Faculty Profile

Basic Information:

NAME	:	Dr. V. Ravi Kumar
DESIGNATION	:	Assistant Professor of Mathematics
DEPARTMENT:		Department of Humanities and Sciences
DATE OF BIRTH	:	01.06.1975
DATE OF JOINING	:	18.08.2007

Academic Profile:

Qualification	Name of the Board/University	YEAR
Doctor of Philosophy	Jawaharlal Nehru Technological University, Ananthapuramu, AP, India.	2015
Master of Philosophy in Mathematics	Madurai Kamaraj University.	2005
Master of Science (Mathematics)	Sri Venkateswara University, Tirupati, AP, India.	1999
Bachelor of Science (MPC)	Sri Venkateswara Degree College, Kadapa.	1996
Board of Intermediate Education (MPC)	S.K.M. Junior college, Sidhout.	1993
Board of Secondary Education	Z. P. High school, Sidhout.	1990

Research Details:

1. Areas of Specialization	:	Fluid Dynamics	
2. No. of Publications	:	19	
3. Awards Received	:	00	
4. Research Guidance			
	No. of PhD Guided:	02	
	No. of MTech. Guided:	00	

	No. of B.Tech. Guided:	00
5. Details of Professional Membership:		01
6. Subjects Taught :		Mathematics-I Mathematics-II Mathematics-III Mathematical Methods Probability and Statistics Matrix theory and Calculus Differential equations and Transforms Techniques Discrete Mathematics Complex variables and special functions

Publication Details:

Title	Publisher	Published Year
Heat and Mass transfer effects on MHD flow of viscous fluid through non-homogeneous porous medium in presence of temperature dependent heat source	International Journal of Contemporary Mathematical sciences	2012
MHD three-dimensional coquette flow past a porous plate with heat transfer	IOSR Jour. Maths	2012
Magnetic field and radiation effects on a double diffusive free convective flow bounded by two infinite impermeable plates in the presence of chemical reaction	International Journal of scientific and Engineering Research	2013
Magnetic field effect on transient free convection flow through porous medium past an impulsively started vertical plate with fluctuating temperature and mass diffusion"	International Journal of Mathematical Archive	2013
MHD Double diffusive and chemical reactive flow through porous medium bounded by two vertical plates	International Journal of Energy & Technology,	2013
Combined effects of heat absorption and MHD on convective Rivlin-Ericksen flow past a semi-infinite vertical porous plate with variable temperature and suction	Ain Shams Engineering Journal	2014
Theoretical investigation of an unsteady MHD free convection heat and mass transfer flow of a non-Newtonian fluid flow past a permeable moving vertical plate in the presence of thermal diffusion and heat sin	International Journal of Engineering Research in Africa	2015
Thermal diffusive free convective radiating flow over an impulsively started vertical porous plate in conducing field	Journal of Physical Mathematics	2016
Radiation absorption and thermal diffusion effects on conducting fluid past an exponentially accelerated vertical plate with exponentially varying temperature and concentration	Middle-East J. Sci. Res.,	2016
Rotational impact on unsteady MHD double diffusive boundary layer flow over an impulsively emerged vertical porous plate	Journal of International Journal of Engineering Research in Africa	2016
Thermal diffusion and radiation effects on magneto-Caisson fluid flow past a vertical porous plate	i-manager's Journals on Mathematics	2016
Three dimensional laminar flow of magnetite water based nano fluids under heat generation and couple stress effects	JP Journal of Heat and Mass Transfer	2016
Unsteady MHD free convective flow of a radiating fluid past an inclined permeable plate in the resence of heat source	AIP Conference Proceedings	2020

Analytical study on MHD convective non-Newtonian fluid flow under the influence of diffusion-thermo and heat source effects	AIP Conference Proceedings	2020
Explicit finite difference simulations for accelerating cross diffusion flow over a perpendicular shield with parabolic motion	Journal of the Indian Chemical Socity	2023
Flow Characteristics of MHD radiative heat absorbing/generating nanofluid with variable temperature	BioGecko	2023
Effects of Nanofluid of free convective MHD heat absorpting/generating fluid with variable temperature	European chemical bulletin	2023
Importance of reflected solar energy loaded with SWCNTs-MWCNTs/EG Darcy porous stretched surface: MIDRICH SCHEME	East European Journal of physics	2024
Pose estimation of spacecraft using Dual Transformers and Efficient Bayesian Hyperparameter Optimization	International Journal of Advanced Computer Science and Applications	2025