

Research Publications of Dr. J.L. Rama Prasad (from 2019):

- A study on AL₂O₃ - H₂O Nano fluid in the presence of constant Heat Source. International Journal of Mechanical and Production Engineering Research and Development, Trans Stellar Publications. ISSN: 2249-8001, Vol.9, Issue 2, pp.399-406, April 2019. (Scopus indexed)
- A Study of MHD Dissipative Fluid with Radiation Absorption and Chemical Reaction effects. Journal of Xidian University. ISSN: 1001-2400, Vol 14, Issue 5, 2020 (Scopus indexed)
- An incitement of Hall and Aligned MHD Casson flow. TEST Engineering and Management. June 2020, ISSN: 0193-4120, PP:12035-12040 (Scopus indexed)
- Effects of radiation and radiation absorption on unsteady MHD flow past a vertical porous flat plate in a rotating system with chemical reaction in a Nanofluid. International Journal of Advanced Trends in Computer Applications (IJATCA). ISSN: 2395-3519, pp. 147-152, July, 2019.
- Aligned Magnetic field effect on unsteady MHD double diffusive free convection flow of Kuvshinski fluid past an inclined moving porous plate. Lecture Notes in Mechanical Engineering, ISSN:2195-4356, July, 2020, Springer. (Scopus indexed)
- Cosinusoidally fluctuating temperature and chemical reacting effects on MHD free convective fluid flow past a vertical porous plate with Hall, Ion-slip current and Soret. Lecture Notes in Mechanical Engineering, ISSN:2195-4356, July, 2020, Springer. (Scopus indexed)
- Entropy generation and temperature gradient heat source effects on MHD couette flow with permeable base in the presence of viscous and joules dissipation. Frontiers in Heat and Mass Transfer, ISSN: 2151-8629, Vol. 15, Issue 8, September 2020 (Web of Science & Scopus indexed)
- Heat transfer and entropy generation analysis in a horizontal channel filled with a permeable medium in the presence of aligned magnetic field and temperature gradient heat source. Research Article No. 377 , SN Applied Sciences, e ISSN: 2523-3971, Volume 3, Issue 3, March 2021, Springer. (Web of Science indexed)
- Numerical Investigation of Casson Maxwell MHD Nano Fluid with multiple slip features. International Journal of Mechanical Engineering, ISSN No. 0974-5823, Vol.6, No.3, Dec 2021. (Scopus indexed)
- Heat and Mass Transfer effects on linearly accelerated Isothermal Inclined plate. Frontiers in Heat and Mass Transfer, ISSN: 2151-8629, Vol. 18, Issue 11, March 2022. DOI: 10.5098/hmt.18.11 (Web of Science indexed)
- Radiative Magneto Hydrodynamic flow over a vertical cone filled with convective nano fluid. Communications in Mathematics and Applications, ISSN: 0976-5905, Vol 13, No.2, July 2022. (Web of Science indexed)

- Non homogeneous two component buongiorno model for nano fluid towards Howarth's wavy cylinder with activation energy. Results in Engineering, ISSN: 2590-1230, Vol. 17, 2023. (Scopus, Web of Science indexed & Q1)
- Performance of magnetic dipole contribution on ferromagnetic non Newtonian radiative MHD blood flow: An application of biotechnology and medical sciences. Heliyon, e13369, Vol.9, 2023. (Scopus, Web of Science indexed & Q1)
- Entropy generation analysis on forced and free convection flow in a vertical porous channel with aligned magnetic field and Navier slip. Heat Transfer, May 2023. (Scopus & Web of Science indexed)
- Exploration of Bio-convection for slippery two-phase Maxwell nanofluid Past a Vertical Induced Magnetic Stretching Regime Associated for Biotechnology and Engineering. Journal of Molecular Fluids, October, 2023. (Scopus, Web of Science indexed & Q1)

Research Publications of Dr. T. Anuradha (from 2019):

- Characteristics of hyperideals in Ternary semihyperrings. Communications in Mathematics and Applications, Vol. 13, Issue 2, June 2022, ISSN:0976-5905. (Web of Science indexed)
- On Prime Hyperideals in Ternary semihyperring. Advances and Applications in Mathematical Sciences, Vol. 21, Issue 11, September 2022, p. 6385-6399, ISSN:0974 - 6803.
- Structure of Regular and Idempotent Ternary Semihyperrings. Turkish Journal of Physiotherapy and Rehabilitation, August 2021, ISSN: 2651-446X.