Faculty Profile

Basic Information:

NAME : **Dr. P. Roja**

DESIGNATION : **Assistant Professor**

DEPARTMENT : **Humanities and Sciences**

DATE OF BIRTH : **09-07-1983**

DATE OF JOINING : **19-08-2013**

EMAIL ID : **rojasvu09@gmail.com**

EMPLOYEE ID: **526**

Academic Profile:

Qualification	Name of the Board/University	YEAR
Ph.D.	S.V. University, Tirupati	2012
M.Sc.	Sri Venkateswara University	2007
B. A	Sri Venkateswara University	2004

Research Details:

1. Areas of Specialization :		Fuild Mechanics
2. No. of Publications :		24
3. Awards Received :		Nil
4. Research Guidance		
	No. of PhD Guided:	Nil
	No. of MTech. Guided:	Nil
	No. of B.Tech. Guided:	Nil
5. Details of Professional Membership:		Nil
6. Subjects Taught :		Matrix Theory and Calculus, Differential Equations and Transform Techniques, Probability and Statistics, Mathematical Foundations of Computer Science, Complex Analysis, Advanced Complex Analysis, Discrete Mathematics

Publication Details:

Title	Publisher	Published Year
Thermal radiation effects on MHD Oscillatory flow of a micropolar fluid over a semi-infinite vertical moving porous plate.	Journal of pure & Applied Physics.	2009
Radiation effects on MHD mixed Convection flow of a micropolar fluid past a semi-infinite moving porous plate in a porous medium with heat absorption.	International Journal of Applied Mathematics and Mechanics	2010
MHD Oscillatory flow of a micropolar fluid over a semi-infinite vertical moving porous plate through a porous medium in the presence of thermal radiation.	International Journal of Stability and fluid Mathematics	2010
Double-Diffusive Convection-Radiation Interaction on Unsteady MHD Flow of a Micropolar Fluid over a Vertical Moving Porous Plate Embedd in A Porous Medium with Heat Generation and Soret Effects.	International Journal Engineering and science	2012
Radiation and chemical reaction effects on MHD free convection flow c a micropolar fluid bounded by a vertical infinite surface with viscous dissipation and constant suction.	IJORM	2013
Radiation and mass transfer effects on MHD free convective flow of a micropolar fluid past an infinite vertical porous moving plate embedde in a porous medium with viscous dissipation.	International Journal Scientific and resear publications.	2013
Double-Diffusive Convection-Radiation Interaction on Unsteady MHD Flow of a Micropolar Fluid Over a Vertical Moving Porous Plate Embedded in A Porous Medium with Chemical Reaction and Soret Effects.	Journal of Global Research in Mathematical Archives	2013
Radiation and mass transfer effects on unsteady MHD Convective flow a micropolar fluid past an infinite heated vertical moving porous plate i a porous medium.	International Journal of Engineering and science	2014
Radiation Effects on Unsteady MHD Free Convective Heat and Mass Transfer Flow of Past a Vertical Porous Plate Embedded in a Porous Medium with Viscous Dissipation.	International Journal of Innovative Research in Science, Engineering and technology	2014
Radiation and Viscous Dissipation Effects on MHD Convective Flow of a Micro Polar Fluid Past Continuously Moving Plate with Suction/Injectior	IOSR Journal of Mathematics	2016

Thermal radiation and chemical reaction effects on MHD mixed convection flow of a micropolar fluid past a continuous surface in a parallel moving stream with viscous dissipation.	Int. Journal of Engineering research	2019
Thermal Radiation and Thermophoresis Effects on Steady MHD Free Convention Flow of a Micropolar Fluid through a Porous Medium with Variable Heat and Mass flux Boundary Conditions.	International Journal of Engineering Research	2020
Convective Heat Transfer and Mass Transfer Observations of MHD Cu-Water Nanofluid in a Rotating System.	Int. conference on mathematical Sciences and applications	2020
Characteristics of MHD three-dimensional flow of nanofluid over a permeable stretching porous sheet, Heat Transfer.	Heat Transfer	2022
Thermal Radiation and Viscous Dissipation Effects on (MHD) Bioconvection Stream of Maxwell Nano liquid over a Permeable Vertica Plate Due to Gyrotactic Microorganisms.	Mathematical Modelling of Engineering Problems	2022
Characteristic of Thermal Radiation on MHD Fluid Stream of Nano-Fluid over an Exponentially Elongating Sheet by Means of Warm and Mass Fluxes.	CFD Letters	2022
The Effect of Thermophoresis on MHD Stream of a Micropolar Liquid Through a Porous Medium with Variable Heat and Mass Flux and Therm Radiation.	CFD Letters	2022
Thermophoresis and Soret-Dufour Impacts on MHD Viscous Dissipative Micropolar Fluid Past an Inclined Isothermal Surface.	Bio Gecko	2023
Flow pattern of MHD Casson nanofluid past a porous stretching sheet – a numerical approach.	European Chemical Bulletin	2023
Numerical Based Study on the Flow Pattern of Casson Nano fluid under Thermo Diffusion in Conducting Field.	Bio Gecko	2023
Chemically Radiative MHD Flow of a Micropolar Nanofluid over a Stretching/Shrinking Sheet with a Heat Source or Sink	Fluid Dynamics and Material Processing	2023
Study on MHD flow of micropolar fluid over a stretching surface under the impacts of heat source and chemical reaction.	Chemical Bulletin	2023
Magnetic Field Influence on Thermophoretic Micropolar Fluid Flow over an Inclined Permeable Surface: A Numerical Study.	J. Appl. Comput. Mech.,	2024
Melting Heat Transfer Effects on MHD Chemically Thermally Radiative Micropolar Fluid Flow towards Stretching Exponentially sheet with Heat Sink/Source.	CFD Letters	2025