



ANNAMACHARYA UNIVERSITY

EXCELLENCE IN EDUCATION; SERVICE TO SOCIETY
(ESTD, UNDER AP PRIVATE UNIVERSITIES (ESTABLISHMENT AND REGULATION) ACT, 2016)
Rajampet, Annamayya District, A.P – 516126, INDIA

Faculty Profile

Basic Information:

NAME : Dr. K. JANARDHAN
DESIGNATION : Assistant Professor in Mathematics
DEPARTMENT : Humanities and Sciences
DATE OF BIRTH : 22/06/1981
DATE OF JOINING : 31/07/2015
EMAIL ID : kjd@aitsrajampet.ac.in
EMPLOYEE ID : AITS991008



Academic Profile:

Qualification	Name of the Board/University	YEAR
Ph.D.	S.V.University, Tirupati.	2013
SET	State Eligibility Test	2012
M.Phil	S.V.University, Tirupati.	2009
M.Sc	S.V.University, Tirupati.	2005

Research Details:

1. Areas of Specialization	:	Fluid Dynamics (Heat and Mass transfer)
2. No. of Publications	:	22
3. Awards Received	:	01
4. Research Guidance		
	No. of PhD Guided:	01
	No. of MTech. Guided:	
	No. of B.Tech. Guided:	
5. Details of Professional Membership:		02



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6. Subjects Taught :	<ul style="list-style-type: none"> ➤ Algebra and Calculus (Matrices, Partial Differentiation, Multiple integrals, Special functions) ➤ Differential Equations and Vector Calculus (Differential Equations, Applications of Integration, Vector Differentiation, Vector integration) ➤ Transform Techniques, Numerical methods and Complex variables (Laplace Transforms, Fourier Series, Fourier Transforms, Numerical Methods and Complex Analysis) ➤ Probability & Statistics: (Probability, Random Variables, Probability Distributions, Sampling Distributions, Testing of Hypothesis) ➤ Operations research: (Scope and applications of Operations research, Optimization, Transportation problems, Assignment problems, PERT & CPM. ➤ Computational Methods: (Numerical techniques for solving Ordinary and Partial differential equations, Basics of Matlab) ➤ Business Statistics: (Scope and applications of Statistics, Mathematical statistics, Index numbers, Time series) ➤ Mathematical Modelling: (Mathematical Modelling through Ordinary differential equations of first and second order, simultaneous D.E.s, Difference equations) ➤ General Aptitude: (Aptitude and reasoning)
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Publication Details:

Title	Publisher	Published Year
Hall Current Effects on Unsteady MHD Flow between a Stretching Sheet and an Oscillating porous Upper Parallel Plate with Constant Suction	International Journal of Scientific computing	2009
Hall Current Effect on Oscillatory Flow of viscous Conducting Fluid in a Tapered Channel Bounded Above by a permeable Bed.	Proceedings of the 54th Congress of ISTAM (An International Meet) Netaji Subhas Institute of Technology, New Delhi,	2009
Hall Current Effects on Unsteady Memory Convective Flow through Porous Medium	Proceedings of the 55th Congress of ISTAM (An International Meet) National Institute of technology, Hamirpuri,	2010



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Free Convective Flow of Conducting fluid Through a Porous Medium Bounded by an Oscillating Porous Plate in Slip Flow Regime	Acta Ciencia Indica	2011
Hall Current Effects on MHD Natural Convection flow of Viscous Incompressible Fluid Past an Inclined Vertical Flat Plate in a porous Medium	Proceeding of the National Conference on Applications of Mathematics in Engineering Sciences, Andhra University, Visakhapatnam	2011
Hall Current Effects on Free Convective Rivlin Ericksen Flow Through a Porous Medium with Variable Permeability	Proceedings of International Conference on Advance in Mathematical & Computational Methods (AMCM-2011)	2011
Hall Current Effects on Unsteady MHD Memory Convective Flow Over a Moving Continuous Porous Horizontal Surface	Proceedings of International Conference on Fluid Dynamics and Its Applications, B.N.M.Institute of Technology,	2011
Thermal Radiation Effects on MHD Convective Flow Over an Inclined Porous Plate Embedded in a Porous Medium With Temperature Dependent Heat Source/ sink	International Journal of Applied Mathematics	2012
Hall Current Effects on MHD Natural Convection Flow of Viscous Incompressible Fluid Past an Flow of viscous Incompressible fluid Past an Inclined Flat Plate in a Porous Medium	i-manager's Journal on Mathematics,	2012
Thermophoresis Effect on mixed convection flow from a Rotating Porous Cone Embedded in a Non-Darcy Porous Medium with Thermal Radiation	International Journal Of Engineering Sciences And Research Technology	2015
Melting Effect On Non-Linear Convective Flow Over A Vertical Plate in a Rotating System in a Porous Medium	International Journal Of Scientific And Innovative Mathematical Research	2015
Unsteady MHD free convective flow of a radiating fluid past an inclined permeable bplate in the presence of heat source	AIP Conference Proceedings 2246, 020086 (2020)	2015
Free Convective Heat Transfer Radiative Flow Past an Impulsively Started Vertical Moving Plate With Uniform Heat and Mass Flux	International Journal of Research & Development Organization	2016
Soret and Dufour Effects on MHD Casson Fluid Over A Vertical Plate in Presence of Chemical Reaction and Radiation	International Journal of Current Research and Review	2017
Heat Transfer Effect on an Oscillatory Flow of Jeffrey Fluid Through A Porous Medium in A Tube	International Journal of Advanced Scientific Research and Management	2018
Unsteady MHD free convective flow of a radiating fluid past an inclined permeable bplate in the presence of heat source	AIP Conference Proceedings 2246, 020086 (2020)	2020



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PARABOLIC MOTION EFFECTS ON CONVECTIVE HEAT AND MASS TRANSFER FLOW OVER A VERTICAL PLATE WITH CROSS DIFFUSION	Advances and Applications in Mathematical Sciences	2022
EFFECTS OF NANOFLUID ON FREE CONVECTIVE MHD HEAT ABSORBING/GENERATING FLUID WITH VARIABLE TEMPERATURE	European Chemical Bulletin	2023
Flow Characteristics of MHD Radiative Heat Absorbing/Generating Nanofluid with Variable Temperature	BioGecko	2023
Impact of Heat and Mass Trnsmission on Flow Past an Exponentially Aecelerated Parabolic Motion Over a Perpendicular Plate with Cross Dispersion	International Conference on Research in Sciences, Engineering and Technology AIP Conf.Proc	2024
Unstesdy Pulstile Flow of a Jeffrey Fluid Flow Under External Acceleration Between Two Coaxial Cylinders.	Stapsjournal.com	2025