

LIST OF RESEARCH PUBLICATIONS

A. International Refereed Journal of Scientific Repute: 09

1. Karmakar, P. K., **Gohain, M.**, and U. Deka. Stability analysis of polytropic solar wind. *Canadian Journal of Physics*, 92(11):1419-1424, 2014.
2. **Gohain, M.** and Karmakar, P. K. Gravito-electrostatic fluctuations of a polytropic charge dust cloud. *Physica Scripta*, 89:125604(1-12), 2014.
3. **Gohain, M.** and Karmakar, P. K. A generalized two-fluid model of plasma sheath equilibrium structure. *Europhysics Letters*, 112:45002(1-6), 2015.
4. **Gohain, M.** and Karmakar, P. K. A perturbative correction for electron-inertia in magnetized sheath structures. *European Physical Journal D*, 70:222(1-6), 2016.
5. **Gohain, M.** and Karmakar, P. K. Nonextensive turbulent gravito-electrostatic sheath (GES) equilibrium structure. *Europhysics Letters*, 117:19001(1-6), 2017.
6. **Gohain, M.** and Karmakar, P. K. Evolutionary sheath structure in magnetized collisionless plasma with electron inertia. *Plasma Physics Reports*, 43(9):957-968, 2017.
7. **Gohain, M.** and Karmakar, P. K. Normal mode behaviors in solar prominence plasmas. *Journal of Physics: Conference Series*, 836:012006(1-5), 2017.
8. Bhakta, B., **Gohain, M.**, and Karmakar, P. K. Pulsational mode behaviors in complex non-extensive non-thermal viscous astrophysical fluids. *Europhysics Letters*, 119:25001(1-6), 2017.
9. **Gohain, M.** and Karmakar, P. K. Nonextensive GES instability with nonlinear pressure effects. *Results in Physics*, 8:592-597, 2018.

B. Journal Paper under Preparation and Communication: 02

1. **Gohain, M.** and Karmakar, P. K. A nonlocal stability analysis of nonextensive turbulent gravito-electrostatic sheath structure. *Europhysics Letters*, 2017.
2. **Gohain, M.** and Karmakar, P. K. Characterizing the wave damping behaviors in solar prominence plasmas, *Physics of Plasmas*, 2017.