WULFENIA
JOURNAL
KLAGENFURT, AUSTRIA
ISSN:1561-882X

Table of Contents

Volume 31, Issue 1 — January 2024

Research Articles

1.

Self-assembling growth of a novel ZnO nano-coral pillar structure and study of its photocatalytic activity

Erik Lysenko, Andreas González, Andreas González

Keywords: ZnO Nanostructures; Nano-Coral; Self-Assembly; Nanomaterials; Growth Mechanism; Zinc Oxide

2.

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

Amara Johnson, Hiroshi Tanaka, Giuseppe Zhao

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

3.

Relationship between Inflation Rate and Output (Efficiency) of Investment in Tehran Stocks

Kenji Marchenko, Klaus Yamamoto, Sarah Romano, Franz Michel

Keywords: Inflation Rate; Industrial Efficiency; Output; Economic Analysis; Industrial Performance

4.

Impact of Plant Diversity on Soil Nutrient Cycling in Temperate Forest Ecosystems

Dr. Linh Tran, Prof. Amina El-Sayed, Dr. Carlos Oliveira, Miguel Rodríguez

Keywords: Plant Diversity; Soil Nutrient Cycling; Temperate Forests; Ecosystem Resilience; Biodiversity

---

5.

Examine some socio-cultural barriers affecting rural women's entrepreneurship (A Case Study, Ilam, Iran)

Erik Rossi, Thomas Liu, Francesco Huang, Thomas Svensson, Thomas Liu, Francesco Huang, Thomas Svensson

Keywords: Socio-Cultural Barriers; Rural Women; Entrepreneurship; Gender Studies; Business Development

---

6.

Adaptive Strategies for Enhancing Biodiversity in Urban Green Spaces

Anika Müller, Jamal Chen, Sofia Oliveira, Rajiv Patel, Lars González, Markus Ito, Feng Ito

Keywords: Biodiversity, Urban Ecology, Green Spaces, Ecological Management, Sustainable Cities

---

7.

Diversity and Adaptation Mechanisms of Alpine Flora in Response to Climate Change

Carmen Delgado, Hiroshi Tanaka, Andreas Yamamoto

Keywords: Alpine Flora; Climate Change; Plant Adaptation; Biodiversity; Ecosystem Conservation

---

8.

Exploring the lead (Pb) sorption potentials of biosorbents from wastewater

Mohanapriya Ganesan1, Chitdeshwari Thiyagarajan*2, Shanmugasundaram Rengaswamy3, Maheswari Muthunalliappan4, Senthil Alagarswamy5

Keywords: Lead Sorption; Biosorbents; Heavy Metals; Water Pollution; Water Treatment; Environmental Science

---

9.

The Influence of a Season on Bond Failure Rate of Metal Orthodontic Brackets: A Prospective Clinical Study

Vladimir Mitic, Ana Todorovic, Ivana Stoiljkovic

Keywords: Orthodontic Brackets; Bond Failure; Seasonal Effect; Direct Bonding; Metal Brackets; Dental Orthodontics