WULFENIA
JOURNAL
KLAGENFURT, AUSTRIA
ISSN:1561-882X

Table of Contents

Volume 30, Issue 5 — May 2023

Research Articles

1.

Ecological Impacts of Urbanization on Local Plant Biodiversity in Mediterranean Climates

, Markus Michel, Miguel Johnson, Kofi Yang

Keywords: Urbanization; Plant Biodiversity; Mediterranean Climates; Invasive Species; Sustainable Urban Planning

2.

Evaluating the Impact of Urban Green Spaces on Biodiversity in Istanbul

, Petro Weber

3.

Periodic Partial-Update Adaptive LMS Algorithm; a Hardware-Efficient Approach

Tendai Rudenko, Fatou Weber, Marco Tkachenko

Keywords: LMS Algorithm; Partial Update; Adaptive Filter; Hardware Implementation; Signal Processing

4.

The investigation on Elastic and Optical properties of the zinc-blende CrSb and its effective mass

Mykola Suzuki, Olivier Thompson, Olivier Thompson

Keywords: Elastic Properties; Optical Properties; Zinc-Blende; Material Science; Semiconductors

5.

Impacts of Urbanization on Plant Biodiversity in Tropical Ecosystems

Dr. Maria Rodriguez, Dr. Kwame Mensah, Dr. Li Wei, Akira Lysenko, Andreas Schneider

Keywords: Urbanization, Plant Biodiversity, Tropical Ecosystems, Conservation, Ecosystem Services

---

6.

A Review of Structural Performance of Oil Palm Empty Fruit Bunch Fiber in Polymer Composite

Thomas Davis, Marc Weber, Anna Rudenko, Ryu Johnson, Marc Weber, Anna Rudenko, Ryu Johnson

Keywords: Oil Palm, Empty Fruit Bunch, Fiber, Structural Performance, Composite Materials, Biomass

---

7.

Impact of Climate Change on Alpine Flora Diversity

, Michael Wang

8.

Impact of Urbanization on Plant Biodiversity in Coastal Wetlands

Lian Chen, Amina Patel, Carlos Mendes, Tendai Yang, James Takahashi

Keywords: Urbanization; Plant Biodiversity; Coastal Wetlands; Invasive Species; Conservation

---

9.

Impact of Environmental Light Pollution on Plant Photosynthesis Efficiency and Mitigation Strategies Using Natural Amino Acids

Aisha Al-Mansoori, Hiroshi Sato, Emilio Rodríguez, Robert Melnyk, Oluwaseun Colombo

Keywords: Light Pollution; Photosynthesis; Urban Plants; Amino Acids; Environmental Stress; Plant Resilience

---

10.

Impacts of Climate Change on Alpine Plant Biodiversity: A Case Study in the Swiss Alps

, Thomas Pérez, Sipho Dubois, Sofia Traore

Keywords: Climate Change; Alpine Biodiversity; Plant Ecology; Swiss Alps; Conservation

---

11.

Assessing the Impact of Urban Green Spaces on Local Biodiversity and Ecosystem Services

Dr. Priya Nair, Dr. Kai Zhang, Dr. Sofia Petrova, Ming Brown

Keywords: Urban Green Spaces; Biodiversity; Ecosystem Services; Urban Ecology; Environmental Planning

---

12.

Investigating Pollinator Behavior and Its Impact on Urban Plant Biodiversity

, Andriy Marchenko, Ming Colombo

Keywords: Pollinator Behavior; Urban Biodiversity; Plant-Pollinator Interactions; Ecological Modeling; Conservation

---

13.

Examining the IC impact on the Profit Efficiency in Automobile and Parts Industry of Tehran Stock Exchange

Giuseppe Marino, Kwame Meyer

Keywords: Intellectual Capital; Profit Efficiency; Automobile Industry; Electrical Industry; IC Impact

---

14.

Impact of Climate Change on Plant Phenology in Alpine Ecosystems

Elena Petrova, Hiroshi Tanaka, Lila Mwangi, Thomas Müller, Pablo Watanabe

Keywords: Climate Change, Plant Phenology, Alpine Ecosystems, Phenological Shifts, Conservation Strategies

---

15.

Assessment of air quality of Tirana, Albania by measuring ultrafine particulate matter (PM25), Al, and Pb

Alda Kika, Alma Shehu, Pranvera Lazo

Keywords: Air Quality; Tirana; Albania; Ultrafine Particles; Environmental Monitoring; Pollution

---

16.

Growth and Instability in Rice production: A District Level Analysis of Bihar and Jharkhand States of India

Nitiprasad Namdeorao Jambhulkar

Keywords: Rice Production; Growth Analysis; Instability; District Level; Agricultural Economics

---

17.

Can Alpha 1 Antitrypsin (AAT) be Considered in the Treatment of Covid-19 (SARS-CoV-2)?

muntecep askar ,Ozge Karakilic,Ayfer Meral,Mehmet Parlak, Nuruban delal azarkan,Selvi Askar

Keywords: Alpha 1 Antitrypsin; COVID-19; AAT; Treatment; Pulmonary Disease; Therapeutic