Faculty Profile

Name:	**Dr. G. Nagaraju**
Designation:	Assistant Professor
Teaching Areas:	Differential Equations, Numerical Analysis, Probability & Statistics, Linear Algebra, Complex Variables, Calculus, Discrete Mathematical structures
Research Interests:	Fluid Dynamics, Heat and Mass Transfer, Boundary layer problems, second law analysis, flow through Cylinders
Education:	Ph.D., National Institute of Technology, Warangal, 2010.
	M.Sc., National Institute of Technology, Warangal, 2004.
	B.Sc., Kakatiya University, Warangal, 2002.

Professional Experience (16 years)

1. October 2020 - till date: Assistant Professor, FST, The ICFAI Foundation for Higher Education, Hyderabad.
2. 2018 - 2020: Assistant Professor, Lebanese French University, Kurdistan region, Erbil, IRAQ.
3. 2010 - 2018: Assistant Professor, GITAM University, Hyderabad.
4. 2007 - 2010: Half Time Teaching Assistant, National Institute of Technology, Warangal.
5. 2004 - 2006: Assistant Professor, SR Engineering College, Warangal.

Research/Selected Publications:

1. **Nagaraju Gajjela**, Mahesh Garvandha, The influence of magnetized couple stress heat, and mass transfer flow in a stretching cylinder with convective boundary condition, cross-diffusion, and chemical reaction, Thermal Science and Engineering Progress 18 (2020) 100517, doi: https://doi.org/10.1016/j.tsep.2020.100517
2. **Nagaraju Gajjela**, Mahesh Garvandha, Impacts of variable thermal conductivity and mixed convective stagnation-point flow in a couple stress nanofluid with viscous heating and heat source, Heat Transfer. 2020; 1–21.https://doi.org/10.1002/htj.21792
3. **G.Nagaraju** and Mahesh Garvandha, Magnetohydrodynamic viscous fluid flow and heat transfer in a circular pipe under an externally applied constant suction, Heliyon 5 (2019) e01281. doi: 10.1016/j.heliyon.2019. e01281(**Scopus/DOAJ**)
4. **G.Nagaraju,** Srinivas Jangili, J.V.Ramana Murthy, O.A.Beg and A.Kadir, Second Law Analysis of Flow in a Circular Pipe with Uniform Suction and Magnetic Field Effects, Journal of Heat Transfer (ASME), (**Science Citaton Index Expanded/Web of science with Impact factor 1.608**) Vol.-141, Issue No.-1, Page Nos: 012004-1-9, 2018.
5. **G. Nagaraju**, J. Srinivas, J.V. Ramana Murthy, and A.M. Rashad, Entropy Generation Analysis of the MHD Flow of Couple Stress Fluid between Two Concentric Rotating Cylinders with Porous Lining, *Heat Trans Asian Res*., 46(4): 316–330, 2017(**Scopus**/Wiley science).
6. Srinivas Jangili, **Nagaraju Gajjela**, O. Anwar Beg, Mathematical modeling of entropy generation in magnetized micropolar flow between co-rotating cylinders with internal heat generation, *Alexandria Engineering Journal* (2016),Vol 55, pp 1969–1982, **(SCIE/Elsevier).**