List of Publications

A. From the research work of thesis

1. “Localized coherent nonlinear wave structures in dusty plasma with non-thermal ions”.
   Tarsem Singh Gill, Chanchal Bedi, Nareshpal Singh Saini, and Harvinder Kaur, 

2. “Effect of nonthermal distribution of electrons in a four component dusty plasma”.
   Nareshpal Singh Saini, Chanchal Bedi, and Tarsem Singh Gill, *AIP Proceedings* 

3. “Two-dimensional envelope electron-acoustic waves under transverse perturbations”.

4. “Envelope excitations of ion acoustic solitary waves in a plasma with superthermal electrons and positrons”.
   Tarsem Singh Gill, Chanchal Bedi, and Amandeep Singh Bains, *Physica Scripta* 
   **81**: 055503(1-6) (2010).

5. “Four component magnetized dusty plasma containing non-thermal electrons”.
6. “Higher order nonlinear effects on wave structures in a four-component dusty plasma with nonisothermal electrons”.

7. “Two-dimensional dust acoustic solitary waves with kappa-distributed ions and electrons”.
Tarsem Singh Gill, Chanchal Bedi, and Amandeep Singh Bains, *Chaos, Solitons and Fractals* (Communicated).

**B. From other related research work**

1. “Modulational instability of dust acoustic solitons in multicomponent plasma with kappa-distributed electrons and ions”.

2. “Ion-acoustic envelope excitations in electron-positron-ion plasma with nonthermal electrons”.

3. “Ion acoustic shock waves in weakly relativistic multicomponent quantum plasma”.

4. “Modulated wave packets in pulsar magnetospheric plasma”.