

LIST OF PUBLICATIONS

1. Collective Excitations and their Lineshapes for a Compositional Superlattices of Type-II, A. C. Sharma, R. Sen and P. Tripathi J. Phys.: Cond. Matter **9**, 38, 8041-8054 (1997).
2. Plasmons and their Damping in a Doped Semiconductor Superlattice, P. Tripathi and A. C. Sharma, Pramana J. Phys. **52**, 101 (1998).
3. Magneto-plasma and their Lineshapes for a Compositional and Doping Superlattices of Type-II, A. C. Sharma, P. Tripathi, R. Sen and N. Jain, accepted, Indian journal of Pure & Applied Physics, (1999), in Press. (Not included in thesis)
4. Plasmons in Strained Semiconductor Superlattices, P. Tripathi and A. C. sharma, Proc. of the Solid State Physics Symp. India. **37C**, 137 (1994). (Not included in thesis)
5. Transverse Plasmons in Layered Electron Gas. A. C. Sharma, S.P. Apell and P. Tripathi, Proc. of the Solid State Physics Symp. India, **38C**, 408 (1995). (Not included in thesis)
6. Damping of Plasmons in a Doped Semiconductor Superlattices, P. Tripathi and A.C. Sharma, Proc. of the Solid State Physics Symp. India, **40C** 166 (1997).
7. Electron-Electron Scattering in Semiconductor Superlattices, P. Tripathi and A. C. Sharma, Proc. of the Solid State Physics Symp. India, **41**, 276 (1998).