

Table of Contents

Editor's Note

Luminescence of II-VI Semiconductor Nanoparticles

B.P. Chandra, V.K. Chandra and P. Jha 1

Oxide Nanomaterials and their Applications as a Memristor

S.K. Tripathi, R. Kaur and M. Rani 67

Nano Electronics: A New Era of Devices

I. Kaur, S. Yadav, S. Singh, V. Kumar, S. Arora and D. Bhatnagar 99

Progress in Plasmonic Enhanced Bulk Heterojunction Organic/Polymer Solar Cells

S.K. Tripathi, S. Sachdeva, K. Sharma and J. Kaur 117

Carbon Nanotubes as Drug Delivery Vehicles

S. Arora, V. Kumar, S. Yadav, S. Singh, D. Bhatnagar and I. Kaur 145

Potential of Nanomaterials as Movers and Packers for Drug Molecules

I.P. Kaur, M. Singh, M. Yadav, S.K. Sandhu, P.K. Deol and G. Sharma 159

Photoluminescence in a Novel Aldo-Keto Synthesized $\text{YPO}_4\text{:Eu}^{3+}$ Nanophosphor

K.A. Koparkar, N.S. Bajaj and S.K. Omanwar 179

Recent Advances in the Synthesis and Characterization of Chalcogenide Nanoparticles

P.K. Bajpai, S. Yadav, A. Tiwari and H.S. Virk 187