List of Publications

A. From the research work of thesis

   **R. Kaur**, T. S. Gill and R. Mahajan
   JPCS **208**, 012086(1-10) (2010).

   **R. Kaur**, T. S. Gill and R. Mahajan

3. Propagation of high power electromagnetic beam in relativistic magnetoplasma: Higher order paraxial ray theory.
   T. S. Gill, **R. Kaur** and R. Mahajan

   T. S. Gill, **R. Kaur** and R. Mahajan

   T. S. Gill, **R. Kaur** and R. Mahajan
   Physica Scripata (Communicated) (2012).

6. Interaction between parallel Gaussian electromagnetic beams in relativistic magnetoplasma.
   **R. Kaur**, T. S. Gill, and R. Mahajan
   Optics Communications (Communicated) (2012).

B. Other related research work

1. Nonlinear dynamics of intense EM pulses in plasma.
   R. Mahajan, T. S. Gill and **R. Kaur**
   JPCS **208**, 012087 (2010).
2. Relativistic and ponderomotive effects on evolution of laser beam in a non-uniform plasma channel.
   T. S. Gill, R. Mahajan and R. Kaur

3. Relativistic and ponderomotive effects on evolution of dark hollow Gaussian electromagnetic beams in a plasma.
   T. S. Gill, R. Mahajan and R. Kaur

   T. S. Gill, R. Mahajan and R. Kaur

   T. S. Gill, R. Mahajan, and R. Kaur
   Laser and Particle Beams (Accepted) (2012).

6. Interaction between parallel Gaussian electromagnetic beams in a plasma with weakly relativistic-ponderomotive regime.
   R. Mahajan, T. S. Gill, and R. Kaur
   Optik (communicated) (2012).