

Table of Contents

Volume 32, Issue 2 — February 2025

Research Articles

1.

Innovative Approaches to Urban Green Spaces for Biodiversity Enhancement

Dr. Amina El-Amin, Prof. Hiroshi Nakamura, Dr. Priya Patel, Lars Wang

Keywords: Urban Green Spaces, Biodiversity, Ecosystem Services, Native Plants, Wildlife Corridors, Green Infrastructure

2.

Investigating Animals' Renewable Biomass Using a Tree-Fitting Model

, Wei Bianchi, Olaf Persson, Ivan Gustafsson

3.

Diversity and Ecological Impacts of Mycorrhizal Fungi in Urban Ecosystems

Li Wei, Maria Fernandez, Anwar Babajide, Sophie Dubois, Ming Schulz, Petro Li, Marco Lindberg

Keywords: Mycorrhizal Fungi; Urban Ecology; Biodiversity; Ecosystem Services; Soil Health

4.

Impacts of Invasive Plant Species on Native Flora and Ecosystem Dynamics

Aisha Okonkwo, Lars Müller, Mei-Ling Zhang, Giuseppe Svensson, Julia Bondarenko Keywords: Invasive Species; Native Flora; Biodiversity; Ecosystem Dynamics; Plant Ecology

Active Islanding Detection Technique Using Rate of Change of Negative Sequence of Voltage Injection

Sven Bondarenko, Andrea Weber

Keywords: Islanding Detection; Distributed Generation; Negative Sequence Current; Power Systems; Utility Networks

6.

Assessing the Impact of Climate Change on Alpine Plant Species Distribution

, Sofia Melnyk, Francesco Hernández

Keywords: climate change, alpine plants, species distribution, biodiversity, conservation

7.

Effect of Harvested Wood Management on Sediment Production in Natural Forests

Luca López, Erik Huang, Freya Ramírez, Chen Thompson, Erik Huang, Freya Ramírez, Chen Thompson

Keywords: Wood Harvesting; Sediment Production; Forest Management; Natural Resources; Guilan Province

8.

Investigation of Afforestation Area on the Amount of Sediment Production in Natural Forests

, Aisha Dubois, Olaf Schulz

9.

Impact of Forest Management Practices on Sediment Yield in Natural Ecosystems

Paolo Moore, Akira García, Akira García

Keywords: Forest Management; Sediment Yield; Sustainable Forestry; Guilan Province; Ecosystem Impact

Impacts of Urbanization on Native Plant Diversity in Mediterranean Ecosystems

Elena Garcia, Tariq Al-Mansouri, Hiroshi Suzuki, Ayoade Adeyemi, Petro Okonkwo, Yang Greco, Daniel Bianchi

Keywords: Urbanization, Native Plant Diversity, Mediterranean Ecosystems, Biodiversity Conservation, Habitat Fragmentation

11.

Innovative Approaches to Botanical Conservation in Tropical Ecosystems

, Andreas Schneider, Tendai Watanabe, Markus Okonkwo

12.

Treatment of ABS Manufacturing Wastewater by Means of Pervaporation Process

, Sarah Persson, Emma García

13.

Damping of Subsynchronous Oscillations UsingThyristor-Controlled Series Capacitor

Olaf Ouedraogo, Amara Greco

Keywords: Subsynchronous Oscillations; Thyristor-Controlled Series; Power Systems; Series Capacitor; Transmission

14.

The Role of Mycorrhizal Networks in Forest Ecosystem Dynamics

, Pablo Suzuki

15.

THE INTERSECTION OF PHILOSOPHY, RELIGION, AND THE CLOUDING OF ACADEMIC RESEARCH: A HERMENEUTICAL APPROACH

Elias Ifeanyi E. Uzoigwe, Amara Mary Chukwuma-Offor

Keywords: Academic Integrity; Bias in Research; Clouding of Academic Research; Philosophy; Religion