

LIST OF PUBLICATIONS

International / National Journals

1. **Mahalakshmi, K**, Sankar, S & Sathyakumari, VS 2014, 'Electronic, thermal and superconducting properties of metallic CuS₂ compound with pyrite structure: An ab initio study', High Temperatures-High Pressures, vol. 44, pp. 25-31.
2. **Mahalakshmi, K**, Sankar, S, Sathyakumari, VS & Subhashree, G 2014, 'First Principles Studies of Electronic and Superconducting Properties of The Simple Cubic Phase of Alpha-Polonium', International Journal of Innovative Research in Science & Engineering, vol.2, no.1 (special issue), pp. 313-317.
3. **Mahalakshmi, K**, Sankar, S, Sathyakumari, VS, Subhashree, G & Krithiga, R 2014, 'Band gap and Debye temperature of the alloys of SbTeSe: An ab-initio study', Published in: International Conference on Science, Engineering and Management Research ICSEMR 2014, ISBN: 978-1-4799-7614-0 INSPEC Accession Number: 14935114, DOI: 10.1109/ICSEMR. 2014. 7043650, Publisher IEEE. IEEE-32331, pp. 1-4.
4. Sathyakumari, VS, Sankar, S & **Mahalakshmi, K** 2013, 'Ab initio studies of Thermal and Superconducting Properties of Intermetallic A15 Compounds: V₃Ga_{1-x}Sb_x (x=0, 0.5, 1)', Pensee Journal, vol.75, no.12, pp.208-220.
5. Sathyakumari, VS, Sankar, S & **Mahalakshmi, K** 2014, 'Ab-initio studies of thermal and superconducting properties of HfX₂ alloys (X=Tc, Re, and Os)', Materials Science-Poland, DOI: 10.2478/s13536-013-0199-0, vol. 32(3), pp.324-330.
6. Sathyakumari, VS, Sankar, S & **Mahalakshmi, K** 2014, 'Linear variation of magnetic properties of cubic V₃Ga compounds under pressure: an ab initio study', High Temperatures-High Pressures, vol. 43, pp. 361-367.



7. Sathyakumari, VS, Sankar, S, & **Mahalakshmi, K** 2014, 'Ab initio studies of thermal and superconducting properties of Ti_3M intermetallic compounds (M=Au, Pt, and Ir), High Temperatures-High Pressures, vol.44, pp. 125-136.
8. Sathyakumari, VS, Sankar, S & **Mahalakshmi, K** 2014, 'The electronic, thermal and superconducting properties of ZrX_2 alloys (X=V, Re, and Os): an ab initio study', High Temperatures-High Pressures, vol. 00, pp. 00-00. Received: May30, 2014. Accepted: August12.
9. Sathyakumari, VS, Sankar, S & **Mahalakshmi, K** 2014, ' Electronic and thermal properties of metallic CuS_2 Compound with pyrite structure: An ab-initio study', International Journal of Chem. Tech Research, vol.6, no.3, pp 1736-1738, CODEN (USA): IJCRGG ISSN:0974-4290.
10. Sathyakumari, VS, Sankar, S, **Mahalakshmi, K**, Subhashree, G & Krithiga, R 2014, 'The Electronic and Thermal Properties of ZrV_2 Compound: An ab initio Study',International Journal of Innovative Research in Science & Engineering, vol. 2, no. 1 (special issue), pp. 353-356.
11. Sathyakumari, VS, Sankar, S, **Mahalakshmi, K**, Subhashree, G & Krithiga, R 2014, 'The Electronic, Thermal and Superconducting Properties of V_3Au Intermetallic Compound: An Ab Initio Study', International Journal of Innovative Research in Science & Engineering, vol. 2, no. 1 (special issue), pp. 357-361.

