2026 | Volume Volume - 11 - Issue Issue - 1

In this issue

Research Article

Open Access Research Article PTZAID:JCEES-11-193

Eco-technological Civil Engineering for Revitalizing the Jalangi River: A Sustainable Policy Perspective

Published On: April 18, 2025 | Pages: 030 - 040

Author(s): Datta SC*

The Jalangi River (JR), a branch of the Ganges River in Murshidabad and Nadia districts of West Bengal, India, flows into the Bhagirathi River and strengthens its lower channel, the Hooghly. The part of the Jalangi River in Nadia district (especially in the ISKCON Mayapur, Nadia surrounding river-based area) is considered for this study, which represents the river's l ...

Abstract View Full Article View DOI: 10.17352/2455-488X.000093

Open Access Research Article PTZAID:JCEES-11-192

Fractal Analysis of the Global Seismicity and Bouguer Gravity Field - Possible Environmental Consequences

Published On: April 18, 2025 | Pages: 026 - 029

Author(s): Rosen Iliev and Boyko Ranguelov*

In this study, an analysis of the connection between the spatial distribution of strong earthquakes (M 6.0) around the world and the Bouguer gravity anomaly gradients is made. The aim of this study is to use relatively less familiar method of the fractal analysis to reveal the relationship between the global gravity field and the regional seismicity related mainly t ...

Abstract View Full Article View DOI: 10.17352/2455-488X.000092

Review Article

Open Access Review Article PTZAID:JCEES-11-191

High-throughput Screening and Trait Dissection for Seed Quality Enhancement

Published On: April 10, 2025 | Pages: 017 - 025

Author(s): Rashmi Jha, Sk Asraful Ali*, V Manonmani, Ramanjit Kaur, Sudhir Kumar, Rajkumari Jyotika, Megha Kumari, Dileep Meena, Rohit Bapurao Borate, Sunil Kumar Prajapati, Nilutpal Saikia, Unti Miiri Ezing and Bipasa Baur

High-throughput phenotyping (HTP) has transformed seed testing, quality evaluation, storage, and stress response assessment by enabling rapid, non-destructive, and high-resolution analysis of seed traits. Traditional seed evaluation methods are labour-intensive and time-consuming, whereas HTP employs advanced imaging, sensor technologies, and machine learning algorith ...

Abstract View | Full Article View | DOI: 10.17352/2455-488X.000091

Short Communication

Open Access Short Communication PTZAID:JCEES-11-189

Unifying and Broadening Views on Disaster Risk and Disaster Risk Management

Published On: January 17, 2025 | Pages: 001 - 004

Author(s): Osvaldo Luiz Leal de Moraes*

In literature, disaster risk is usually depicted as a combination of a hazard, usually from nature, combined with vulnerability and exposure. A famous illustration of this is the fleur-de-lis, which can be found in almost all IPCC assessment reports. While such representations are easy to interpret, they fail when combined with a supposedly mathematical representation ...

Abstract View | Full Article View | DOI: 10.17352/2455-488X.000089

Literature Review

Open Access Literature Review PTZAID:JCEES-11-190

Sustainability and Efficiency Benefits of Commercial Vehicle Platooning

Published On: April 04, 2025 | Pages: 005 - 016

Author(s): Ahmad Mohamed, Scott Stone and Amr A Oloufa*

This study evaluates the impact of dedicating an existing highway lane as an Exclusive Truck Platooning Lane (ETPL).

Using real-world traffic data, the analysis highlights operational efficiency and environmental benefits before and after ETPL implementation, focusing on Florida’s Strategic Intermodal System (SIS) corridors. The study reallocates the existing ...

Abstract View | Full Article View | DOI: 10.17352/2455-488X.000090