

# Indian Journal of Pure & Applied Physics

<http://www.niscpr.res.in>; <http://nopr.niscpr.res.in>;  
Impact Factor: 0.846 (JCR 2021)

---

**VOLUME 61**

**NUMBER 04**

**APRIL 2023**

CODEN : IJOPAU 61(04) 211-294

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

---

## CONTENTS

### *Papers*

- Multiphysics Experimental Approaches for Insight into the Hydrogen Bonded Structures of Ethylene Glycol and Glycerol Mixtures toward Green Solvent Technology 217  
M Saraswat & R J Sengwa
- New Modified Voltage Differencing Voltage Transconductance Amplifier (MVDVTA) based Meminductor Emulator and its Applications 239  
H Jain, B Aggarwal & S K Rai
- Radiometric Traceability for Pyranometer Calibration Based on High Flux LEDs and Reference Detector 247  
A M Karmalawi
- Raman and Structural Characterization of Spinel Compound  $Zn_{8/5}Al_{4/15}TiO_4$  254  
S K Singh
- Fabricating FeCrCoZrLa High Entropy Alloy towards Enhanced Photocatalytic Degradation of Methylene Blue Dye 258  
H Yaykaşlı
- A Historical Review of Electrode Materials and Electrolytes for Electrochemical Double Layer Supercapacitors and Pseudocapacitors 268  
P Saini