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In this issue

Research Article

Open Access Research Article PTZAID:GJE-9-200

An investigation into the impacts of dredging on aquatic and terrestrial lives in Oto-Awori local council development area, Lagos state, Nigeria

Published On: June 21, 2024 | Pages: 084 - 093

Author(s): Oga Omoyemi Azeez*

This study investigated the impacts of dredging on aquatic and terrestrial lives in the Oto-Awori Local Council Development Area (OALCDA) of Lagos State, Nigeria. Descriptive Survey Design was adopted for the study. The target population of the study comprised all the residents of OALCDA. Two hundred respondents were sampled using a simple random technique. The instru ...

Abstract View Full Article View DOI: 10.17352/gje.000100

Open Access Research Article PTZAID:GJE-9-199

Animal-assisted education: Perception of teachers and parents on the impact of the DOG project

Published On: June 21, 2024 | Pages: 075 - 083

Author(s): Riki Verhoeven*, Rob Martens and Marie-José Enders-Slegers

Introduction: Research regarding Animal-Assisted Education (AAE) is a relatively new field. Due to the growing number of programs in the field, investigating AAE interventions is important. The aim of this study was to gain insight into teachers' and parents'/caregivers' perceptions of the impacts of a specific form of Animal-Assisted Service (AAS, formerly Animal-Ass ...

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Open Access Research Article PTZAID:GJE-9-197

Species of the Poaceae family suitable for Andean livestock farming in the Peruvian Andes reported in GBIF and local studies

Published On: April 02, 2024 | Pages: 057 - 065

Author(s): Raul Marino Yaranga Cano*, JA Orellana and SE Pizarro

Andean grassland ecosystems are covered by a mega-vascular floristic diversity constituted by families such as Poaceae, Rosaceae, Asteraceae, Plantaginaceae, Fabaceae, and Cyperaceae, among the most important ones that include suitable species for Andean Livestock feeding such as sheep, cattle, and South American camelids. However, the accelerated degradation of ecosy ...

Abstract View | Full Article View | DOI: 10.17352/gje.000097

Open Access Research Article PTZAID:GJE-9-196

Hedging policy using neural networks and its combination with heuristic algorithms case study: Dez Reservoir

Published On: March 13, 2024 | Pages: 051 - 056

Author(s): Farzane Karami*

0009-0009-8147-0509In recent years, the use of various Artificial Intelligence (AI) methods, such as evolutionary computation, heuristic algorithms, artificial neural networks, and fuzzy theory calculations, has gained popularity in addressing water resources issues. These algorithms have shown great success in solving problems that traditional deterministic methods s ...

Abstract View | Full Article View | DOI: 10.17352/gje.000096

Open Access Research Article PTZAID:GJE-9-192

Environmental viability and economic sustainability of tillage for wheat: Evidence from Croatia

Published On: February 20, 2024 | Pages: 011 - 019

Author(s): Stoši Miro, Brigita Popovi* and Ljubica Ranogajec

A multidisciplinary field experiment was performed during three seasons for winter wheat in Croatia. The intention of this study was to examine and diagnose the effect of Tillage Systems (TS) on soil chemical properties (soil acidity, phosphorus, potassium, and organic matter content) as well as the outcome of economic indicators such as Gross Margin (GM), Rate of Pro ...

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Review Article

Open Access Review Article PTZAID:GJE-9-201

A trend of "geomagnetic jerks" in the inhibition of the earth's south magnetic pole?

Published On: June 22, 2024 | Pages: 094 - 100

Author(s): AV Tertyshnikov*

The possibility of a reversal in the displacement of the Earth's South Magnetic Pole (SMP), the speed of which has decreased threefold over the past 60 years, is being discussed, which does not contradict the theory of “geomagnetic jerks.” The results of the experiment on measurements of magnetic declination on 6-9.04.2020 in the Southern Ocean are presented. Remote ...

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Open Access Review Article PTZAID:GJE-9-198

Presence of microplastics: Impacts in a marine-coastal environment of the Colombian Caribbean

Published On: April 12, 2024 | Pages: 066 - 074

Author(s): Angie Lorena Moyano-Molano*, Grace Andrea Montoya-Rojas and Linda Linney Rusinque-Quintero

Part of the contamination of aquatic and terrestrial ecosystems is influenced by mass production, consumption habits, and improper disposal of plastics. Plastic degradation and fragmentation lead to the formation of Microplastics (MPs), small particles that easily infiltrate natural systems and pose ecological risks. These MPs are transported by atmospheric and water ...

Abstract View Full Article View DOI: 10.17352/gje.000098

Open Access Review Article PTZAID:GJE-9-195

On earth system dynamics' hypothetical "greenhouse effect"

Published On: March 09, 2024 | Pages: 042 - 050

Author(s): Igor Khmelinskii and Leslie V Woodcock*

We review an editorial article in the climate journal Earth Systems Dynamics (ESD 14, 241–242, 2023): the headline title of which makes two scientifically incorrect assertions: (i) that the greenhouse-gas hypothesis, i.e., cause of global warming by ~1K in 1950-2020, is an established scientific truth, and (ii) that heat emissions from global fuel combustion are, by c ...

Abstract View Full Article View DOI: 10.17352/gje.000095

Open Access Review Article PTZAID:GJE-9-194

Assessment of ecological risk for ecosystems caused by dredged materials in freshwater environments

Published On: March 02, 2024 | Pages: 030 - 041

Author(s): Youssef Salama* and Mohammed Chennaoui

Several chemical substances are released into the environment, and many of them accumulate in the silt or sludge constituting sediments, at the bottom of rivers and lakes as well as in estuaries and seabeds. The ecological and health damage caused by the contamination of sediments by these chemical substances can have serious consequences on ecosystems by reducing the ...

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Open Access Review Article PTZAID:GJE-9-193

Evaluating mangrove conservation with the land management intervention equation based on selected cases from Indonesia

Published On: February 24, 2024 | Pages: 020 - 029

Author(s): Walter Timo de Vries*

Mangrove wetlands serve multiple ecological functions, such as carbon sequestration. Yet, at the same time, they are also suffering from poor and non-transparent restoration and preservation management, resulting in unnecessary losses. This article assesses how and where responsible land management can address this problem based on three different cases in Indonesia. ...

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Open Access Review Article PTZAID:GJE-9-191

The importance of building inventory update in urban regeneration of Turkey: A call for action and solution

Published On: January 31, 2024 | Pages: 001 - 010

Author(s): Ali Tunc*

The spatial building inventory of Turkey plays a central role in many challenges and development opportunities the country faces. Located in a seismic zone and confronting rapid population growth, Turkey continuously experiences change and development in urban infrastructure and settlement arrangements. This article comprehensively addresses the necessity of updating ...

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