

# CURRICULUM VITAE: Dr. Hardev S. Saini

## Contact

**Name:** **Dr. Hardev S. Saini**

**Position held:** Assistant Professor  
Department of Physics,  
Guru Jambheshwar University of  
Science & Technology, Hisar-125001,  
Haryana (India)

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**Date of Birth:** January 01, 1984  
**Family :** Married, 2 children



## Educational Qualifications:

2013-2016 **Post-doctoral Fellow**  
Department of Physics, Panjab University, Chandigarh  
Working on electronic and magnetic properties of carbon based nano-materials using Density Functional Theory

2009-2013 **Ph.D.**  
Kurukshetra University, Kurukshetra, Haryana (INDIA)  
Worked on Electronic structure, electronic and magnetic properties of transition metal based Dilute Magnetic Semiconductor compounds and Heusler alloys, which are the potential candidates for the Spintronics.

2007-2009 **M. Phil. Physics**  
Periyar University, Salem

2007 **CSIR-UGC NET**  
Qualified for Lectureship

2004-2006 **M.Sc. Physics**  
Deptt. of Physics, M.D.U. Rohtak, Haryana (INDIA)  
Passed with 65% marks

2001-2004 **B.Sc. Physics**  
Kurukshetra University, Kurukshetra, Haryana (INDIA)  
Passed with 67% marks

**Brief Idea of Research Interest:** Theoretical Condensed Matter Physics/Material Science/Nanomaterials

**Current Research Interest:** Currently, we are engaged in:

1. DFT based calculations of Spintronic materials.
2. Electronics and Thermoelectric properties of Heuslor alloys and Topological insulators.
3. Electrochemical properties of electrodes materials for Li- and Na-ion batteries.

**Scientific Publications(list attached):** In reputed International Journals

Total research papers published: 51 (Fifty One)

- In reputed International Journals: 25
- In conference proceedings of International Journals: 26

**Research Papers Presented in Conferences, Seminars, Sc hools and Workshops:**  
(list attached)

Attended more than 30 national/International conferences, seminars, schools and workshops

**Abroad Visit:**

1. Research paper presented in\_21<sup>st</sup> WIEN2k workshop and International Conference on advanced materials modeling” at Nantes, France from July 01, 2014 to July 09, 2014.
2. Research paper presented in\_24<sup>th</sup> Wien2k Workshop and International Conference on advanced materials modeling” at TU, Wien, Vienna, Austria from Sept. 18-22, 2017.

**Awards and Prizes:**

1. Best Poster Award for the paper “Accurate Description of Electronic Band gaps in CdXP<sub>2</sub> (X = Si, Ge and Sn) Ternary Pnictide Semiconductors” at 55<sup>TH</sup> DAE SOLID STATE PHYSICS SYMPOSIUM 2010, Manipal Univ. Manipal, 26-30 Dec 2010.
2. Best Poster Award for the paper “Quest of magnetism in Silicene nanosheets decorated with Cu atom for spintronics” at National Conference on Emerging trends in Physics and Materials Science (ETPMS-2016) (March 19-20, 2016).

(Hardev Singh)

## List of Publications

### A. In International Journals

Sr. No.	Author's List	Year	Title of the Paper	Full Journal Name	Vol. No. Page No./ DOI No./Impact factors
25	Veenu Mehta, Hardev S. Saini, Sunita Srivastava, Manish K. Kashyap and K. Tankeshwar	2019	S-Functionalized Mo <sub>2</sub> C Monolayer as a Novel Electrode Material in Li-Ion Batteries	J. Phys. Chem. C	123, 41, 25052-25060 (I.F. 4.5)
24	Jyoti Thakur, Manish K. Kashyap, Ankur Taya, Priti Rani, Hardev S. Saini, A.H. Reshak	2017	Structure stability and magnetism in graphene impurity complexes with embedded V and Nb atoms	Journal of Magnetism and Magnetic Materials	<b>433, 109–115</b> <b>(IP: 2.63)</b>
23	Jyoti Thakur, Manish K. Kashyap, Hardev S. Saini, Ali H. Reshak	2016	Half metallicity and magnetism in graphene containing monovacancies decorated with Carbon/Nitrogen adatom	Journal of Alloys and Compounds ISSN:0925-8388	<b>Vol. 663 pp.100-106,</b> <a href="http://dx.doi.org/10.1016/j.jallcom.2015.07.241">http://dx.doi.org/10.1016/j.jallcom.2015.07.241</a> <b>(IP: 3.133)</b>
22	Jyoti Thakur, Manish K. Kashyap and Hardev S. Saini	2017	Sublattice dependent magnetic response of dual Cr doped grapheme monolayer: a full potential approach	Indian Journal Physics	Published Online on August 05, 2016 DOI 10.1007/s12648-016-0899-5 <b>(IP: 1.00)</b>
21	Hardev S. Saini, Jyoti Thakur, Mukhtiyar Singh, G.S.S. Saini and Manish K. Kashyap	2015	Half-metallic ferromagnetism in Al <sub>1-x</sub> V <sub>x</sub> P (x=0.03) DMS compound: A potential material for the Spintronic Devices	Applied Science Letter ISSN: 2394-5001	<b>Vol. 2(4), pp. 110-113,</b> <b>DOI:10.17571/appslett.2016.02026</b>
20	Jyoti Thakur, Hardev S. Saini, Mukhtiyar Singh and Manish K. Kashyap	2016	Enhancement of spin-polarization and magnetic response in fluorinated monovacant graphene	Applied Science Letter ISSN: 2394-5001	<b>Vol. 2(4), pp. 118-121, DOI:</b> 10.17571/appslett.2016.02028
19	Jyoti Thakur, Hardev S. Saini, Mukhtiyar Singh and Manish K. Kashyap	2016	Remarkable magnetic response in graphene monolayer decorated with V-atom for spintronics	Applied Science Letter ISSN: 2394-5001	<b>Vol. 2(4), pp. 133-135.</b> <b>DOI:</b> 10.17571/appslett.2016.02031
18	Jyoti Thakur, Mukhtiyar Singh, Hardev S. Saini, Ali H. Reshak and Manish K. Kashyap	2016	Quest for magnetism in graphene via Cr- and Mo- doping	Physica E ISSN:1386-9477	<b>Vol. 78, pp. 35-40</b> <a href="http://dx.doi.org/10.1016/j.physe.2015.11.037">http://dx.doi.org/10.1016/j.physe.2015.11.037</a> <b>(IP: 2.22)</b>

17	Jyoti Thakur, Satvik Vats, Mukhtiyar Singh, Hardev S. Saini and Manish K. Kashyap	2016	Vacancy mediated spin polarization and magnetism in Graphene monolayer; A Full potential approach	Applied Science Letter ISSN: 2394-5001	<b>Vol. 2(2), pp. 55-58.</b> <b>DOI:</b> <a href="https://doi.org/10.17571/appslett.2016.02011">10.17571/appslett.2016.02011</a>
16	Jyoti Thakur, Manish K. Kashyap, Hardev S. Saini and A. H. Reshak	2015	Enhancing magnetic response and metallicity in AB stacked Bilayer Graphene via Cr-doping	Journal of Alloys and Compounds ISSN:0925-8388	<b>Vol. 649, pp. 1300-1305,</b> <a href="http://dx.doi.org/10.1016/j.jallcom.2015.07.241">http://dx.doi.org/10.1016/j.jallcom.2015.07.241</a> <b>(IP: 3.133)</b>
15	Hardev S. Saini , Manoj Kumar, Manish K. Kashyap, Jyoti Thakur, Mukhtiyar Singh, , Ali H. Reshak G.S.S. Saini	2015	Generating magnetic response and half metallicity in GaP via dilute Ti-doping for spintronic applications	Journal of Alloys and Compounds ISSN: 0925-8388	<b>Vol. 649, pp. 184-189</b> <a href="http://dx.doi.org/10.1016/j.jallcom.2015.06.278">http://dx.doi.org/10.1016/j.jallcom.2015.06.278</a> <b>(IP: 3.133)</b>
14	Mukhtiyar Singh, Hardev S. Saini, Ali H. Reshak and Manish K. Kashyap	2014	Half metallicity and electronic properties tuning via Fe-doping in Cr <sub>2</sub> CoZ (Z = Al, Si) inverse heusler alloy.	Journal of Magnetism and Magnetic Material ISSN: 0304-8853	<b>Vol. 370, pp. 81-86</b> <a href="http://dx.doi.org/10.1016/j.jmmm.2014.06.050">http://dx.doi.org/10.1016/j.jmmm.2014.06.050</a> <b>(IP: 2.22)</b>
13	Mukhtiyar Singh Hardev S. Saini, Jyoti Thakur, Ali H. Reshak and Manish K. Kashyap	2013	Electronic structure, magnetism and robust half-metallicity of new quaternary Heusler alloy FeCrMnSb	Journal of Alloys and Compounds ISSN: 0925-8388	<b>Vol.580, pp.201</b> <a href="http://dx.doi.org/10.1016/j.jallcom.2013.05.111">http://dx.doi.org/10.1016/j.jallcom.2013.05.111</a> <b>(IP: 3.13)</b>
12	Hardev S. Saini, Mukhtiyar Singh, Ali H. Reshak and Manish K. Kashyap	2013	Accounting Oxygen vacancy for half-metallicity and magnetism in Fe-doped CeO <sub>2</sub> Dilute Magnetic Oxide	Computational Material. Science, ISSN: 0927-0256	<b>Vol 74, pp.114/</b> <a href="http://dx.doi.org/10.1016/j.commatci.2013.02.029">http://dx.doi.org/10.1016/j.commatci.2013.02.029</a> <b>(IP: 1.57)</b>
11	Hardev S. Saini, Mukhtiyar Singh, Ali H. Reshak and Manish K. Kashyap	2013	Variation of half-metallicity and magnetism of Cd <sub>1-x</sub> Cr <sub>x</sub> Z (Z = S, Se and Te) DMS compounds on reducing dilute limit	Journal of Magnetism and Magnetic Material, ISSN: 0304-8853	<b>Vol.331, pp. 1,</b> <a href="http://dx.doi.org/10.1016/j.jmmm.2012.10.044">http://dx.doi.org/10.1016/j.jmmm.2012.10.044</a> <b>(IP: 2.22)</b>
10	Mukhtiyar Singh, Hardev S. Saini, Ali H. Reshak and Manish K. Kashyap	2013	Transition from Ferro- to Ferri-magnetic ordering via Mn disorder in NiCoMnGa quaternary Heusler alloy	Journal of Material Science, ISSN: 0022-2461	<b>Vol. 48, pp. 1837/</b> <a href="http://dx.doi.org/10.1007/s10853-012-6949-2">http://dx.doi.org/10.1007/s10853-012-6949-2</a> <b>(IP: 2.6)</b>

9	Mukhtiyar Singh, Hardev S. Saini, Ali H. Reshak and Manish K. Kashyap	2013	Disordered dependence of half metallicity in Mn <sub>2</sub> CoSi inverse Heusler Alloy.	Journal of Solid State Chemistry, ISSN: 0022-4596	<b>Vol. 208</b> , pp.71. <a href="http://dx.doi.org/10.1016/j.jssc.2013.09.041">10.1016/j.jssc.2013.09.041</a> <b>(IP: 2.13)</b>
8	Hardev S. Saini, Mukhtiyar Singh, Ali H. Reshak and Manish K. Kashyap	2012	Emergence of half metallicity in Cr-doped GaP DMS compound within solubility limit	JALCOM, ISSN:0925-8388	<b>Vol. 536</b> , pp. 214/ <a href="http://dx.doi.org/10.1016/j.jallcom.2012.04.122">http://dx.doi.org/10.1016/j.jallcom.2012.04.122</a> <b>(IP: 3.13)</b>
7	Hardev S. Saini, Mukhtiyar Singh, Ali H. Reshak and Manish K. Kashyap	2012	Effect of cation substitution on electronic band structure of ZnGeAs <sub>2</sub> pnictides: A mBJLDA approach	Journal of Alloys and Compounds, ISSN:0925-8388	<b>Vol 518</b> , pp.74/ <a href="http://dx.doi.org/10.1016/j.jallcom.2011.12.129">http://dx.doi.org/10.1016/j.jallcom.2011.12.129</a> <b>(IP: 3.13)</b>
6	Mukhtiyar Singh, Hardev S. Saini and Manish K. Kashyap	2012	Effect of substituting <i>sp</i> -element on half metallic ferromagnetism in NiCrSi Heusler alloy	Computational Material Science, ISSN: 0927-0256	<b>Vol 53</b> , pp.431/ <a href="http://dx.doi.org/10.1016/j.commat.2011.08.037">http://dx.doi.org/10.1016/j.commat.2011.08.037</a> <b>(IP: 1.57)</b>
5	Hardev S. Saini, Mukhtiyar Singh and Manish K. Kashyap	2012	Modified Becke-Johnson approach for governing half metallic ferromagnetism in Cr-doped GaP DMS compound	Advanced Material Research, ISSN: 1662-8985	<b>Vol. 585</b> , pp. 265/ <a href="http://dx.doi.org/10.4028/www.scientific.net/AMR.585.265">http://dx.doi.org/10.4028/www.scientific.net/AMR.585.265</a>
4	Mukhtiyar Singh, Hardev S. Saini and Manish K. Kashyap	2012	Mn-Disorder Effect on Magnetism and Half Metallicity of NiCoMnGa Quaternary Heusler Alloy	Advanced Material Research, ISSN: 1662-8985	<b>Vol. 585</b> pp. 270 <a href="http://dx.doi.org/10.4028/www.scientific.net/AMR.585.270">http://dx.doi.org/10.4028/www.scientific.net/AMR.585.270</a>
3	Hardev Singh, Mukhtiyar Singh, Sarvesh Kumar and Manish K. Kashyap	2011	Full potential calculation of electronic properties of rutile RO <sub>2</sub> (R = Si, Ge, Sn and Pb) compounds via modified Becke Johnson potential	Physica B, ISSN: 0921-4526	<b>Vol. 406</b> , pp. 3825/ <a href="http://dx.doi.org/10.1016/j.physb.2011.07.004">http://dx.doi.org/10.1016/j.physb.2011.07.004</a> <b>(IP: 1.38)</b>
2	Hardev S. Saini, Mukhtiyar Singh and Manish K. Kashyap	2011	Search of half metallicity in VX (X = As, Sb and Bi) compounds for spintronic applications	Asian Journal of Chemistry, ISSN: 0970-7077	<b>Vol. 23</b> pp.5598/
1	Mukhtiyar Singh, Hardev S. Saini and Manish K. Kashyap	2011	Effect of atom interchange on half metallicity of AuMnSn Heusler	Asian Journal of Chemistry, ISSN: 0970-7077	<b>Vol. 23</b> pp.5611

**(B) In Conference Proceedings of International Journals**

Sr. No.	Author's List	Year	Title of the Paper	Full Journal Name	Vol. No. Page No./ DOI No.
26	Veenu Mehta, K. Tankeshwar, and Hardev S. Saini	2019	Prediction of Mo <sub>2</sub> CF <sub>2</sub> monolayer as a novel anode material for Li-ion batteries: A first principle study	AIP Conference Proceedings	2115, 030576/ <a href="https://doi.org/10.1063/1.5113415">https://doi.org/10.1063/1.5113415</a>
25	Poonam, Hardev S. Saini, Jyoti Thakur, A. K. Pundir, Mukhtiyar Singh, and Manish K. Kashyap	2019	Structural, electronic and magnetic properties of Ti-doped MgSe diluted magnetic semiconductor compound	AIP Conference Proceedings	2093, 020001 <a href="https://doi.org/10.1063/1.5097070">https://doi.org/10.1063/1.5097070</a>
24	Nisha, Hardev S. Saini, Manish K. Kashyap, Jyoti Thakur, and Mukhtiyar Singh	2019	First-principles study on electronic, mechanical and thermoelectric transport properties of topological insulator NaAuS	AIP Conference Proceedings	2093, 020016 <a href="https://doi.org/10.1063/1.5097085">https://doi.org/10.1063/1.5097085</a>
23	Poonam, A. K. Pundir, Mukhtiyar Singh, Jyoti Thakur, Manish K. Kashyap, and Hardev S. Saini	2019	First-principles investigation of half metallic ferromagnetism in Ti-doped MgTe binary alloy via modified Becke-Johnson potential	AIP Conference Proceedings	2115, 030485 (2019); <a href="https://doi.org/10.1063/1.5113324">https://doi.org/10.1063/1.5113324</a>
22	Nisha, Kulwinder Kaur, Jyoti Thakur, Manish K. Kashyap, and Hardev S. Saini	2019	Electronic and thermoelectric transport properties of topological insulator LiAuS	AIP Conference Proceedings	2115/ 030426 <a href="https://doi.org/10.1063/1.5113265">https://doi.org/10.1063/1.5113265</a>
21	Bhuvan Agrawal, Anushka Nagpal, Ramesh Kumar, Hardev S. Saini, Manish K. Kashyap, and Mukhtiyar Singh	2019	Study of FeCrSn <sub>1-x</sub> Gax Heusler alloys: Tuning Fermi level to attain half-metallic ferromagnetism	AIP Conference Proceedings	2093, 020019/ <a href="https://doi.org/10.1063/1.5097088">https://doi.org/10.1063/1.5097088</a>
20	Anushka Nagpal, Bhuvan Agrawal, Ramesh Kumar, Hardev S. Saini, Manish K. Kashyap, and Mukhtiyar Singh	2019	Effect of disorders on half-metallic ferromagnetism in Cr <sub>2</sub> CoAl inverse Heusler alloy	AIP Conference Proceedings	<b>2093</b> , 020023/ <a href="https://doi.org/10.1063/1.5097092">https://doi.org/10.1063/1.5097092</a>
19	Jyoti Thakur, Priti Rani, Monika Tomar, Vinay Gupta, Hardev S. Saini, and Manish K. Kashyap	2019	Tailoring in-plane magnetocrystalline anisotropy of Fe <sub>5</sub> SiB <sub>2</sub> with Cr-substitution	AIP Conference Proceedings	2115, 030506/ <a href="https://doi.org/10.1063/1.5113345">https://doi.org/10.1063/1.5113345</a>

18	Hardev S. Saini, Poonam, A. K. Pundir, Mukhtiyar Singh, Jyoti Thakur and Manish K. Kashyap	2019	Prediction of Half Metallicity in Ti-Doped BeSe: A Spintronics Material	AIP Conference Proceedings	2115/030498/ <a href="https://doi.org/10.1063/1.5113337">https://doi.org/10.1063/1.5113337</a>
17	Veenu Mehta, K. Tankeshwar, and Hardev S. Saini	2018	Li-adsorption on doped Mo <sub>2</sub> C monolayer: A novel electrode material for Li-ion batteries	AIP Conference Proceedings ISSN: 1551-7616	<b>Vol: 1942</b> , pp. 140047 doi: 10.1063/1.5029178
16	Veenu Mehta, K. Tankeshwar, and Hardev S. Saini	2018	Ab-initio study of electronic and magnetic properties of Co-doped Mo <sub>2</sub> C monolayer	AIP Conference Proceedings, ISSN: 1551-7616	<b>Vol: 1953</b> , pp. 030109; doi: 10.1063/1.5032444
15	Hardev S. Saini, A. K. Pundir, Veena Mehta, Nisha, Poonam Mehra, and Manish K. Kashyap	2018	Investigation of half-metallic ferromagnetism in Ti-doped BeS DMS compound: A promising spintronic material	AIP Conference Proceedings, ISSN: 1551-7616	<b>Vol: 2006</b> , pp. 030019; doi: 10.1063/1.5051275
14	Mukhtiyar Singh, Manish K. Kashyap and Hardev S. Saini	2018	Corroborating the Spin Gapless Character of Ti <sub>2</sub> MnAl Inverse Heusler Alloy: A study of Strains Effect	Materials Today: Proceedings:	<b>Vol: 5 pp. 15421–15425</b>
13	Hardev Singh, A. K. Pundir, Jyoti Thakur, Mukhtiyar Singh and Manish K. Kashyap	2017	Half-Metallic Ferromagnetism In V-Doped AIP: An Imperative Compound For Spintronics	AIP Conference Proceedings, ISSN: 1551-7616	<b>Vol. 1832, pp. 130017</b> doi: 10.1063/1.4980737
12	Hardev Singh, Mukhtiyar Singh, Jyoti Thakur, G.S.S. Saini and Manish K. Kashyap	2016	A First Principles Study Of Half-Metallic Ferromagnetism In In <sub>1-x</sub> Ti <sub>x</sub> P (x = 0.06) Diluted Magnetic Semiconductor	AIP Conference Proceedings, ISSN: 1551-7616	<b>Vol. 1731, pp. 130007</b> <a href="http://dx.doi.org/10.1063/1.4948113">http://dx.doi.org/10.1063/1.4948113</a>
11	Hardev S. Saini Mukhtiyar Singh, G.S.S. Saini and Manish K. Kashyap	2015	Effect of Oxygen vacancy on half metallicity in Ni-doped CeO <sub>2</sub> Diluted Magnetic Semiconductor	AIP Conference Proceedings, ISSN: 1551-7616	<b>Vol. 1661, pp. 070011</b> <a href="http://dx.doi.org/10.1063/1.4915389">http://dx.doi.org/10.1063/1.4915389</a>
10	Jyoti Thakur, Hardev S. Saini Mukhtiyar Singh and Manish K. Kashyap	2015	Electronic and magnetic properties of Mo-doped graphene; full potential approach	AIP Conference Proceedings, ISSN: 1551-7616	<b>Vol. 1661, pp. 080029</b> <a href="http://dx.doi.org/10.1063/1.4915420">http://dx.doi.org/10.1063/1.4915420</a>
9	Hardev S. Saini Mukhtiyar Singh, Jyoti Thakur and Manish K. Kashyap	2014	Half-Metallic ferromagnetism in Cr-doped semiconducting Ge-Chalcogenide: Density Functional Approach	AIP Conference Proceedings, ISSN: 1551-7616	<b>Vol. 1591, pp. 1660</b> <a href="http://dx.doi.org/10.1063/1.4873068">http://dx.doi.org/10.1063/1.4873068</a>

8	Mukhtiyar Singh, Hardev S. Saini, Jyoti Thakur, and Manish K. Kashyap	2014	Enhancement of spin polarization via Fermi level tuning in $\text{Co}_2\text{MnSn}_{1-x}\text{Sb}_x$ ( $x = 0, 0.25, 0.5, 0.75, 1$ ) Heusler alloys	AIP Conference Proceedings, ISSN: 1551-7616	<b>Vol. 1591</b> , pp. 1606 <a href="http://dx.doi.org/10.1063/1.4873050">http://dx.doi.org/10.1063/1.4873050</a>
7	Mukhtiyar Singh, Hardev S. Saini and Manish K. Kashyap	2013	Stability of high spin polarization via substituting sp element in $\text{Co}_2\text{MnSn}_{1-x}\text{Gax}$ Heusler alloys	AIP Conference Proceedings, ISSN: 1551-7616	<b>Vol. 1512</b> , pp. 1140 <a href="http://dx.doi.org/10.1063/1.4791450">http://dx.doi.org/10.1063/1.4791450</a>
6	Hardev S. Saini, Mukhtiyar Singh, and Manish K. Kashyap	2012	Tuning magnetism in semiconducting Cadmium Chalcogenides via Cr-doping	AIP Conference Proceedings, ISSN: 1551-7616	<b>Vol. 1447</b> , pp. 1175 <a href="http://dx.doi.org/10.1063/1.4710428">http://dx.doi.org/10.1063/1.4710428</a>
5	Mukhtiyar Singh, Hardev S. Saini and Manish K. Kashyap	2012	Effect of Atomic Disorder on Half-Metallic Ferromagnetism in $\text{Fe}_{3-x}\text{Cr}_x\text{Si}$ ( $x = 0, 0.25, 0.75, 1$ ) Heusler alloys	AIP Conference Proceedings, ISSN: 1551-7616	<b>Vol. 1447</b> , pp. 1111 <a href="http://dx.doi.org/10.1063/1.4710396">http://dx.doi.org/10.1063/1.4710396</a>
4	Hardev S. Saini, Mukhtiyar Singh, and Manish K. Kashyap	2011	Accurate Description of Electronic Band gaps in $\text{CdXP}_2$ ( $X = \text{Si, Ge and Sn}$ ) Ternary Pnictide Semiconductors	AIP Conference Proceedings, ISSN: 1551-7616	<b>Vol. 1349</b> , pp. 069 <a href="http://dx.doi.org/10.1063/1.3606231">http://dx.doi.org/10.1063/1.3606231</a>
3	Hardev S. Saini, Mukhtiyar Singh, and Manish K. Kashyap	2011	ab-initio study of electronic band structures of $\text{CdBA}_2$ ( $B = \text{Si, Ge and}$	AIP Conference Proceedings, ISSN: 1551-7616	<b>Vol. 1393</b> , pp. 169, <a href="http://dx.doi.org/10.1063/1.3653663">http://dx.doi.org/10.1063/1.3653663</a>
2	Mukhtiyar Singh, Hardev S. Saini and Manish K. Kashyap	2011	High Spin Polarization and Magnetization in $\text{NiCrS}$ Heusler alloy	AIP Conference Proceedings, ISSN: 1551-7616	<b>Vol. 1349</b> , pp. 1153 <a href="http://dx.doi.org/10.1063/1.3606272">http://dx.doi.org/10.1063/1.3606272</a>
1	Mukhtiyar Singh, Hardev S. Saini and Manish K. Kashyap	2011	First principle prediction of half metallic ferromagnetism in Heusler $\text{NiMnZ}$ ( $Z = \text{P, Ge}$ ) compounds	AIP Conference Proceedings, ISSN: 1551-7616	<b>Vol. 1393</b> , pp. 165 <a href="http://dx.doi.org/10.1063/1.3653661">http://dx.doi.org/10.1063/1.3653661</a>



