CONTENTS

**Atomic and Molecular Physics**

Infrared spectra of charge transfer complexes of metal-free phthalocyanine  
Mukesh Patel, Rajiv Vaidya, Mehul Dave, S G Patel* & A T Oza  

**Electromagnetism, Optics, Acoustics, Heat Transfer, Classical Mechanics and Fluid Dynamics**

Black YAG crystal and BDN dye as passive Q-switched laser modulators  
S Sanghi, N Dodain, Meenakshi & A Agarwal  

Three-input one-output voltage-mode universal filter using FTFN and OTA  
N A Shah* & M A Malik  

Study on acoustic nature of succinimide in water + DMSO/DMF and dioxan at 303 K  
J Ishwara Bhat* & Shree Varaprasad N S  

**Physics of Gases, Plasmas and Electric Discharges**

Effect of general distribution function on electrostatic ion cyclotron instability  
Ruchi Mishra & M S Tiwari*  

**Condensed Matter : Structural, Mechanical and Thermal Properties**

Structural phase transition and elastic properties of neptunium compounds at high pressure  
Prafulla K Jha, M Aynyas & Sankar P Sanyal  

Structural properties of Fe**+** substituted yttrium iron garnet  
R P Vara, H J Shah, M P Pandya, M C Chhanbar & K B Modi*  

Microhardness of nanocrystalline aluminium phosphate  
Jose Mathew, Siby Kurien, Marykutty Thomas & K C George*  

Phase transition in Pb based tellurite ceramics  
Radheshyam Rai, M P Singh & N K Singh*  

**Condensed Matter : Electronic, Structure, Electrical, Magnetic and Optical Properties**

Thermostimulated luminescence (tsl) – thermal treatment in blue coloured calcite crystals  
V Ponnumamy, V Ramasamy* & J Hemalatha  

Excitation and emission spectra of anti-Stokes luminescence of Tm**5+** in glass ceramics doped with various concentrations of sensitizer  
R Kathuria, B P Chandra, M Ramakrishnan* & D P Bisen  

Study of solvent effect on microwave dielectric relaxation and molecular dynamics in PVP-PEG mixtures  
R J Sengwa* & Abhilasha  

---

* The corresponding author has been indicated by (*) marks in case of papers with more than one author.