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Table of Contents

Volume 33, Issue 7 — July 2026

Research Articles

1.

Exploring Alternative RNA Processing Pathways: Insights into Splicing Mechanisms and Regulatory Roles

Eva Madsen, Hiroshi Tanaka, Fatemeh Rahimi

Keywords: RNA splicing, gene expression, splice variants, RNA-binding proteins, high-throughput sequencing, genetic regulation

2.

Evaluating Ecological Dynamics: A Study on Species Interactions in Diverse Ecosystems

Valentina Rossi, Haruto Shimada, Amina Al-Zahra

Keywords: species interactions, ecosystem dynamics, mutualism, competition, biodiversity, conservation

3.

Advancements in Nanotechnology for Targeted Cancer Therapy: A Multinational Collaborative Study

Darius Zubrus, Ayako Takahashi, Mariam Al-Farsi

Keywords: nanotechnology, targeted therapy, nanoparticles, cancer treatment, drug delivery, chemotherapeutic agents

4.

Exploring Ethnobotanical Practices: A Comparative Study in Thailand, China, and Iran

Ananda Prasert, Mingli Zhao, Leyla Karimi

Keywords: ethnobotany, medicinal plants, cultural heritage, sustainable agriculture, biodiversity conservation, indigenous knowledge

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5.

Investigating Homotopy Invariants in Higher Dimensional Topological Manifolds

Dmitry Ivanov, Layla Abdurrahman, Mei Ling Tan

Keywords: homotopy invariants, topological manifolds, algebraic topology, cohomology theories, spectral sequences, homotopy equivalence

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6.

Advanced Strategies for Reducing Urban Air Pollution: Integrating Methods from Multinational Research

Hanna Koskinen, Ryo Tanaka, Fatima El-Sayed, Diego Morales

Keywords: air pollution, emission inventories, particulate matter, biofiltration, green infrastructure, hybrid policies

---

7.

Assessing the Impact of Fiscal Policies on Inflation Dynamics in Emerging Economies

Elena Petrova, Hassan Al-Momani, Priya Mehta

Keywords: fiscal policy, inflation dynamics, emerging economies, econometric modeling, Vector Autoregression, economic stability

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8.

Investigating Neutrino Oscillation Patterns and Their Implications on Standard Model Extensions

Hans Gruber, Mei-Ling Zhang, Fatima Al-Mansouri

Keywords: neutrino oscillations, Standard Model, particle physics, mass hierarchy, mixing angles, novel interactions