

# Indian Journal of Pure & Applied Physics

<http://www.niscair.res.in>; <http://nopr.niscair.res.in>  
Impact Factor: 0.923 (JCR 2020)

VOLUME 60

NUMBER 06

JUNE 2022

CODEN : IJOPAU 60(06) 469-554

ISSN : 0019-5596 (print); 0975-1041 (Online)

## CONTENTS

### Papers

- Melting of Quarkonia in strong magnetic field 475  
Manohar Lal, Siddhartha Solanki, Rishabh Sharma & Vineet Kumar Agotiya
- Development of Microwave Absorbing Material with Organic Waste based Epoxy Blended Composite 482  
Akshaya Kumar Dash & G Nath
- Parametric Study of CPT Resonance in Rubidium Vapor Cell for Application in Atomic Clock 489  
Rajniyah Kaitha, Manjula R, Pragya Tiwari, Minni J Kappen, Shubhajit Biswas, Bijoy Raha, Swarupananda Pradhan, Venkatappa Rao Tumu, Umesh S B, Elumalai S, Kalpana Arvind P, Sriram K V & Prashanth C Upadhya
- Temperature and Mass Dispersion of Free Convective Radiative Non – Newtonian Nano Fluid Flow between Two Parallel Plates 497  
R Arpitha & D Srikanth
- Photocatalytic Study of Mo/N co-doped Titanium Dioxide (TiO<sub>2</sub>) Nanoparticles Under Visible Light Irradiation 509  
Anju Rani, Suresh Kumar, R L Dhiman, Virender Singh & Suresh Kumar
- Dielectric Analysis of Single Walled Carbon Nanotubes Loaded SMC Composites Depending on Resin Type 521  
Aykut Ilgaz
- Preparation and Investigation of Transparent Conducting Aluminium-doped Zinc Oxide Films Prepared by Sol-gel Method for Sensor Application 529  
Prabhjot Singh, Sukhmander Singh, Jasmeet Kaur, Sonia Yogi & Bhavna Vidhani
- Entanglement for Qubit and Qudit in Single Photoionization of Rotationally State Selected, Oriented C<sub>3v</sub> Polyatomic Molecules 539  
M Chakraborty & S Sen