

LIST OF PUBLICATIONS

RESEARCH ARTICLES PUBLISHED IN JOURNALS

1. "Estimation of lattice constants and band gaps of group-III nitrides using local and semi local functional", **Sandeep Arora**, Dharamvir Singh Ahlawat and Dharmbir Singh, Oriental Journal of Chemistry, vol. Vol.34 (4), 2137-2143(2018), ISSN: 2231-5039(2018), **UGC Approved Journal, Journal No. 36632, I.F: 0.5**
2. "Density functional investigation for electronic properties of zinc blende GaN and AlN", **S. K. ARORA**, D.S. AHLAWAT, D. SINGH, International Journal of Chemical and Physical Sciences, vol. 7, No. 3,43-50 (2018), ISSN:2319-6602, **UGC Approved Journal Before May 2, 2018, <https://doi.org/10.30731/ijcps.7.3>. 2018.43-50**

1. RESEARCH ARTICLE PUBLISHED IN CONFERENCE PROCEEDING

RESEARCH ARTICLES TO BE COMMUNICATED IN JOURNALS

1. Linear and Non Linear Optical Properties of Cadmium Chalcogenides
2. Lattice constants and Band gap prediction of II-VI (BeX, MgX, CdX : X=O, S, Se, Te) using local and semilocal functional .

LIST OF PAPERS PRESENTED IN CONFERENCES

1. "Density functional study for electronic properties of zinc blended GaNAlN" , Sandeep Kumar Arora, Dharamvir Singh Ahlawat, Dharmbir Singh, International Conference on Material Research and Technology(ICMRT-2017),July 10-11,2017,Aggarwal College Ballabgarh, Faridabad (Hry.)
2. "Electronic band structure and semiconducting properties of GaN in wurtzite structure", S.K. Arora, D. Singh, D.S. Ahlawat, P.K. Saini, Atul Kumar, National Conference on Emerging Trends in Physics and Materials Science(ETPMS-2015),March 9-10,2015,Deptt. of Physics, Chaudhary Devi Lal University, Sirsa (Hry.).
3. National Conference on Applied Physics and Material Science, Feb.5-6, 2015, M.D.U., Rohtak (Hry.)