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**In this issue**

**Research Article**

Open Access Research Article PTZAID:GJE-5-135

## Challenges and opportunities for ecotourism development: A case study in dilla university botanical and ecotourism garden, South Ethiopia

Published On: December 17, 2020 | Pages: 154 - 163

Author(s): Israel Petros Menbere* and Firew Admassu

Dilla University Botanical and Ecotourism Garden was established in 2017 for the purpose of biodiversity conservation and ecotourism in Dilla area. This study was conducted to determine the opportunities and challenges for ecotourism development in the garden. Respondents from Odaya kebele, and key informants from government offices, Saron lodge, Dilla University, loc ...

Abstract View Full Article View DOI: 10.17352/gje.000035

Open Access Research Article PTZAID:GJE-5-134

## The Role of Climate Change in the Dynamics of the Kazakhstan Population of Saiga (Saiga Tatarica L.)

Published On: December 09, 2020 | Pages: 146 - 153

Author(s): Murat Nurushev*, Assel Nurusheva and Azim Baibagyssov

This article submits the analysis of the study of the climate change and its influence on dynamics of the number of saigas in Kazakhstan, which appeared 20 thousand years ago as a mammoth and a rhinoceros. The analysis concentrates on the study of the climate change influencing the mass murrain of antelopes (saigas) from the beginning of a new century. Since the beg ...

Abstract View Full Article View DOI: 10.17352/gje.000034

Open Access Research Article PTZAID:GJE-5-133

## The relative importance of multiple invasion mechanisms

Published On: December 02, 2020 | Pages: 139 - 145

Author(s): Yu-Fei Zhao, Shu-Qi Zhou, Zuo-Fu Wei, Bao-Shan Zhao and Li-Jia Dong*

Aim: Plant invasions are driven by suites of factors in nature. To better understand the success of invasive plants, it is crucial to quantify the relative importance of multiple invasion mechanisms during plant invasions. Location: Eastern China. Methods: We surveyed 300 pairs of uninvaded and invaded quadrats by Solidago canadensis across its entire invaded range, ...

Abstract View Full Article View DOI: 10.17352/gje.000033

Open Access Research Article PTZAID:GJE-5-132

## Public policy support for agroecology in Latin America: Lessons and perspectives

Published On: November 27, 2020 | Pages: 129 - 138

Author(s): Jean-François Le Coq, Éric Sabourin*, Muriel Bonin, Sandrine Fréguin Gresh, Jacques Marzin, Paulo Niederle, Maria Mercedes Patrouilleau and Luis Vásquez

Latin American agroecology proposes a transformation of conventional agri-food systems. It is driven by social movements that have succeeded in forming coalitions that have promoted its integration into public policies. These policies involve a range of instruments that are often embedded in programs that also support organic agriculture and sustainable agriculture. H ...

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## Corallivory and algal dynamics on some coral reefs in the Persian Gulf

Published On: November 26, 2020 | Pages: 122 - 128

Author(s): Javid Kavousi*, Parviz Tavakoli-Kolour and Sanaz Hazraty-Kari

Macroalgae are a sign of degradation of coral reefs. Distribution of macroalgae on reefs is moderated by grazers including fish and sea urchins. However, several fish species including certain parrotfishes graze on live coral tissues, at times causing profound damage. In this paper, the potential role of macroalgae in suppressing parrotfish predation on Porites corals ...

Abstract View Full Article View DOI: 10.17352/gje.000031

Open Access Research Article PTZAID:GJE-5-129

## Eumelanic coloration and age interact to influence breath rate following a boldness test in urban pigeons

Published On: November 18, 2020 | Pages: 115 - 119

Author(s): Sophie Dupont, Emmanuelle Baudry, Pauline Juette and Julien Gasparini*

The rapid urbanization of the past decades has forced numerous species to adapt to their new environments over a very restricted time scale. Previous studies suggested that individuals living in urban areas have specific characteristics as compared to those living in rural areas. In feral pigeon populations (Columba livia), individuals living in cities are more melani ...

Abstract View Full Article View DOI: 10.17352/gje.000029

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## Why Reforming foreign Aid is Critical to the Future of Africa, Africans & Their Wildlife

Published On: November 09, 2020 | Pages: 099 - 114

Author(s): Paul Andre DeGeorges*

The following is a policy document based upon 30 years being involved in Sub-Saharan African conservation, advising African Governments, the U.S. Government and the hunting/conservation communities on the major issues holding back the economic development of the region and ultimately the future of its much revered mega-fauna. Ultimately, to save Africa’s wildlife, we ...

Abstract View Full Article View DOI: 10.17352/gje.000028

Open Access Research Article PTZAID:GJE-5-124

## Impact of spatial patterns on arthropod assemblages following natural dune stabilization under extreme arid conditions

Published On: October 13, 2020 | Pages: 079 - 087

Author(s): Ittai Renan, Amnon Freidberg, Elli Groner and Pua Bar Kutiel*

Background: The cessation of anthropogenic activities in mobile sand dune ecosystems under xeric arid conditions has resulted in the gradual stabilization of dunes over the course of five decades. Our objective was to analyze the spatial

patterns of arthropod assemblages along a gradient of different stabilization levels, which represents the different stages of dun ...

Abstract View | Full Article View | DOI: 10.17352/gje.000024

Open Access Research Article PTZAID:GJE-5-123

## Impact of COIVD19 on our Ecology in India

Published On: October 07, 2020 | Pages: 062 - 078

Author(s): Suresh K*

Various environmental factors influence the outbreak and spread of epidemic or pandemics which, in turn, can damage our environment. COVID-19 has been declared as a global health emergency - a pandemic on 13 March 2020 due to spread of corona virus. It's rapid onset, spatial expansion and complex consequences made it a once-in-a-century global disaster. It is affectin ...

Abstract View | Full Article View | DOI: 10.17352/gje.000023

Open Access Research Article PTZAID:GJE-5-120

## Despite various initiatives thus far can there be sustainable development for humanity?

Published On: September 22, 2020 | Pages: 052 - 057

Author(s): Dokun Oyeshola*

There are varieties of efforts to arrest the challenges of environmental degradation and promote sustainable development at the domestic and global levels. These efforts are carried out within the context of international politics with its core values of national interest ideology, democracy and liberalism. The outcome of the efforts is still very far from the objecti ...

Abstract View | Full Article View | DOI: 10.17352/gje.000020

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## Influence of intra row spacing on weed suppression in cucumber (Cucumis sativus) production in humid rainforest agro-ecological zone of lagos, Nigeria

Published On: August 17, 2020 | Pages: 038 - 043

Author(s): Sanni KO* and Adenubi OO

The use of intra row spacing in crops production has been advocated as a technological alternative to obtain optimum yield increases, due to the better use of resources. The experiment was carried out at the Teaching and Research Farm, Lagos State Polytechnic, Ikorodu in Randomized Complete Block Design with three treatments (1m×0.9m, 1m×0.6m and 1m×0.3m) and replicat ...

Abstract View | Full Article View | DOI: 10.17352/gje.000018

Open Access Research Article PTZAID:GJE-5-117

## Impacts of Climatic Factors on Vegetation Species Diversity, Herbaceous Biomass in Borana, Southern Ethiopiaq

Published On: August 13, 2020 | Pages: 033 - 037

Author(s): Asfaw EJO*, Tessema Zewedu and Ibsa Aliyi Usmane

The study was conducted in three districts of Borana Zone, with the objective to determining the impacts of climatic factors on vegetation species diversity, herbaceous biomass yield of Borana rangelands under commonial grazing rangeland types during end of growing season. The most types rangeland of communial properties are traditional enclosure and continuous grazin ...

Abstract View | Full Article View | DOI: 10.17352/gje.000017

Open Access Research Article PTZAID:GJE-5-115

## Abundance and distribution of species in relation to soil properties in sedge-dominated habitats in Uyo Metropolis, Southern Nigeria

Published On: July 28, 2020 | Pages: 024 - 029

Author(s): Mbong EO*, Osu SR, Uboh DG and Ekpo I

A field research was conducted to assess abundance and distribution of species in relation to soil properties in Sedge-dominated Habitats in Uyo Metropolis, Southern Nigeria Systematic sampling method was used. The result of the study revealed that a total of 12 plant species of which 3 were members of the family Cyperaceae were identified in the habitats studied. The ...

Abstract View | Full Article View | DOI: 10.17352/gje.000015

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## Investigation of the fingerprint of climate changes in the Tinovul Apa Roie peat bog (central Romania) by using 210Pb dating method

Published On: July 01, 2020 | Pages: 018 - 023

Author(s): Piroska Tóth* and József Fazakas

The object of our research was to investigate the peat mass accumulation mechanism, which reflects on wet and warmer periods, which stimulate the accumulation rate of peat bog production and colder, dry periods, when the peat growth is stagnant. In warm and dry periods, the peat can stop growing. This fluctuation in peat evolution reflects clearly the changes in clima ...

Abstract View | Full Article View | DOI: 10.17352/gje.000014

Open Access Research Article PTZAID:GJE-5-113

## Demonstration of Improved Elephant/Napier grass (Pennisetum purpureum) Technologies for Animal Feed Resources in Dire Dawa and Harari Region rural areas

Published On: June 05, 2020 | Pages: 014 - 017

Author(s): Abdulaziz Teha Umer* and Ibsa Aliyi Usmane

Two Elephant grass IRLI14983 and local check varieties were demonstrated and evaluated for their biomass traits under diverse environmental conditions of Harari and Dire Dawa. The study was conducted in four kebeles Dodota and Kile from Harari and Wahil and Bishan Bahe from Dire Dawa. From each kebeles ten (10) farmers in total of forty (40) farmers participated in th ...

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

Open Access Research Article PTZAID:GJE-5-112

## Theoretical Prerequisites of Climate Change on Mass Murrain Of The Kazakhstan Population of Saiga Antelope (Saiga Tatarica L.)

Published On: June 05, 2020 | Pages: 005 - 013

Author(s): Murat Zh Nurushev* and A Nurusheva

This article submits the analysis of the study of the climate change and its influence on dynamics of the number of saigas in Kazakhstan, which appeared 20 thousand years ago as a mammoth and a rhinoceros. The analysis concentrates on the study of the climate change influencing the mass murrain of antelopes (saigas) from the beginning of a new century.

Since the begi ...

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## Development of Stages of the Implementation of the Environmental Monitoring Program

Published On: May 11, 2020 | Pages: 001 - 004

Author(s): Rahimova NA, Abdullayev VH* and Abbasova VS

The object of the research is environmental monitoring, which allows to present the current situation about the environment. The monitoring program aims to gather information for the decision-making process. ...

Abstract View | Full Article View | DOI: 10.17352/gje.000011

**Case Report**

Open Access Case Report PTZAID:GJE-5-116

## Eco-Industrial Parks: Experiences from Turkey

Published On: August 13, 2020 | Pages: 030 - 032

Author(s): Deniz Dolgen* and M Necdet Alpaslan

The development of Eco-Industrial Parks (EIPs) is an emerging concept that is being spread in Turkey as a sustainable development model. This study analyzes the improvement of EIPs in Turkey and discusses prevailing problems on transferring Organized Industrial Zones (OIZ) to EIPs. In the study, EIP projects completed by the Ministry of Science, Industry and Technolog ...

Abstract View | Full Article View | DOI: 10.17352/gje.000016

**Short Communication**

Open Access Short Communication PTZAID:GJE-5-122

## The importance of spider diversity in agroecosystems and the effect of pesticides

Published On: October 01, 2020 | Pages: 060 - 061

Author(s): Marco Antonio Benamú P*

Several studies show that spiders represent the largest biomass of predatory arthropods in different agroecosystems, which added to their habits increase their potential as the main consumer of certain pest species [1-4]. Their constant and abundant presence during all phases of the development of a crop allows them to act as effective natural enemies of phytophagous ...

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Open Access Short Communication PTZAID:GJE-5-121

## Forest as carbon land for ecological sustainability

Published On: September 30, 2020 | Pages: 058 - 059

Author(s): Abhishek Raj and MK Jhariya*

Currently 4.70 million ha of forest area lost every year during a decade of 2010-20 which is less than 7.8 million ha yr-1 in the 1990s [1]. The loss of forest areas are also reported as 98 million ha due to fires in the year 2015. Similarly, around 301 million ha (7.0 %) areas of natural regenerating forest are decreased over the past 30 years [2]. Deforestation cont ...

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**Mini Review**

Open Access Mini Review PTZAID:GJE-5-127

## Assessing the impacts of COVID-19 pandemic on the environment: A correlation or causation?

Published On: November 06, 2020 | Pages: 095 - 098

Author(s): Sikpaam Issaka Alhassan, Justice Delali Akoto, Michael Ackah, Stephen Mintah, Feiping Zhao and Haiying Wang*

The outbreak of the COVID-19 pandemic has severely impacted human lives, human activities, and the world economy. In response to curb its spread, pandemic risk reduction measures such as mass lockdowns, extensive travel bans, and mass quarantine were imposed globally. While the imposition of these measures has negatively impacted the world economy, its impacts on the ...

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Open Access Mini Review PTZAID:GJE-5-126

## N addition introduced illicit competition to plants is the reason of the negative impacts on plant species diversity

Published On: October 23, 2020 | Pages: 093 - 094

Author(s): Wenjing Li*

In a published paper in Oecologia, the authors found that mowing mitigates the negative impacts of N addition on plant species diversity. After reading the paper, their results gave me a chance to think the mechanism of nitrogen enrichment on biodiversity. The most fundamental reason of nitrogen addition decreasing biodiversity is it introduced illicit competition to ...

Abstract View | Full Article View | DOI: 10.17352/gje.000026

Open Access Mini Review PTZAID:GJE-5-125

## Tailing dumps of the tyrnyauz tungsten–molybdenum mining and processing complex: Current state and outlooks

Published On: October 23, 2020 | Pages: 088 - 092

Author(s): NS Bortnikov, AG Gurbanov and Alexander Y Dokuchaev*

The Tyrnyauz W–Mo deposit was developed by opencast and underground mines until 2003. The assets of the Tyrnyauz Tungsten–Molybdenum Mining and Processing Complex (TTMC) include two tailing dumps: Tailing 2 (housed on the left-hand side of the Baksan River valley, 2 km south of the settlement of Bylym) and Supertailing 2 (a superdump housed in the valley of the Gizhgi ...

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**Case Study**

Open Access Case Study PTZAID:GJE-5-119

## Reflections for re-in-root: Case sudies

Published On: September 16, 2020 | Pages: 044 - 051

Author(s): Munoz Grégory* and Fleury Jean

Simone Weil’s work proves to be inspiring in inducing reflection on the sources of an ecological orientation. Her work,

deployed during the years 1930-1940, initiated in a work entitled Oppression et liberté (1934), then in the embodied study of La condition ouvrière (1936), finds its culmination in L’enracinement : Préludes à une déclaration des devoirs envers l’êtr ...

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