WULFENIA
JOURNAL
KLAGENFURT, AUSTRIA
ISSN:1561-882X

Table of Contents

Volume 29, Issue 4 — April 2022

Research Articles

1.

Assessing the Impact of Climate Change on Alpine Flora Using Remote Sensing and Machine Learning

, William Weber

Keywords: Climate change; Alpine flora; Remote sensing; Machine learning; Biodiversity conservation; Satellite imagery; Species distribution

2.

Stochastic Incidence Matrix Based DCOPF Approach for Large Scale Power System Daily Operation

José Lindberg, Roberto Svensson

Keywords: Stochastic programming; DC Optimal Power Flow; Incidence Matrix; load forecasting; power system operation; optimization; uncertainty analysis

3.

Effects of Urban Green Spaces on Biodiversity Conservation: A Case Study of Cape Town, South Africa

Aisha El-Sayed, Hiroshi Tanaka, Maria Fernandes, Victoria Brown, Luca Nilsson

Keywords: urban biodiversity; green spaces; ecological sustainability; habitat conservation; urban planning; Cape Town

4.

An Investigation of Empathic Skills of Children and Parents

Ming Marchenko, Taro Mensah, Michael Anderson, Antonio Shevchenko

Keywords: empathy; children; parents; gender differences; empathic skills; emotional sensitivity; cognitive sensitivity

---

5.

Phylogenetic Analysis and Habitat Preferences of Endemic Alpine Flora in the Himalayas

, Takashi Müller, Franz Lindberg, Michael Olsson

Keywords: phylogenetic analysis, endemic species, alpine flora, Himalayas, biodiversity, conservation, climate change

---

6.

Ecological Impacts of Urbanization on Native Plant Species

, Jean Johnson

Keywords: Urbanization; Native Plants; Biodiversity; Habitat Fragmentation; Conservation

---

7.

Field Approaches of Bacterial Biocides and Essential Oils as Integrated Control Measures against Peanut Crown Rot

Kazuki Melnyk, Pablo Persson, Petro Wang, Francesco Schneider, Pablo Persson, Petro Wang, Francesco Schneider

Keywords: Bacterial Biocides; Essential Oils; Integrated Management; Pest Control; Plant Protection

---

8.

Vitamin D as a Candidate for Mitigating Diabetes Mellitus: Current Evidence and Future Perspectives

Tendai Rodríguez, Viktor Kone, Olaf Tanaka, Michael Persson, Viktor Kone, Olaf Tanaka, Michael Persson

Keywords: Vitamin D, Diabetes Mellitus, Prevention, Endocrinology, Nutrition, Health

---

9.

Design and Simulation of Sandwich Pipes for Deepwater Applications

P. Satyanarayana Raju

Keywords: Sandwich Pipes; Deepwater; Offshore Engineering; Pipe Design; Simulation

---

10.

The Impact of Standards of Living on Dietary Adequacy of University Youth in Egypt

Ibrahim SolimangehanA, EL Shourbagy and Mohamed Saraya(3)

Keywords: Living Standards; Dietary Adequacy; University Students; Nutrition; Food Security