

Table of Contents

Volume 32, Issue 3 — March 2025

Research Articles

1.

Effects of Low-dose Gamma Irradiation and Modified Atmosphere Packaging on Shelf Life and Quality Characteristics of Saffron (*Crocus sativus* Linn)

Masashi Karlsson, Laurent Zhang, Laurent Zhang

Keywords: Gamma Irradiation, Modified Atmosphere Packaging, Food Safety, Microorganism Reduction, Food Preservation

2.

Effects of Modified Atmosphere Packaging and Storage Time on Quality and Shelf Life of Camel Meat Stored at 4 °C

Taro Moore, Fatou Sánchez, Fatou Sánchez

Keywords: Modified Atmosphere Packaging, Camel Meat, Microbial Load, Food Quality, Meat Storage

3.

Quality Changes of Air-packaged Wild Saffron (*Crocus sativus* L.) during Storage Time

Aisha Taylor, Elena Wang, Andreas Dubois, Laurent Diallo, Elena Wang, Andreas Dubois, Laurent Diallo

*Keywords: Saffron; Air Packaging; Storage; Quality Changes; *Crocus sativus*; Chemical Characteristics*

4.

Evaluating the Impact of Urban Green Spaces on Biodiversity in Metropolitan Areas

, Nana Suzuki

Keywords: Urban Green Spaces, Biodiversity, Ecosystems, Urban Planning, Geographic Information Systems, Environmental Science

5.

Assessing the Impact of Urbanization on Native Plant Species in Mediterranean Ecosystems

Dr. Maria Gonzalez, Dr. Yusuf El-Amin, Dr. Lila Chen, Klaus Kamara

Keywords: Urbanization, Native Plant Species, Mediterranean Ecosystems, Biodiversity, Conservation, Green Infrastructure

6.

Ecological Impacts of Urban Expansion on Native Plant Communities

Ana Martínez, Wei Zhang, Nkosazana Thabethe, Mykola Meyer, Christopher Dlamini

Keywords: Urban Ecology; Native Plants; Habitat Fragmentation; Biodiversity Conservation; Urban Planning

7.

Impact of Urbanization on Native Plant Species Diversity in Urban Green Spaces

, Marc Williams, Ivan Melnyk, Alberto Miller

8.

Assessing Plant Biodiversity Resilience in Urban Green Spaces: A Framework for Enhanced Ecosystem Services

Aiko Tanaka, Leila Nasser, José Pereira, Fatou Wilson, Natalia Meyer

Keywords: Biodiversity, Urban Ecology, Ecosystem Services, Plant Resilience, Urban Planning

9.

Adaptive Strategies for Sustainable Forest Management in Tropical Ecosystems

Amina Rahman, Carlos Mendes, Mei-Ling Chen, Tendai Wagner

Keywords: Sustainable Forest Management; Tropical Ecosystems; Biodiversity; Adaptive Co-management; Conservation Strategies

10.

Biodiversity Conservation in Urban Green Spaces: Strategies and Impacts

Sofia Kimura, Liam Nwosu, Elena Garcia, Jun Becker

Keywords: Biodiversity Conservation; Urban Green Spaces; Native Plant Species; Ecological Connectivity; Urban Ecology

11.

The Impact of Mangrove Restoration on Coastal Ecosystems in Southeast Asia

Dr. Aisha Rahman, Prof. Hiroshi Tanaka, Dr. Maria Gonzalez, Feng Kato

Keywords: Mangrove Restoration; Biodiversity; Carbon Sequestration; Coastal Ecosystems; Southeast Asia

12.

Immunosuppressive and Cytotoxic Properties of Ochratoxin A and Protective Role of Selenium in Rabbits

Andrea Simon, Thomas Ndlovu, Thomas Ndlovu

Keywords: Ochratoxin A, Immunosuppression, Cytotoxicity, Mycotoxin, Nephrotoxicity, Fungal Toxins