

RESUME

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Educational Qualifications:

S.No	Degree	Branch / Specialization	Year of passing	Class obtained	University / institute
1	B.Sc.	MPC	1997	1 st	Andhra University
2	M.Sc	Applied Mathematics	1999	1 st	Andhra University
3	M.Phil		2005	2 nd	M.K. University
4	Ph.D	Fluid Mechanics	2010		Andhra University

Title of the Thesis: Secondary flow of two Immiscible liquids in a rotating annular pipe of cross section and steady Poiseuille MHD flow between two porous walls in rotating system and associated run up flow between the walls moving in opposite directions with equal velocity.

Name of the Ph.D guide: Prof.A.S.N.Murti and Prof.V.V.Ramana Rao

Teaching Experience :

S.No	Position held	Name of the institution	From	To
1	Junior Lecturer	Gayatri Junior College	17-07-2000	1-11-2001
2	Lecturer	GITAM College	1-11-2001	31-03-2004
3	Asst. Professor	S.V.P. College	28-07-2004	7-11-2005
4	Asst. Professor	GITAM	8-11-2005	10-04-2017
5	Asst.Professor	GVP College of Engineering for Women	17-04-2017	Till date

Publications:

S.No	NAME OF THE AUTHOR	TITLE OF THE PAPER	NAME OF THE JOURNAL	VOL/ISSUE/YEAR	PAGES
1	V.S.R.K.Sastry, A.S.N.Murti, S.Uma Devi, A.A.V.L.A.S.Acharyulu, T.Poorna Kantha	Radiation Effects on MHD mixed convection flow past a semi infinite vertical plate	Indian Journal of Fluids Dynamics	Vol-1, No-1, 2013	pp.81-92
2	V.S.R.K.Sastry,A.S.N.Murti, T.Poorna Kantha	The Effect of Heat Transfer on MHD Marangoni Boundary Layer Flow Past a Flat Plate in Nanofluid	International Journal of Engineering Mathematics,	vol. 2013, 2013	Article ID 581507, 6 pages
3	P.K.Kameswaran,A.S.N.Murti, T.Poorna Kantha, D.RV.S.R.K.Sastry	Effects of chemical reaction double dispersion on heat and mass transfer in non darcy non Newtonian fluid over a vertical surface	Heat Transfer Research(SCI)	43(4), 2012	363-382
4	T.Poorna Kantha A.S.N.Murti, V.V.Ramana Rao	Secondary Flow of Two Immiscible liquids in a rotating annular pipe of circular cross section	International Journal of Applied Mathematics & Statistical Sciences ISSN 2319-3972	Vol 1, Issue 2, 2012	pp: 37-49

5	A.S.N.Murti, P.K.Kameswaran, T.Poorna Kantha A.A.V.L.A.S.Achary lulu	Numerical Study on MHD Mixed convective flow with Dispersion and chemical reaction over a vertical plate in Non-Darcy porous medium	International Journal of Mathematical Archive. ISSN 2229-5046	3(2), 2012,	pp: 534-549
6	A.S.N.Murti, P.K.Kameswaran, T.Poorna Kantha A.A.V.L.A.S.Achary lulu	Analytical studies on MHD flows with viscous dissipation and the boundary layer flow over a vertical plate	International Journal of Mathematics and Scientific Computing (IJMSC) ISSN 2231-5330	Vol(1) No:2, 2011	pp7-13
7	P.K.Kameswaran,A. S.N.Murti, T.Poorna Kantha, Ramesh Kokkili gadda	Dispersion Chemical Reaction and radiation effects on Heat and Mass transfer in mixed convective flow considering Soret and Dufour effects	International Journal of Mathematical Archive. ISSN 2229-5046	3(1), 2201 ,2012,	pp: 85-98
8	A.S.N.Murti, D.R.V.S.R.K.Sastry P.K.Kameswaran, T.Poorna Kantha	Effects of Mixed convection and double dispersion on semi infinite vertical plate in presence of radiation	World Academy of Science, Engineering and Technology	Issue 60, 2011	pp: 1232-1239
9	A.S.N.Murti, P.K.Kameswaran, D.R.V.S.R.K.Sastry T.Poorna Kantha	Mixed convection , double dispersion and chemical reaction effects on heat and mass transfer in non-Darcy flow over a vertical surface	Journal of ACTA CIENCIA INDICA. ISSN:0970-0455	Vol. XXXVII M , No.2,2011	pp. 385-394
10	D.V.V.S.R.K.Sastry, A.S.N.Murti, P.K.Kameswaran, T.Poorna Kantha	Mixed convection effects on heat and mass transfer in a nonNewtonian fluid with chemicalreaction over a vertical plate	Theoretical and Applied Mechanics Letters Co-Published by American Institute of Physics.	042007 ,2011	
11	P.K.Kameswaran,A. S.N.Murti, T.Poorna Kantha, D.V.V.S.R.K.Sastry	Double dispersion, Chemical reaction, Radiation effects on heat and mass transfer in non-Darcy free convective flow over a vertical surface	International Journal of Applied Mathematics & Engineering Sciences. ISSN: 0973-5275	Vol. 5, No.1, 2011	pp. 95-106
12	A.S.N.Murti, P.K.Kameswaran, T.Poorna Kantha	Radiation chemical reaction , double dispersion effects on heat and mass transfer in non-Newtonian fluids	International Journal of Engineering ISSN: 1985-2312	Vol. 4, No.1, 2010	pp.13-25

Papers Presented in Conferences

S.No	NAME OF THE AUTHOR	TITLE OF THE PAPER	NAME OF THE CONFERENCE	PAGE NOs	YEAR
1	A.S.N.Murti, T.Poorna Kantha	Secondary flow of two Immiscible liquids in a rotating annular pipe of circular cross section	51 st Congress of ISTAM Andhra University College of Engineering, Visakhapatnam		December 2006
2	P.K.Kameswaran, A.S.N.Murti, T.Poorna Kantha	Effect of Radiation, Chemical reaction and double dispersion on heat and mass transfer in non-Darcy free convective flow	ASME 2009 International Mechanical Engineering Congress & Exposition IMECE 2009 November 13- 19, Lake Buena Vista, Florida, USA.	Paper No. IMECE 2009-12734, pp. 681-690, 2009. ISBN: 978-07918- 4382-6	November 2009
3	A.S.N.Murti, P.K.Kameswaran, D.R.V.S.R.K.Sastry T.Poorna Kantha	Mixed Convection Effects on Non Darcy Fluid Flows Over A Vertical Surface	55 th Congress of ISTAM National Institute of technology, Hamipur.	pp.71-78	December 2010
4	A.S.N.Murti, D.R.V.S.R.K.Sastry P.K.Kameswaran, T.Poorna Kantha	Radiation and Double Dispersion Effects in a Mixed Convective Non-Newtonian Fluid over a Vertical Plate	National Conference on Applications of Mathematics in Engineering Sciences (NCAMES-2011) June 29 th - 30 th , 2011	pp.42-46 ISBN:978-81 909853-0-7	June 2011
5	A.S.N.Murti, P.K.Kameswaran, T.Poorna Kantha, Ramesh Kokiiligadda	Effects of Chemical reaction and Radiation on Heat and Mass Transfer in Mixed Convective Flow considering Soret and Dufour effects over a Vertical surface.	National Conference on Applications of Mathematics in Engineering Sciences (NCAMES-2011) June 29 th - 30 th , 2011	pp.24-27 ISBN:978-81 909853-0-7	June 2011
6	T.Poorna Kantha,	Flow of Two Immiscible liquids in annular region	International Conference on Recent Advances in Mathematical Sciences and Applications(RAMSA 17), 19 th -22 nd December 2017, GVP College of Engineering, Visakhapatnam		December 2017
7	T.Poorna Kantha,	Two Immiscible liquids flow in an annular region	National Conference on Recent Advances and Applications in Mathematics- NCRAAM- 2019		February 2019

Participation in Workshops

S.No	Workshop/Short term course	Topic	Institute	Dates
1	Short term Course	Numerical Methods in Fluids, Acoustics and Electromagnetics, NMFAEM	Department of Marine Engineering, College of Engineering, Andhra University, Visakhapatnam	17 th -21 st July, 2006
2	Quality Improvement Programme by NITTTR	Staff Development programme on Industrial Design and Delivery Syatem	GITAM Institute of Technology, GITAM University	15 th – 20 th December, 2008
3	Two day National Workshop	Mathematical Techniques and their Applications to Engineering and Physical Problems	Department of Science and Humanities, MVGR College of Engineering, Vizianagaram	23 rd - 24 th May, 2008
4	One day National Workshop	New Paradigms of Mathematical Modeling and its Applications to Engineering & Technology	Department of Basic Sciences & Humanities and Social Sciences, JNTUK University College of Engineering , Vizianagaram	27 th March, 2014
5	Workshop	Introduction to Mathematical Theory of Complex Fluids	NIT, Kurukshetra	17 th – 22 nd November, 2017

NPTEL/MOOKS COURSES COMPLETED

1) Completed NPTEL course in **Calculus of Several Variables** during August- October 2019.

Dr.T.POORNA KANTHA