

Indian Journal of Pure & Applied Physics

<http://www.niscpr.res.in>; <http://nopr.niscpr.res.in>;
Impact Factor: 1.10 (JCR 2024)

VOLUME 63

NUMBER 11

NOVEMBER 2025

CODEN : IJOPAU 63(11) 973-1070

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

CONTENTS

Papers

- Hybrid Multiscale Contextual Framework for Enhanced Fault Detection in Photovoltaic Electroluminescence Imaging** 979
Prabhakar Sharma & Ritesh Kumar Mishra
- Objective Enhancement for Image and Video Compression Using Feature Extraction and Fast RNN-Based Motion Estimation Optimisation** 994
Madhavath Ramesh Naik & Jayendra Kumar
- Effects of Major Geomagnetic Storms on Total Electron Content near the Equatorial Ionization Anomaly (EIA) and Low Latitude Regions** 1003
Vishakha, Vishal Chauhan & Rakesh Singh
- Ultrafast All Optical N-Bit Comparator Using 2D Photonic Crystals with Hexagonal Lattice Structure** 1014
Kajal Maji & Kousik Mukherjee
- Wide Bandgap and Structural Homogeneity in Spray-Pyrolyzed CuNiFeO Spinel Ferrite Thin Films for Multifunctional Optoelectronics** 1023
S D Shakyamuni, P B Abhange, Vijay S Raykar, Anil V Raut & M A Barote
- Influence of Sunspot Numbers and Solar Radio Flux on Geomagnetic Storm Activity during Solar Cycles 24 and 25** 1032
Swapnil Garg, Omkar Prasad Tripathi & Saket Kumar
- Fractional Order Mem-Inductor and Mem-Capacitor Mutator using Single DXCCTA** 1044
Atul Kumar & Bhartendu Chaturvedi
- Physics Inspired Optimisation and Explainable AI Framework for Enhanced BHP Flooding Attack Classification in Optical Burst Switching Networks** 1052
Arun Kumar S, Sasikala S, Anusha K & Gopinath P

