

Table of Contents

Volume 16, Issue 5 — May 2022

Research Articles

1.

A new simple method for the preparation of PbO nanoparticles and implementation of an efficient and reusable catalytic system for the synthesis of 1H-pyrazolo[1,2-b]phthalazine-5,10-diones

Reza Tayebee, Behrooz Maleki, Mohammad Sabeti

Keywords: PbO nanoparticles, catalytic system, 1H-pyrazolo[1,2-b]phthalazine-5,10-diones, solvent-free synthesis, nanotechnology

2.

Dean Transformational and Transactional Leadership Traits and Faculty Job Satisfaction: A Quantitative, Non-experimental, Correlational Study

Tammy Campbell

Keywords: leadership, job satisfaction, transformational leadership, transactional leadership, faculty job satisfaction, academic leadership, higher education

3.

Généralisation des fonctions de Bessel dans la Géométrie Spinorielle

Mohamed Ben Ammar

Keywords: Bessel functions, spinor geometry, Dirac operator, Clifford algebra, differential equations, distribution theory

4.

Critical Perspectives on Social Issues in the Poetry of Mohammad Taqi Shorideh

Zahra Esfandiaripor, Ahmad Khatami

Keywords: Shorideh Shirazi, critical literature, satire, Qajar era poetry, social issues, poetic analysis, Persian poets

5.

Power, Energy and Cost Models of Multi-Rotor Wind Turbine

N S Sandhu, S Chanana

Keywords: Multi-rotor wind turbines, Power models, Energy yield, Turbine cost, Wind energy