

## Department of Physics

### Publications of the faculty members in the year 2016

#### Dr. Aditya Saxena

1. Generation of Electricity by the Method of Triboelectrification By using Human Hand", Journal of Central University of Haryana, (2016). A Saxena, N Maharana and B Rana. ISSN: 2348-3377
2. S Dhankhar, R S Kundu, M Dult, S Murugavel, R Punia, N. Kishore, "*Electrical conductivity and modulus formulation in zinc modified bismuth boro-tellurite glasses*", Indian Journal of Physics, 2016, 90, 1033-1040
3. Kirti Nanda, R S Kundu, Inder Pal, R Punia, N. Kishore, "*Concentration dependence of intensity parameters and radiative properties of Sm<sup>3+</sup> ions doped in BaO-ZnO-B<sub>2</sub>O<sub>3</sub> glasses*", Journal of Alloys and Compound, 2016, 676, 521-526

#### Dr. Hempal Singh

1. Hempal Singh and B.D. Indu. Anharmonicity and Impurity Effects on Infrared Absorption in High Temperature Superconductors. International Journal of Physics, Vol. 4, pp.43-49, 2016.
2. Hempal Singh, Anu Singh and B.D. Indu. The Born-Mayer-Huggins Potential in High Temperature Superconductors. Modern Physics Letters B, Vol. 30, pp. 1650283.1-1650283.10, 2016
3. Anu Singh, Hempal Singh, and B. D. Indu. The Electronic Heat Capacity of  $YBaCuO_2$  Superconductor. AIP Advances, Vol. 6, pp. 075102.1075102-9, 2016.