Publications

The following are the research publications resulted from the present thesis work.

1. Pathak N. M., Sharma R. K. and Thomas V. O.; Evolution of Periodic Orbits in the Sun–Saturn System. *International Journal of Astronomy and Astrophysics, Scientific Research Publication*, **6**, 175–197(2016).

2. Pathak N. M. and Thomas V. O.; Evolution of the f Family Orbits in the Photo–Gravitational Sun-Saturn System with Oblateness. *International Journal of Astronomy and Astrophysics, Scientific Research Publication*, **6**, 254–271 (2016).

3. Pathak N. M. and Thomas V. O.; Analysis of Effect of Oblateness of Smaller Primary on the Evolution of Periodic Orbits. *International Journal of Astronomy and Astrophysics, Scientific Research Publication*, **6**, 440–463 (2016).

4. Pathak N. M. and Thomas V. O.; Analysis of Effect of Solar Radiation Pressure of Bigger Primary on the Evolution of Periodic Orbits. *International Journal of Astronomy and Astrophysics, Scientific Research Publication*, **6**, 464–493 (2016).

5. Pathak N. M., Thomas V. O. and Abouelmagd E. I. ; The Perturbed Photo–gravitational Restricted Three–Body problem: Analysis of Resonant Periodic Orbits. *Accepted for publication in Discrete and Continuous Dynamical systems S, American Institute of Mathematical Sciences Publication.*

6. Pathak N. M., Abouelmagd E. I. and Thomas V. O. ; On Higher Resonance Order of Periodic Orbits in the Photo–gravitational Restricted Three–Body Problem. *Communicated for publication.*