenty-First Century: Genetically modified organisms

Published On: October 05, 2021 | Pages: 073 - 075

Author(s): Conrad B Quintyn*

In agriculture, animals and plants are engineered to produce pharmaceuticals, and crops are modified to be nutritious, tolerant of herbicides and the natural environment, and resistant to disease. While these goals may seem practical, is it wise to modify plant systems without a clear idea of the long-term effects of genetic engineering in animals and humans? [1]. ...

Abstract View | Full Article View | DOI: 10.17352/gje.000047