Faculty Profile

Name:	**Dr. Anjanna Matta**
Designation:	Assistant Professor
Teaching Areas:	Differential Equations, Numerical Analysis, Probability & Statistics, Linear Algebra
Research Interests:	Numerical Modeling, Computational Fluid Dynamics, Convection in porous media, Hydrodynamic stability.
Education:	Ph.D., Indian Institute of Technology, Hyderabad, 2016
	M.Tech., Indian Institute of Technology, Madras, 2010
	M.Sc., National Institute of Technology, Warangal, 2004

Professional Experience (14 years)

1. 2016-till date: Assistant Professor, FST, The ICFAI Foundation for Higher Education, Hyderabad.
2. 2012-2016: Teaching Assistant, Indian Institute of Technology, Hyderabad.
3. 2010-2012: Assistant Professor, Jyothismathi Institute of technological sciences, Karimnagar, Telangana.
4. 2004-2008: Assistant Professor, Jayamukhi Institute of Technological Sciences, Narasmpet, Warangal, Telangana.

Research / Selected Publications:

- **Published a Book :The title of book is "Linear and Nonlinear Stability Analysis in a Horizontal Porous Layer"** In LAP LAMBERT Academic Publishing, ISBN: 978-3-330-07597-9.
- **Ongoing Project (SERB-TAR/2018/001290):**The effect of heat source on non-Newtonian fluid flow through a horizontal porous bed.
- **Executuve Council Member** for *Indian Society of Theoritical and Applied Mechanics*

1. **Anjanna Matta,** On the stability of hadley-flow in a horizontal porous layer with non-uniform thermal gradient and internal heat source, **Microgravity Science and Technology**, *(***SCI Journal**) (2019) 1-7.
2. **Anjanna Matta** and G. Nagaraju, Order of chemical reaction and convective boundary condition effects on micropolar fluid flow over a stretching sheet,***AIP Advances***, *(***SCI Journal***)* 8(2018) 1-10.
3. **Anjanna Matta** and Antony A. Hill, Double-diffusive convection in an inclined porous layer with a concentration based internal heat source,***Continuum Mechanics and Thermodynamics, (*Springer Journal SCI***)**30(1) (2018) 165–173.
4. **Anjanna Matta**, P. A. L. Narayana and Antony A. Hill, Double-diffusive Hadley-Prats flow in a horizontal porous layer with a concentration based internal heat source, ***Journal of mathematical analysis and applications(*Elsevier Journal SCI**)** 452, (2017) pp. 1005-1018.
5. **Anjanna Matta**, P. A. L. Narayana and Antony A. Hill, Double-diffusive Hadley-Prats flow in a porous medium subject to gravitational variation**,** ***International Journal of Thermal Sciences (*Elsevier Journal SCI***)**, 102 (2016) pp.300-307.