LIST OF PUBLICATIONS

I. Publications in refereed journals:

1. "Ferromagnetic resonance study of magnetic order-disorder phase transition in amorphous $F_{90-x}Co_xZr_{10}$ alloys"
   S.N. Kaul and P.D. Babu

2. "Thermal demagnetization due to spin-wave and Stoner single-particle excitations in amorphous $Co_{90}Zr_{10}$ alloy"
   S.N. Kaul and P.D. Babu

3. "Electrical resistivity of $Fe-Zr$ glasses from 4.2 to 1000 K"
   L. Fernandez Barquin, J.C. Gomez Sal, P.D. Babu and S.N. Kaul

4. "Detailed magnetization study of quenched random ferromagnets I. Low-lying magnetic excitations"
   S.N. Kaul and P.D. Babu

5. "Detailed magnetization study of quenched random ferromagnets II. Site-dilution and percolation exponents"
   S.N. Kaul and P.D. Babu

6. "Spin fluctuation effects in, and Quantum corrections to, the conductivity of $F_{90+4x}Zr_{10-x}$ ($x = 0, 1$) metallic glasses"
   P.D. Babu and S.N. Kaul, L. Fernandez Barquin and J.C. Gomez Sal

7. "Nonlinear scaling behaviour of magnetization in amorphous ferromagnets"
   P.D. Babu and S.N. Kaul

8. "Comment on Scaling analysis of amorphous $Fe_{90-x}Mn_3Zr_{10}$ alloys near the paramagnetic-to-ferromagnetic transition"
   P.D. Babu and S.N. Kaul
II. Papers presented at National/International Conferences/Symposia:

1. "Different scattering contributions to the electrical resistivity in amorphous Fe_{90}Zr_{10} alloy"
   
   Ch.V. Mohan, P.D. Babu, M. Sambasiva Rao, T. Lucinski and S.N. Kaul
   

2. "Ferromagnetic Resonance as a powerful tool to study critical phenomena in ferromagnets"
   
   P.D. Babu and S.N. Kaul
   
   Presented at Int. Conf. on Disordered Materials held at Devi Ahilya Univ., Indore, during Feb 2-6 (1991).

3. "Electrical resistivity behaviour near the Curie point in an amorphous invar alloy"
   
   Ch.V. Mohan, P.D. Babu, M. Sambasiva Rao, T. Lucinski and S.N. Kaul
   
   Presented at Int. Conf. on Disordered Materials held at Devi Ahilya Univ., Indore, during Feb 2-6 (1991).
   Proc. of Inter. Conf. INDIAS-91 (Indias publ.. Allahabad) p.158.

4. "Low-Energy magnetic excitations in amorphous Fe\textsubscript{x}Ni\textsubscript{80-x}P\textsubscript{14}B\textsubscript{8} alloys"
   
   P.D. Babu and S.N. Kaul
   

5. "Weak itinerant ferromagnetism in amorphous Co_{90}Zr_{10} alloy"
   
   P.D. Babu and S.N. Kaul
   

6. "Scaling behaviour of magnetization in the critical region of a - Fe_{90-x}Co\textsubscript{x}Zr\textsubscript{8} alloys"
   
   V. Siruguri, P.D. Babu and S.N. Kaul
   
   Presented at Indo-US workshop on Ordering Disorder Prospect and Retrospect in Condensed Matter Physics held at Univ. of Hyderabad, Hyderabad during Dec 29 1992 to Jan 5 1993.

7. "Weak Localization and Spin-Fluctuation effects in the resistivity of Fe-Rich Fe\textsubscript{-}ZT and Fe-Co-Zr metallic glasses"
   
   P.D. Babu and S.N. Kaul

8. "Asymptotic Critical Behaviour of Glassy $Fe_{91}Zr_9$, $Fe_{90}Zr_{10}$ and $Fe_{80}Co_1Zr_{10}$ alloys"

P.D. Babu and S.N. Kaul

9. "Spin fluctuation effects in, and Quantum corrections to, the conductivity of $Fe_{90+x}Zr_{10-x}$ ($x = 0, 1$) metallic glasses"

P.D. Babu and S.N. Kaul, L. Fernandez Barquin and J.C. Gomez Sal
Presented at Int. Conf. on Magnetism (ICM) held at Warsaw, Poland, from August 22-26, 1994.

10. "Nonlinear scaling behaviour of magnetization in amorphous ferromagnets"

P.D. Babu and S.N. Kaul
Presented at Int. Conf. on Magnetism (ICM) held at Warsaw, Poland, from August 22-26, 1994.

11. "Magnetic Phase diagrams for amorphous $(Fe_pNi_{1-p})_{80}P_{14}B_{20}$ and $(Fe_pNi_{1-p})_{80}(B, Si)_{20}$ alloys"

P.D. Babu, M. Sambasiva Rao and S.N. Kaul

12. "Percolation Critical exponents for quenched random site-diluted three-dimensional Heisenberg ferromagnets"

P.D. Babu and S.N. Kaul