

In this issue

Research Article

[Open Access](#) [Research Article](#) PTZAID:OJEB-10-151

Productivity of Rice-toria-greengram Cropping Sequence as Influenced by Integrated Nutrient Management Practices and Rice Establishment Techniques

Published On: August 08, 2025 | Pages: 053 - 059

Author(s): B Baro*, K Pathak, BK Medhi, K Choudhury, M Saikia and R Das

Aim: To study the effect of integrated nutrient management practices on performance and productivity of crops in rice-toria - greengram cropping sequence under different rice establishment techniques. Methodology: Two years field experiment was conducted with two different establishment techniques of rice viz., Transplanted rice (M1) and Direct seeded rice (M2) in ma ...

[Abstract View](#) | [Full Article View](#) | DOI: 10.17352/oieb.000051

[Open Access](#) [Research Article](#) PTZAID:OJEB-10-150

Experimentation on the Coastal Marine Habitat Restoration through Ecological Engineering: Creation and Test of Coastal Nurseries in the Mediterranean

Published On: June 16, 2025 | Pages: 044 - 052

Author(s): Sylvia Agostini*, Sébastien Thorin, Cédric Gervaise, Alexandre Vela, Julie Lossent and Laure-Hélène Garsi

The degradation of coastal marine habitats and biodiversity loss pose significant ecological challenges, requiring restoration efforts. In June 2024, the European regulation on nature restoration established a framework for managing and restoring these ecosystems. To address the scale of this task and limited experimental resources, the CREANURS program, led by the Un ...

[Abstract View](#) | [Full Article View](#) | DOI: 10.17352/oieb.000050

[Open Access](#) [Research Article](#) PTZAID:OJEB-10-149

An Analysis of Fertilizer Application on Surface and Groundwater Quality in Giwa Lga Kaduna

Published On: April 18, 2025 | Pages: 036 - 043

Author(s): Umoru Jafaru*

This study examines water quality parameters in surface and groundwater sources alongside fertilizer usage patterns in an agricultural region. Five (5) samples were randomly collected from rivers. The parameters analyzed include pH, temperature, turbidity, Dissolved Oxygen (DO), Biochemical Oxygen Demand (BOD), Electrical Conductivity, Total Dissolved Solids (TDS), Al ...

[Abstract View](#) | [Full Article View](#) | DOI: 10.17352/ojeb.000049

[Open Access](#) [Research Article](#) PTZAID:OJEB-10-148

Analysis of Heavy Metal Concentration of Surface Water Around Gas-flaring Stations in Selected Areas of Delta State, Nigeria

Published On: April 01, 2025 | Pages: 029 - 036

Author(s): Bardi Juliet I*, Bawo SS Docas, Oyedeji Ayodele, Bardi Stephen I, Koplamma N Bala

Gas flaring is a widespread practice in the Niger Delta region, resulting in the release of toxic gases and heavy metals particulate into the atmosphere. This research investigated the heavy metal concentration in surface water around gas flaring stations in selected areas of Delta state. Locations A, B, C representing Amukpe, Ekpan, Oton where gas flaring activities ...

[Abstract View](#) | [Full Article View](#) | DOI: 10.17352/ojeb.000048

[Open Access](#) [Research Article](#) PTZAID:OJEB-10-147

Pulverised Neem and Mango Leaves Biosorption Effect on Hematology of *Clarias gariepinus* (African Catfish) Cultured in Lead-Contaminated Aquarium

Published On: March 31, 2025 | Pages: 023 - 028

Author(s): Koplamma Nenchini Bala*, Chinwe Christy Isitua, Inya Joel Odo, Gosomji Innocent Jonah, Chioma Bertha Ehis-Eriakha and Bardi I Juliet

Lead lethal and sub-lethal impact on aquaculture affect the environment, physiology and haematological indices in fish. The research investigated the biosorption effect of pulverized neem and mango leaves on lead-contaminated aquarium cultured with *Clarias gariepinus*. A total of 180 healthy juveniles of *Clarias gariepinus* were used for the period of the

experiment. Th ...

[Abstract View](#) | [Full Article View](#) | DOI: 10.17352/ojeb.000047

Review Article

[Open Access](#) | [Review Article](#) | PTZAID:OJEB-10-146

The Seed Microbiome: Microbial Hashes for Plant Wellbeing

Published On: March 13, 2025 | Pages: 007 - 022

Author(s): Rashmi Jha*, V Manonmani, K Sundaralingam, S Vanitha, M Gnanachitra, T Kalaiselvi and Sk Asraful Ali

Seeds harbour diverse and unique microbial communities that significantly influence seed quality, germination, seedling health, and overall plant resilience. The seed microbiome is shaped by both vertical transmission (from parent plants) and horizontal transmission (from the surrounding environment), with microbial colonization highly dependent on floral pathways, mi ...

[Abstract View](#) | [Full Article View](#) | DOI: 10.17352/ojeb.000046

[Open Access](#) | [Review Article](#) | PTZAID:OJEB-10-145

Biosorption of Cadmium from Freshwater Cultured with (Nile Tilapia) using Neem Leaf Aqueous Extract (NLAE). A Review

Published On: February 18, 2025 | Pages: 001 - 006

Author(s): Koplamma Nenchini Bala*

In the quest to achieve economic prosperity and industrialization, sustainable water management, agriculture, biodiversity resources and food security have been marginalized. These have birthed serious intolerable environmental challenges such as heavy metal contamination and wastewater discharge into water bodies, particularly cadmium, lead and mercury. All these pos ...

[Abstract View](#) | [Full Article View](#) | DOI: 10.17352/ojeb.000045