

List of publications

1. **The effect of Al replacement and heat treatment on magnetocaloric properties of Ni₂Mn-Sn ferromagnetic shape memory alloys**
Sandeep Agarwal and P. K. Mukhopadhyay,
J. Alloys Compd., **608**, 329(2014)
2. **Crossover of spin glass characteristics as a function of field in an NiMnSnAl alloy**
Sandeep Agarwal, S. Banerjee and P. K. Mukhopadhyay,
J. Appl. Phys., **114**, 133904 (2013)
3. **Role of replacement of Sb with Al in the phase transformation of Ni-Mn-Sb alloys**
Sandeep Agarwal, and P. K. Mukhopadhyay,
AIP Conference Proceedings, **1536**, 977 (2013).
4. **Effect of low temperature annealing on magneto-caloric effect and spin glass behavior of Ni-Mn-Sn-Al ferromagnetic shape memory alloy**
Sandeep Agarwal and P. K. Mukhopadhyay,
Submitted for Publication.
5. **Effect of Sn and Sb element on the magnetism and functional properties of NiMnAl ferromagnetic shape memory alloys**
Sandeep Agarwal and P. K. Mukhopadhyay,
Under preparation.
6. **Large conventional magnetocaloric effect in the vicinity of martensitic transformation in NiMnSbAl systems**
Sandeep Agarwal and P. K. Mukhopadhyay,
Under preparation.
7. **†Frequency dependent susceptibility study for a ferromagnetic shape memory alloy**
P. K. Mukhopadhyay, B. Rajini Kanth, and Sandeep Agarwal,
Bulletin of the American Physical Society, 55 (2010).
8. **†Magnetic properties and magnetocaloric effect in Pt doped Ni-Mn-Ga**
Sanjay Singh, S. W. D'Souza¹, K. Mukherjee, P. Kushwaha, S. R. Barman, Sandeep Agarwal, P. K. Mukhopadhyay, Aparna Chakrabarti and E. V. Sampathkumaran
Appl. Phys. Lett., **104**, 231909 (2014).

[†] Not used in present thesis