

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. P. CHANDRA REDDY

DESIGNATION : Assistant Professor

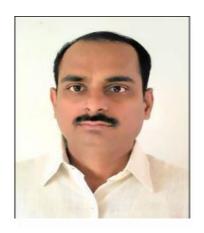
DEPARTMENT : MATHEMATICS

DATE OF BIRTH : 02.05.1978

DATE OF JOINING : 12.08.2013

EMAIL ID : chandramsc01@gmail.com

EMPLOYEE ID: : 522



Academic Profile:

Qualification	Name of the Board/University	YEAR
Ph.D	Jawaharlal Nehru Technological University, Anantapuramu, AP, India.	2017
M.Sc	Sri Venkateswara University, Tirupati.	2001
B.Sc	Sri Venkateswara University, Tirupati.	1998

Research Details:

1. Areas of : Specialization	Fluid Dynamics, Heat and Mass transfer.		
2. No. of Publications :	57		
3. Awards Received :	-		
4. Research Guidance			
No. of PhD Guided: No. of MTech. Guided: No. of B.Tech. Guided:	02 -		
5. Details of Professional Membership:	 Life member of Andhra Pradesh and Telangana Society of Mathematical Sciences (APTSMS) Member of National Advisory Editorial Board, BPAS Publications Editorial Board Member of i-manager's Journal on Mathematics (JMAT). 		



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SARVATRA	Rajampet, Annamayya District, A.P – 516126, INDIA
6. Subjects Taught	 Algebra and Calculus (Matrices, Partial Differentiation, Multiple integrals, Special functions)
	2. Differential Equations and Vector Calculus (Differential Equations, Applications of Integration, Vector Differentiation, Vector integration)
	3. Transform Techniques, Numerical methods and Complex variables (Laplace Transforms, Fourier Series, Fourier Transforms, Numerical Methods and Complex Analysis)
	4. Probability & Statistics: (Probability, Random Variables, Probability Distributions, Sampling Distributions, Testing of Hypothesis)
	5. Computational Methods: (Numerical techniques for solving Ordinary and Partial differential equations, Basics of Matlab)
	6. Business Statistics: (Scope and applications of Statistics, Mathematical statistics, Index numbers, Time series)
	7. Operations research: (Scope and applications of Operations research, Optimization, Transportation problems, Assignment problems, PERT & CPM.
	8. Methods of Applied Mathematics.9. Mathematical Modelling.
	10. Aptitude and Reasoning skills.



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Publication Details:

S.No.	Title	Publisher Name	Year
1	Thermal and solutal buoyancy effect on MHD	Journal of Applied &	2015
	boundary layer flow of a visco-elastic fluid past a	Computational Mathematics	
	porous plate with varying suction and heat source in		
	the presence of thermal diffusion		
2	Magnetohydrodynamic convective double diffusive	International Journal of	2016
	laminar boundary layer flow past an accelerated	Engineering Research in Africa	
	vertical plate		
3	Soret and Dufour effects on MHD free convection	Advances and Applications in	2016
	flow of Rivlin-Ericksen fluid past a semi infinite	Fluid Mechanics	
	vertical plate		
4	Free convective magneto-nanofluid flow past a	Frontiers in Heat and Mass	2016
	moving vertical plate in the presence of radiation	Transfer	
	and thermal diffusion		
5	Free convective heat and mass transfer flow of heat	Special Topics and Reviews in	2016
	generating nano fluid past a vertical moving porous	Porous Media	
	plate in conducting field		
6	Diffusion thermo and thermal diffusion effects on	Bulletin of Pure and Applied	2017
	MHD free convection flow of Rivlin-Ericksen fluid	Sciences	
	past a semi infinite vertical plate		
7	Radiation and Dufour effects on laminar flow of a	Frontiers in Heat and Mass	2018
	rotating fluid past a porous plate in conducting field	Transfer	
8	Thermal diffusion and Joule-heating effects on	International Journal of Fluid	2018
	magnetohydrodynamic, free-convective, heat-	Mechanics Research	
	absorbing/generating, viscous-dissipative		
	Newtonian fluid		
9	Joule Heating and Radiation Absorption Effects on	Bulletin of Pure and Applied	2018
	MHD Convective and Chemically Reactive Flow	Sciences	
	past a Porous Plate		
10	Thermal diffusion and Joule heating effects on	International Journal for	2018
	MHD radiating fluid embedded in porous medium	Research in Engineering	
		Application & Management	
		(IJREAM)	
11	Magneto-convective and radiation absorption fluid	International Journal for	2018
	flow with variable temperature and concentration in	Research in Engineering	
	the presence of thermal diffusion	Application & Management	
		(IJREAM)	
12	Casson fluid flow over a vertical porous plate under	International Journal of	2018
	the existence of cross diffusion effects in	Advanced Scientific Research	
	conducting field	and Management	
13	Joule heating influence on MHD Casson fluid over	International Journal of Research	2018
	a vertical porous plate in the presence of thermal	in Advent Technology	
	diffusion and chemical reaction		
14	MHD heat generating/absorbing and radiating fluid	Journal of Applied Physical	2018
	past a porous plate	Science International	
15	MHD natural convective heat generating/absorbing	Journal of the Serbian Society	2018
	and radiating fluid past a vertical plate embedded in	for Computational Mechanics	
	porous medium-an exact solution		



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16	Numerical study of MHD boundary layer flow of a	International Journal of Fluid	2019
	viscoelastic and dissipative fluid past a porous plate	Mechanics Research	
	in the presence of thermal radiation		
17	Buoyancy effects on unsteady MHD chemically	Defect and Diffusion Forum	2019
1,	reacting and rotating fluid flow past a plate in a	Derect and Birtusion Forum	2019
	porous medium		
18	Buoyancy effects on chemically reactive magneto-	Bulletin of Pure and Applied	2019
	nanofluid past a moving vertical plate	Sciences	
19	Effects of Chemical Reaction and Radiation on	International Journal of	2019
	MHD Convective Casson Fluid Flow	Engineering Research	
20	Mathematical analysis of non-Newtonian fluid flow	Special Topics & Reviews in	2019
	past an inclined plate	Porous Media	
21	An Unsteady MHD Mixed Convection Flow Pattern	International Journal of	2019
	of Casson Fluid through Past Vertical Porous Plate	Scientific Research in Computer	
	with Radiation and Chemical Reaction	Science, Engineering and	
		Information Technology	
22	Thermal Radiation and Thermophoresis Effects on	International Journal of	2020
	Steady MHD Free Convection Flow of a	Engineering Research	
	Micropolar Fluid through a Porous Medium		1
23	Three dimensional laminar flow of magnetite water	JP Journal of Heat and Mass	2020
	based nanofluids under heat generation and couple	Transfer	
	stress effects		
24	Thermophoresis effect on MHD flow of a	Journal of Xidian University	2020
	micropolar fluid under variable heat flux		
25	Thermal radiation and viscous dissipation effects on	Journal of Xidian University	2020
	steady MHD heat and mass transfer flow of a		
26	micropolar fluid	Y 1 637'1' YI	2020
26	Uniform boundary layer flow of Casson fluid past a	Journal of Xidian University	2020
	vertical plate through porous medium in conducting		
27	fluid	Lecture Notes in Electrical	2020
27	Heat and Mass Characteristics of Magneto-		2020
20	Newtonian Fluid Through Upright Porous Plate	Engineering Dullatin of Duna and Applied	2020
28	Flow characteristics of unsteady MHD Newtonian	Bulletin of Pure and Applied Sciences	2020
29	fluid past a rotating vertical porous plate Analytical study of byoyeney affects on MHD		2020
29	Analytical study of buoyancy effects on MHD	AIP Conference Proceedings	2020
30	visco-elastic fluid past an inclined plate Convective heat transfer and mass transfer	AID Conference Proceedings	2020
30	observations of MHD Cu-water nanofluid in a	AIP Conference Proceedings	2020
	rotating system		
31	Analytical study on MHD convective non-	AIP Conference Proceedings	2020
31	Newtonian fluid flow under the influence of	An Comercial Floctedings	2020
	diffusion-thermo and heat source effects		
32	MHD double diffusive convective flow of heat	AIP Conference Proceedings	2020
32	generating fluid in the presence of Soret Effect	7 in Comerciae Proceedings	2020
33	Unsteady MHD free convective flow of a radiating	AIP Conference Proceedings	2020
	fluid past an inclined permeable plate in the	7 in Comerciae i roccounigs	2020
	presence of heat source		
34	Marangoni convection impact on magnetonano	AIP Conference Proceedings	2020
J- T	fluid in porous medium	7 in Comerciae Proceedings	2020
	mura in porous incurum		



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35	Radiation absorption and Soret effects on MHD	South East Asian Journal of	2020
	Conducting fluid flow past an exponentially	Mathematics and Mathematical	
	Accelerated vertical plate	Sciences	
36	Heat generation and chemical reaction impact on	Turkish Journal of Computer and	2021
	MHD rotating flow past a vertical porous plate	Mathematics Education	
37	Analysis of MHD nanofluid in a rotating system	Annals of the Faculty of	2021
	under the existence of heat absorption	Engineering Hunedoara -	
	r	International Journal of	
		Engineering	
38	Numerical study on the parabolic flow of MHD	Heat Transfer	2022
	fluid past a vertical plate in a porous medium		
39	Characteristics of MHD three dimensional flow of	Heat Transfer	2022
	nanofluid over a permeable stretching porous sheet		
40	Aspects of parabolic motion of MHD fluid flow	Heat Transfer	2022
	past a vertical porous plate with cross diffusion	11000 1100101	
	effects		
41	Thermal radiation impact on MHD Casson visco-	Neuro Quantology	2022
	elastic fluid under viscous dissipation	Treate Quanteregy	2022
42	MHD flow pattern in a parabolic mode based on the	Heat Transfer	2022
	angle of inclination under cross diffusion		2022
43	MHD Casson fluid flow past an upright plate under	Advances and Applications in	2022
	the impact of heat sink and chemical reaction	Mathematical Sciences	
44	Thermophoresis impact on a micropolar fluid under	Frontiers in Heat and Mass	2022
1	changeable heat flux in conducting field	Transfer	2022
45	Study on MHD Free Convection flow of a Casson	GANITA	2022
1.5	Fluid Flow Past a Vertical Porous Plate With		2022
	Uniform Boundaries		
46	Optimal scheduling methodology for machines, tool	Recent Advances in Material,	2023
	transporter and tools in a multi-machine flexible	Manufacturing, and Machine	2020
	manufacturing system	Learning (CRC Press)	
47	Parabolic form of Casson fluid flow based on angle	i-manager's Journal on	2023
	of inclination in conducting field	Mathematics	
48	Flow pattern of MHD Casson nanofluid past a	European Chemical Bulletin	2023
	porous stretching sheet – a numerical approach		
49	Study on MHD flow of micropolar fluid over a	European Chemical Bulletin	2023
'	stretching surface under the impacts of heat source		
	and chemical reaction		
50	Exact solution for an unsteady flow of radiative	BioGecko	2023
	nanofluid under the existence of heat source in	210 000110	2020
	conducting field		
51	Numerical Based Study on the Flow Pattern of	BioGecko	2023
	Casson Nano fluid under Thermo Diffusion in	Втобсеко	2023
	Conducting Field		
52	MHD Double Diffusive Radiative Jeffrey Fluid	BioGecko	2023
	near Stagnation Point Flow towards a Stretching		
	Sheet		
53	Thermophoresis and Soret-Dufour Impacts on	BioGecko	2023
	MHD Viscous Dissipative Micropolar Fluid Past an	DIO GOORO	
	Inclined Isothermal Surface		
		<u> </u>	



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54	Flow Characteristics of MHD Radiative Heat	BioGecko	2023
	Absorbing/Generating Nanofluid with Variable		
	Temperature		
55	MHD Convective Flow of Chemically Reacting	Modern Approaches in Machine	2024
	Viscoelastic Fluid Through an Infinite Inclined	Learning and Cognitive Science	
	Plate via Machine Learning		
56	MHD Flow and Heat Transfer of Carreau Fluid	Journal of Advanced Research in	2024
	With Radiation and Heat Source Effect	Numerical Heat Transfer	
57	Neural network-driven analysis of MHD boundary	Multiscale and Multidiscip.	2025
	layer flow and heat transfer in Sisko nanofluids.	Model. Exp. and Des.	

Patent Details:

Title of Patent	Submitted/Published/Awarded
Symbolic-AI Hybrid System for Solving Complex Math Problems	Published