



# IOSR Journals

International Organization  
of Scientific Research

# IOSR Journal of Applied Physics

e-ISSN : 2278-4861

Volume : 10 Issue : 6 (Version - I)

Nov. - Dec. 2018

## Contents:

Rethinking Quantum Mechanics	01-08
Calibration of Cellulose Nitrate (C <sub>6</sub> H <sub>8</sub> O <sub>8</sub> N <sub>2</sub> ) Solid State Nuclear Track Detector CN-85 (LR-115, Type II) for the Measurements of Radon concentration	09-11
A study of covalency of Erbium and Neodymium ternary complexes in Alanine and Urea	12-16
Measurements of K- shell X-ray production cross-sections and fluorescence yield for <sup>31</sup> Ga element	17-20
Dielectric Measurements on undoped and urea added DSHP Single Crystals	21-25
Regarding the Total Time Derivative of the Radius	26-27
Solar Water Heater: Black Versus Transparent Hosepipe Heat Absorbers	28-34
Crop Yield Prediction Using Solar Activity	35-43
Structural properties, phase transition and electronic structure of InP and ZnS compound: Density-functional theory LDA, GGA, mbj-GGA calculations	44-50
Study of chromium in chromite rocks by XRF & Detection of radioisotopes by Gamma spectroscopy	51-56
Design and Construction of 2A, 0 - 15 V dc Variable, Regulated Power Supply	57-61
New Exact solution of the non-relativistic Schroedinger equation for Central singular potential $V(r) = \alpha r^2 + \beta r^4 + \lambda r^6$	62-64
A Review analysis on Combustion Modelling and implementation of CFD	65-70

IOSR-JAP