

WULFENIA

International Journal of Multidisciplinary Research

ISSN: 1561-882X



Volume 33 · Issue 6

June 2026

multidisciplinarywulfenia.org

Table of Contents

Volume 33, Issue 6 — June 2026

Research Articles

1.

Innovative Curriculum Development: Enhancing Educational Outcomes in Diverse Learning Environments

Lina Sakalauskaitė, Tariq Hossain, Nafisa Rahman, Haile Abubakar

Keywords: curriculum development, educational outcomes, diverse learning environments, cultural context, mixed-methods approach, adaptability

2.

Evaluation of Novel Antiviral Therapies in Diverse Populations: A Multicenter Randomized Clinical Trial

Joonas Mägi, Fatima Youssef, Kwame Owusu

Keywords: antiviral therapies, clinical trial, randomized, placebo-controlled, viral load reduction, genetic diversity, multicenter

3.

Novel Nanocomposite Materials for Enhanced Photocatalytic Hydrogen Production Efficiency

Yasmin Al-Farsi, Hiroshi Nakamura, Isabella Muñoz

Keywords: nanocomposites, photocatalysis, hydrogen production, titanium dioxide, sol-gel method, transition metal oxides

4.

Mechanisms of DNA Repair: Insights into Cellular Pathways for Genomic Stability

Nina van der Meer, Hiroshi Tanaka, Amal El-Khoury

Keywords: DNA repair, genomic stability, homologous recombination, non-homologous end joining, CRISPR-Cas9, cell cycle regulation

5.

Traditional Medicinal Plant Use and Biodiversity Conservation in Rural Communities of West Africa

Nurgul Amanzholova, Funmilayo Adeyemi, Mbacke Diouf

Keywords: ethnobotany, medicinal plants, biodiversity conservation, indigenous knowledge, West Africa, sustainable resource management

6.

Assessing Climate Change Impacts on Arctic Biodiversity and Local Ecosystems in Northern Regions

Elina Kask, Rashidul Hasan, María Fernanda Silva

Keywords: climate change, Arctic biodiversity, ecosystem dynamics, species distribution, remote sensing, conservation strategies

7.

Innovative Synthesis of Metal-Organic Frameworks for Enhanced Catalytic Applications

Li Wei, Fatima Al-Mansoori, Gabriel Odinga

Keywords: metal-organic frameworks, catalytic applications, solvothermal synthesis, X-ray diffraction, ligand-metal interactions, sustainable chemistry

8.

Comparative Analysis of Emotional Regulation and Behavioral Adaptation Across Diverse Cultures

Amina Al-Farsi, Xu Wei, Alejandro Moreno

Keywords: emotional regulation, behavioral adaptation, cross-cultural psychology, quantitative analysis, qualitative interviews, cultural sensitivity