List of Publications/Preprints

1. Antisite Domains in Double Perovskite Ferromagnets: Impact on Magnetotransport and Half-metallicity
   Viveka Nand Singh and Pinaki Majumdar

2. Antiferromagnetic Order and Phase Coexistence in a Model of Antisite Disordered Double Perovskites
   Viveka Nand Singh and Pinaki Majumdar

3. Huge Positive Magnetoresistance in Antiferromagnetic Double Perovskite Metals
   Viveka Nand Singh and Pinaki Majumdar

4. The Magnon Spectrum in the Domain Ferromagnetic State of Antisite Disordered Double Perovskites
   Subrat Kumar Das, Viveka Nand Singh, and Pinaki Majumdar

5. Thermally Fluctuating Inhomogeneous Superfluid State of Strongly Interacting Fermions in an Optical Lattice
   Viveka Nand Singh, Sanjoy Datta, and Pinaki Majumdar

The material in papers 1-4 above is discussed in the thesis.