

List of publications:

1. S. Arumugam, K. Mydeen, **N. Manivannan**, N. Mori, M. Ohashi, N. Takeshita, T. Noda, H. Eisaki and S. Uchida, Hydrostatic and uniaxial Pressure Effect on $\text{La}_{1.45}\text{Sr}_{0.15}\text{Nd}_{0.4}\text{CuO}_4$ Single Crystal, *Physica C (Superconductivity)*, **378**, 164 (2002).
2. S. Arumugam, K. Mydeen, M. Fontes, **N. Manivannan**, M. Kumaresa Vanji, R. Scheilla, Elisa Baggio Saitovitch, D. Prabhakaran and A. T. Boothroyd, Effect of pressure and magnetic field on bilayer $\text{La}_{1.25}\text{Sr}_{1.75}\text{Mn}_2\text{O}_7$ single crystal, *Solid State Commun.*, **136**, 292 (2005).
3. S. Arumugam, K. Mydeen, **N. Manivannan**, M. Kumaresa Vanji, D. Prabhakaran, A. T. Boothroyd and P. Mandal, Effect of uniaxial pressure on charge transport on $\text{La}_{1.25}\text{Sr}_{1.75}\text{Mn}_2\text{O}_7$ layered manganite, *Phys. Rev. B*, **73**, 212412 (2006).
4. K. Gireesan, C. Parasakthi, **N. Manivannan**, et. al, An axial gradiometer based SQUID system for Biomagnetism, 50th DAE Solid State Physics symposium (2005).
5. S. Arumugam, **N. Manivanan**, and A. Murugeswari, Simple uniaxial pressure device for ac-susceptibility measurements suitable for closed cycle refrigerator system, *Review of Scientific Instruments*, **78**, 1 (2007).
6. **N. Manivannan**, S. Arumugam, K. Gireesan, M. P. Janawadhkar and S. Kasthuriangan, Development of SQUID vibrating-coil magnetometer for measuring the dc magnetization of extremely small samples. (To be communicated to *Review of Scientific Instruments* (2007)).