Profile

Name of the Faculty	Dr. G. Srinivas
Designation	Professor
Department	Freshman Engineering
Area of Interest	Mathematical Modelling
Subjects Taught	BEM, MVC, TCV, LR-2
JNTUH Registration Id	77150404-004302
College Staff Code	SC1864
Official Mail	drgsrinivas.fe@gcet.edu.in

Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1	Ph.D	Convective Heat Transfer	Sri Krishnadevaraya University	2006
2	M. Phil	Convective Heat Transfer	Sri Krishnadevaraya University	2003
3	M. Sc.	Applied Mathematics	Sri Krishnadevaraya University	1998
4	B. Sc.	Maths, Physics, Chemistry	SSBN Degree College	1993

Publications Details :

Sl.No	Title	Authors	Journal	Year
1	Triangular Groove Effect on Heat and Mass Transfer of CuO-Water Nanofluid Through a Square Channel	**Lavanya Baradi, G. Srinivas, Suresh Babu. B**	International Journal of Applied Computation Mathematics	**2025**
2	Multi-physical analysis of heat and mass transfer in vertical channel with variable viscosity, thermal conductivity and thermal slip phenomena	Vanaja Gosty,Dr G Srinivas, B Suresh Babu	Journal of Naval architecture and Marine Engineering	**2024**
3	SLIP efects on heat and mass transfer through CuO-water nanofuid in a horizontal channel heated at center	Gosty, Vanaja; Srinivas, G; Babu, B Suresh;	Journal of Thermal Analysis and Calorimetry	**2024**
4	Influence of variable viscosity and slip on heat and mass transfer of immiscible fluids in a vertical channel	Gosty, Vanaja; Srinivas, G; Babu, B Suresh; Goud, B Shankar; Hendy, Ahmed S; Ali, Mohamed R;	Case Studies in Thermal Engineering	2024
5	Numerical investigation of slip effects on heat and mass transfer in a vertical channel with immiscible micropolar and viscous fluids of variable viscosity	Gosty, Vanaja; Srinivas, Gosukonda; Suresh Babu, Baluguri;	Heat Transfer	2024
6	Multiple Slip Effects of Boundary Layer Maxwell-Nanofluid Flow Past a Stretching Sheet: Magnetic Field and Cross Diffusion Effects	Hassan, Khaja; VijayaKumar, R; Srinivas, G;	Journal of Nanofluids	2023
7	Numerical solution of MHD free convective Jeffrey fluid of variable viscosity with chemical reaction and heat source	Babu, Baluguri Suresh; Santhosh, Kasula; Kumari, Ganji Vanaja; Srinivas, Gosukonda;	Materials Today: Proceedings	2022
8	Heat and mass transfer flow of nano-fluid over a stretching sheet with chemical reactions	Srikanth, GVPN; Srinivas, G; Babu, B Suresh; Srilatha, R;	AIP Conference Proceedings	2020
9	Free and Forced Convective Heat Transfer through a Nanofluid with Two Dimensions past Stretching Vertical Plate	Sailaja, B; Srinivas, G; Babu, B Suresh;	Int. J. Thermofluid Science and Technology	2020
10	Viscous Dissipation Effect on Heat Transfer Through Nano Fluid in a Vertical Wavy Channel with Travelling Thermal Wave	Ramana, Paladugu Venkata; Srinivas, Gosukonda; Srikanth, GVPN;	Diffusion Foundations	2020

11	Convective heat and mass transfer of two fluids in a vertical channel	Baluguri, Suresh Babu; Srinivas, G;	Finite Element Methods and Their Applications	2020
12	FREE AND FORCED CONVECTIVE HEAT TRANSFER THROUGH A NANOFLUID IN TWO DIMENSIONS PAST MOVING VERTICAL PLATE.	Sailaja, B; Srinivas, G; Babu, B Suresh; Kumar, G Kiran;	South East Asian Journal of Mathematics & Mathematical Sciences	2020
13	Finite element study of convective heat and mass transfer of two fluids in a vertical channel of variable width with Soret and Dufour effects	Suresh Babu, B; Srinivas, G; Srikanth, GVPN;	Numerical Heat Transfer and Fluid Flow: Select Proceedings of NHTFF 2018	2019
14	Effects of viscosity, thermal conductivity, and heat source on MHD convective heat transfer in a vertical channel with thermal slip condition	Kiran Kumar, G; Srinivas, G; Babu, B Suresh;	Recent Trends in Wave Mechanics and Vibrations: Select Proceedings of WMVC 2018	2019
15	Effects of Variable Viscosity and Thermal Conductivity on MHD Convective Heat Transfer of Immiscible fluids with Heat Source	Kumar, G Kiran; Srinivas, G; Babu, B Suresh;	Momentum	2019
16	Mass transfer effects on MHD flow through porous medium past an exponentially accelerated inclined plate with variable temperature and thermal radiation	Goud, B Shankar; Babu, B Suresh; Shekar, MN Raja; Srinivas, G;	International journal of thermofluid science and technology	2019
17	Particle Size and Spacing Effects on Convective Heat and Mass Transfer of a Nanofluid in Wavy Annulus	Srikanth Gorti, VPN; Gosukonda, Srinivas;	Applications of Fluid Dynamics: Proceedings of ICAFD 2016	2018
18	Unsteady Heat and Mass Transfer Flow of Cu-Water Nano-Fluid over an Inclined Plate with Free Convection and Chemical Reactions	Srikanth, GVPN; Srinivas, G; Kumar, V Ganesh; Aparna, P; Babu, B Suresh;	International Journal of Pure and Applied Mathematics	2018
19	Heat transfer through Nano fluid in a vertical wavy channel with travelling Thermal waves	Venkataramana, P; Ranganayakulu, SV; Srinivas, G;	International Journal of Mathematics Trends and Technology-IJMTT	2018
20	Finite element analysis of diffusion effects on convective heat and the mass transfer of two fluids in a vertical channel	Babu, B Suresh; Srinivas, G; Srikanth, GVPN;	International Journal of Automotive and Mechanical Engineering	2017
21	FEA of heat transfer with heat sources and viscous dissipation under convective boundary conditions	G. Srinivas, GVPN Srikanth, B. Suresh Babu;	International Journal of Multidisciplinary Research and Modern Education	2017
22	The convective heat and mass transfer of nano fluid past a permeable inclined oscillating flat plate	GVPN Srikant, Raja Sekhar Gorthi, G. Srinivas;	International Journal of Multidisciplinary Research and Modern Education	2016
23	Inter particle spacing effects on convective heat and mass transfer through a nano-fluid in horizontal cylindrical annulus	GVPN Srikanth, G. Srinivas;	International Journal of Multidisciplinary Research and Modern Education	2016
24	Characterization of chemical reaction on heat transfer through the nano fluid	Srikanth, GVPN; Srinivas, G; Babu, B Suresh;	Procedia Materials Science	2015
25	Nano-Particle Size and Inter Particle Spacing Effects on Convective Heat And Mass Transfer Past A Permeable Inclined Oscillating Stretching Sheet	Srikanth, GVPN; Srinivas, G; Devi, B Tulasi Lakshmi; Babu, B	Global Academic Research Journal	2015

		Suresh;		
26	Particle spacing and chemical reaction effects on convective heat transfer through a nano-fluid in cylindrical annulus	Gosukonda, Srinivas; Gorti, VPN Srikanth; Baluguri, Suresh Babu; Sakam, Sreenatha Reddy;	Procedia Engineering	2015
27	Finite Element Analysis of Convective Heat Transfer of Micropolar and Viscous Fluids in a Vertical Channel with Variable Width	B Suresh Babu, G Srinivas, GVPN Srikanth;	International Journal of Mathematics Trends and Technology	2015
28	Effect of oppositely moving plates on convective heat and mass transfer through two immiscible fluids- FEA	BABU, B SURESH; SRINIVAS, G; SRIKANTH, GVPN;	International journal of mechanical and production engineering research and development	2015
29	The convective heat transfer of nano-fluid past a permeable oscillating stretching sheet	G. Srinivas, GVPN Srikanth;	ACME International Multidisciplinary Research Journal	2015
30	Heat and Mass Transfer through a Porous Medium in a Vertical Channel with Chemical Reaction and Heat Source	Reddy, B Srinivasa; Devi, B Tulasi Lakshmi; Srikanth, GVPN; Srinivas, G;	International Journal of Ethics in Engineering & Management Education	2014
31	Effect of Particle Size on Convective Heat Transfer in Cylindrical Annulus through Nano Fluid	Srikanth, GVPN; Srinivas, G; Reddy, S Sreenatha; Mamatha, N;	International Journal of Ethics in Engineering & Management Education	2014
32	Chemical Reaction and Particle Size Effects on Convective Heat and Mass Transfer Through a Nano Fluid	Srikanth, GVPN; Srinivas, G;	International journal of science and research	2014
33	RADIATION EFFECTS ON HEAT AND MASS TRANSFER OF A MHD NANO FLUID	Srikanth, GVPN; Srinivas, G; Devi, B Tulasi Lakshmi; Reddy, S Sreenatha;	International Journal of Research in Engineering and Technology	2014
34	Finite element analysis of convective micro polar fluid flow through a porous medium in cylindrical annulus	Devi, B Tulasi Lakshmi; Reddy, B Srinivasa; Srikanth, GVPN; Srinivas, G;	Journal of porous media	2014
35	Heat Source Effects in Heat and Mass Transfer Of Nano Fluid Flow past a Sheet	Srikanth, GVPN; Babu, B Suresh; Srinivas, G;	International Journal of Modern Engineering Research	2014
36	Heat and Mass Transfer of a MHD Nano Fluid with Chemical Reaction Effects	Srikanth, GVPN; Babu, B Suresh; Srinivas, Dr G;	International Journal of Mechanical And Production Engineering	2014
37	Heat and mass transfer of a MHD nanofluid with chemical reaction effects	Srikanth, GVPN; Babu, B Suresh; Srinivas, G;	International Journal of Mechanical and Production Engineering	2014

38	MHD convective heat transfer of a nanofluid flow past an inclined permeable plate with heat source and radiation	Srikanth, GVPN; Srinivas, G; Reddy, BRK;	International Journal of Physics and Mathematical Sciences	2013
39	Finite element analysis of free convection flow with MHD micropolar and viscous fluids in a vertical channel with dissipative effects	Srinivas, G; Reddy, BRK;	Journal of Naval Architecture and Marine Engineering	2011
40	Finite Element Analysis of Thermo-Diffusion and Diffusion-Thermo Effects on Convective Heat and Mass Transfer Flow Through a Porous Medium in Cylindrical Annulus in the Presence of Constant Heat Source	Reddy, P Sudarsan; Rao, D; Mamatha, E; Srinivas, G;	International journal of applied mathematics and mechanics	2010
41	Non-Darcy mixed convective heat and mass transfer flow of a viscous electrically conducting fluid through a porous medium in a circular annulus in the presence of temperature gradient heat sources with Soret and Dufour effects--a finite element study	Reddy, P Sudarsan; Srinivas, G; Rao, P Sreenivasa; Rao, Prasada DRV;	International Journal of Computational and Applied Mathematics	2010
42	Heat and mass transfer in a viscous heat generating fluid through a porous medium in a circular duct	Sivaiah, S; Srinivas, G; Rao, DRVP;	ACTA CIENCIA INDICA MATHEMATICS	2007
43	Finite element analysis of MHD free convective flow through a porous medium in a vertical channel	Srinivas, G; Sivaiah, S; Rao, DRVP;	ACTA CIENCIA INDICA MATHEMATICS	2007
44	Magnetohydrodynamic convective flow and heat transfer of a viscous heat generating fluid through a rectangular duct	Srinivas, G; Sivaiah, S; Rao, DRVP;	ACTA CIENCIA INDICA MATHEMATICS	2007
45	Finite element analysis of the convective flow and heat transfer in a duct of isosceles triangular cross section	Srinivas, G; Sivaiah, S; Rao, DRVP;	ACTA CIENCIA INDICA MATHEMATICS	2006
46	Thermo-diffusion effect on mixed convective heat and mass transfer through a porous medium in a horizontal channel	Sivaiah, S; Srinivas, G; Rao, DRVP;	ACTA CIENCIA INDICA MATHEMATICS	2006
47	Convective flow through a porous medium in an elliptic duct with dissipative effects	Srinivas, G; Sivaiah, S; Rao, DRVP;	ACTA CIENCIA INDICA MATHEMATICS	2006
48	FINITE ELEMENT ANALYSIS OF CONVECTIVE HEAT AND MASS TRANSFER OF TWO FLUIDS IN A VERTICAL CHANNEL OF VARIABLE WIDTH WITH DIFFUSION EFFECTS	BABU, B SURESH; SRINIVAS, G; SRIKANTH, GVPN;	Proceedings of 61st Congress of ISTAM	2016
49	CHARACTERIZATION OF NANO-PARTICLE SIZE IN CONVECTIVE HEAT TRANSFER THROUGH A CYLINDRICAL ANNULUS	Srikanth, GVPN; Srinivas, G; Devi, B Tulasi Lakshmi;	International Journal of Advance Research In Science And Engineering	2015
50	EFFECTS OF VARIABLE VISCOSITY AND THERMAL CONDUCTIVITY ON MHD CONVECTIVE HEAT TRANSFER OF IMMISCIBLE FLUIDS IN A VERTICAL CHANNEL	Kumar, G Kiran; Srinivas, G; Babu, B Suresh; Srikanth, GVPN;	INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES & RESEARCH TECHNOLOGY	2018
51	HEAT TRANSFER OF CU-WATER NANO-FLUID ALONG INCLINED FLAT PLATE WITH RADIATION AND PARTICLE SIZE	Sivaiah, S; Devi, B Tulasi Lakshmi; Srinivas, G;	International Journal of Mechanical Engineering and Technology	2016

		Srikanth, GVPN;		
52	Diffusion-Thermo Effect on a Free Combined MHD Flowwith Mass Diffusion and Temperature Variationpast an Inclined Oscillating Plate	Kumar, E Ranjit; Goud, B Shankar; Babu, B Suresh; Srinivas, G;	International Journal of Recent Technology and Engineering	2019
53	THROUGH A NANOFLUID IN TWO DIMENSIONS PAST MOVING VERTICAL PLATE	Sailaja, B; Srinivas, G; Babu, B Suresh; Kumar, G Kiran;	South East Asian Journal of Mathematics & Mathematical Sciences	2020
54	MAXWELL-NANOFLUID FLOW, HEAT AND MASS TRANSFER PAST A STRETCHING SHEET WITH MULTIPLE SLIP, HEAT SOURCE AND CHEMICAL REACTION EFFECTS USING FEM	Khaja Hassan , R. Vijaya Kumar and G. Srinivas	ARPN Journal of Engineering and Applied Sciences	2023
55	Maxwell Nano-Fluid Flow, Heat and Mass Transfer Effects in a Vertical Wavy Channel with Multiple Slip	Hassan, Khaja; VijayaKumar, R; Srinivas, G;	ZKG International	2023
56	Finite element analysis of convective heat transfer through a porous medium in an elliptic duct	Srinivas, G;	Shodhganga	2003

Experience:

Teaching	19 years
Industry	----
Research	5 years
Total Experience	24 years