

DEPARTMENT OF PG STUDIES AND RESEARCH IN MATHEMATICS

Paper Publication Details-2024-25

S l. N o.	Name of Author/s T	Title of the Paper	Name of the Journal	Year of Publi cation	ISSN	Paper web link
1	Shreedevi Kalyan, Indrajeerreddy, Hussain Soliman	Impact of Casson Fluid on Magneto Hydrodynamical Multifluid Flow Under the Influence of Chemical Reaction	International Journal of Applied and Computational Mathematics	2025	DOI : 10.1007/s40819-025-01930-w	https://link.springer.com/journal/40819/updates
2	Shreedevi Kalyan and Indrajeerreddy	Magneto hydrodynamic flow of Electrically Conducting through a Porous Medium in Vertical Channel	South Asian Review	2025	ISSN: 0275-9527 E-ISSN: 2573-9476	doiglobal.org/doi/10.2025/67bdd445df6c6
3	R Sumithra1 , Archana MA1 , Manjunatha N2 , Raksha. B. E1 ., Sowjanya. H. S1 , Shreedevi Kalyan3 and Vijaya Kumar4	TWO COMPONENT DARCY-BENARD-MARANGONI CONVECTION IN A COMPOSITE LAYER WITH SALINITY GRADIENTS AND VARIABLE HEAT SOURCES	South Asian Review	2025	ISSN: 0275-9527 E-ISSN: 2573-9476	doiglobal.org/doi/10.2025/67bdd502a1db
4	1 Shreedevi Kalyan, 2Hussein Abdallah Soliman and 3Manjunatha N	Mixed Convective Flow in Porous Matrices with Heat Generation/Absorption	South Asian Review	2025	ISSN: 0275-9527 E-ISSN: 2573-9476 Vol. 4, Issue 2, February 2025 © South Asian Review 268	doiglobal.org/doi/10.2025/67bdd56ea9a7d
5	Shreedevi Kalyan and Yamanappa Gudagi	Two Phase Nano Fluid Flow Analysis in Vertical Channel	South Asian Review	2025	ISSN: 0275-9527 E-ISSN: 2573-9476 Vol. 4, Issue 2, February 2025 © South Asian Review 291	doiglobal.org/doi/10.2025/67bdd5954a0df
6	Sumithra R1 , Archana M. A1 ., Manjunatha N2 , Shreedevi Kalyan3 and	Stability Analysis of Darcy-Bénard-Magneto-Marangoni Convective flow with Heat Generation:Two-	South Asian Review	2025	ISSN: 2573-9476	doiglobal.org/doi/10.2025/67bdd5e0e3428 doiglobal.org/doi/10.2025/67bdd5e0e3428

	Vijaya Kumar4	Layer Configuration				
7	Ch. Pushapalata1 , Ch. Kisore Kumar2 , B. Shankar3 , Shreedevi Kalyan4	Numerical Simulation for MHD Darcy-Forchheimer 3-D Stagnation Point Flow by a Rotating Disk with Thermal Radiation, Chemical Reation And Parial Slips Effects	South Asian Review	2025	ISSN: 0275-9527 E-ISSN: 2573-9476	doiglobal.org/doilink /10.2025/67bdd6490 296d
8	Shekar M1*, Mahadev M. Channakote2 , Shreedevi Kalyan3 and Vinay M.S.2	Convectiveflow of nanofluidin a vertical channel with general boundary conditions	South Asian Review	2025	ISSN: 0275-9527 E-ISSN: 2573-9476	doiglobal.org/doilink /10.2025/67bdd6b97 d299
9	1Mangala Kandagal, 2 Shreedevi Kalyan, 3 Saraswathi and 4Ramesh Kempepatil	Flow and heat transfer of porous medium with nanofluid in the presence of heat generation/absorptio n.	South Asian Review	2025	ISSN: 0275-9527 E-ISSN: 2573-9476	doiglobal.org/doilink /10.2025/67bdd6ddd bcd1
10	Shreedevi Kalyan, Bhagyajyoti B, and Veena P H.	Flow analysis in a magnetic field filled in a vertical channel	South Asian Review	2025	ISSN: 0275-9527 E-ISSN: 2573-9476	doiglobal.org/doilink /10.2025/67bdd6ff60 b1d
11	Shreedevi kalyan,Hussein Abd Allah soliman	Analysis of Micropolar Immiscible fluid on Electrically conducting free convective flow in a vertical channel in the presence of chemical reaction	Internatio nal Journal of Advanced Engineeri ng And Business science(IJ AEBS)	2024	DOI: 10.21608/IJAE BS.2021.1664 38.	https://doi.org/10.21 608/ijaeb.2024.273 140.1093
12	Jyothi veeresh and shreedevi kalyan	Analysis of magnetohydrodyna mic fluid flow	Petroleum and Chemical Industry Internatio nal	2024	ISSN: 2639-7536	https://www.opastpu blishers.com/open-access-articles/analysis-of-magnetohydrodyna mic-fluid-flow.pdf
13	Ambika and shridevi kalyan	A Study note on Mathematical modelling of ship stability	Petroleum and Chemical Industry Internatio nal	2024	ISSN: 2639-7536	https://www.opastpu blishers.com/open-access-articles/a-study-note-on-mathematical-modelling-of-ship-stability.pdf
14	Saraswathi.shri devi kalyan,Mahant esh M N	Mathematical modelling to Analyse the Spread of Infectious Disease of covid-19 and Aids	Petroleum and Chemical Industry Internatio nal	2024	ISSN: 2639-7536	https://www.opastpu blishers.com/search- results.php

15	Madhu J, Shreedevi kalyan, Yamana ppa Gudagi, Varun kumar R S, Raman Kumar & S. Sureshkumar	Fluid sustainability by the effect of microrotational flow and chemical reactions in a vertical channel	International journal of modelling and simulation	2024	10.1080/02286203.2024.2319008	https://www.tandfonline.com/doi/full/10.1080/02286203.2024.2319008
16	K. Shreedevi, Yamana ppa, C Siddabasappa . S. Sindhu"	Effect of Magneto convection Nanofluid in a vertical channel	International journal appl. Comput. math	2024	https://doi.org/10.1007/s40819-024-01709-5	https://link.springer.com/article/10.1007/s40819-024-01709-5
17	G.T. Gitte, Shridevi Kalyan, H. Saraswati, Vinod Kulkarni, Mohammed Jameel, Jagadish Tawade, Nitiraj Kulkarni, Barno Abdullaeva, Refka Ghodhbani, M. Waqas	Thermal and solutal performance analysis featuring fully developed chemically reacting micro-rotational concentration convective flow in an open-ended vertical channel	Case Studies in Thermal Engineering	2024	DOI: 10.1016/j.csite.2024.105603	https://www.sciencedirect.com/science/article/pii/S2214157X24016344
18	Shreedevi Kalyan	Study Report on Applications of complex Number and Conformal Mapping	Journal of clinical Epidemiology and public Health	2024	DOI : doi.org/10.63620/MKJCEPH.2024.1020	https://mkscienceset.com/articles_file/160-article1746690021.pdf
Paper Publication Details-2023-24						
19	Shreedevi Kalyan 1, Ashwini Sharan2, and Ali J. chamka	Effect of Jeffrey Fluid Flow and First Order Chemical Reaction on MagnetoConvection of Immiscible Fluids in a Perpendicular Passage	Petroleum and Chemical Industry International	2023	10.21203/rs.3.rs-2420853/v1ISSN: 2639-7536	https://www.opastpublishers.com/open-access-articles/effect-of-jeffrey-fluid-flow-and-first-order-chemical-reaction-on-magneto-convection-of-immiscible-fluids-in-a-perpendic.pdf
20	Saraswathi h,	Effect of Electrically conducting Magneto	Int. J. Mod.	2023		Int. J. Mod. Phys. B (IJMPB)

	Shreedevi K, Ali J Chamkha	convective Jeffrey immiscible fluid flows in presence of chemical reaction in vertical channel	Phys. B (IJMPB)			
21	Saraswathi h, Shreedevi K, Ali J Chamkha	Steady of thermal and concentraion Effect on a fully developed Jeffrey fluid with Baffle in a vartical passage	Journal of nanofluids	2023	DOI: https://doi.org/10.1166/jon.2023.2001	https://www.ingentaconnect.com/contentone/asp/jon/2023/0000012/00000002/article/00004
22	Shreedevi Kalyanl*, Jumanne Mng'ang'a2	Steady Jeffery fluid through Porous Media in the Presence of a baffle in a vertical channel	Journal of Nanofluids	2023	DOI: https://doi.org/10.1166/jon.2023.2047	https://www.ingentaconnect.com/search;jsessionid=1bd4i6frqulmt.x-ic-live-01?form_name=quicksearch&ie=%E0%A5%B0&option1=tka&value1=Steady+Jeffery+fluid+through+Porous+Media+in+the+Presence+of+a+baffle+in+a+vertical+channel
23	Shreedevi Kalyan*, Mangala Kandagal	Numerical Study of electrically conducting MHD fluids in a channel with Jeffrey fluid flow and first-order chemical reaction	Thermal science and Engineering	2023	https://doi.org/10.24294/tse.v6i2.3968	https://systems.enpress-publisher.com/index.php/TSE/article/view/3968
24	Shreedevi Kalyanl*, Saraswathi H2	Magneto-hydrodynamic Effect on Mixed Convection in a Vertical Channel Presence of Internal Heat Generation/Absorption	European Chemical Bulletin	2022	https://doi.org/10.48047/ECB/2023.12.SI4.446	https://www.academia.edu/105504621/Magneto_hydrodynamic_Effect_on_Mixed_Convection_in_a_Vertical_Channel_Presence_of_Internal_Heat_Generation_Absorption
25	K. Thanesh Kumar, Shreedevi Kalyan, Mangala Kandagal, Jagadish V Tawade, Umair Khan, Sayed M. Eldin, Jasgurpreet Singh Chohan,	IMPACT OF MAGNETIC FIELD ON JEFFERY FLUID FLOW WITH BAFFLE	Eur. Chem. Bull	2022	DOI: 10.31838/ecb/2023.12.s3.608,	https://www.academia.edu/105504383/IMPACT_OF_MAGNETIC_FIELD_ON_JEFFERY_FLUID_FLOW_WITH_BAFFLE

	Samia Elattar, Ahmed M. Abed					
26	Yamana ppa Gudagi and *Shreedevi Kalyan,	Influence of heat generation/absorption on mixed convection flow field with porous matrix in a vertical channel	Case Studies in Thermal Engineering	2021	https://doi.org/10.1016/j.csite.2023.103049	https://www.sciencedirect.com/science/article/pii/S2214157X23003556?via=ihub
27	Shreedevi Kalyan 1, Ashwin i Sharan2 , and Ali J. chamka	Effect of heat and mass transfer positions on forced convection with porous medium Utilizing nanofluid in a vertical channel.	GRADIVA REVIEW JOURNAL	2021	ISSN NO : 0363-8057, DOI:10.37897.GRJ.2021.V7I11.21.49825	https://drive.google.com/file/d/1LK1Bp2inpQ_0gCjt9Mp2diMnQ10Lyny6/view
28	Shreedevi Kalyan* , Mangala Kandagal	Heat and mass transfer of two immiscible flows of jeffrey fluid in vertical channel	Heat Transfer asian research	2021	DOI:10.1002/htj.22694	https://onlinelibrary.wiley.com/doi/10.1002/htj.22694
29	Shreedevi Kalyan *, Mangala Kandagal	Effect of Multifluid Flow for Internal Heat Generation or Absorption in Presence of Concentration in a Vertical Channel	International Journal of Scientific Research & Engineering Trends	2020	ISSN (Online): 2395-566X	https://ijsret.com/wp-content/uploads/2021/03/IJSRET_V7_issue2_266.pdf
30	Shreedevi Kalyan 1#, Ashwin i Sharan2 , Jyothi S3 ,	Effect of two immiscible multifluid flow on internal heat generation or absorption in a vertical channel in the pressence of concentration	Heat Transfer Asian Research wiley	2020	DOI:10.1002/htj.22238	https://onlinelibrary.wiley.com/doi/10.1002/htj.22238
31	Shreedevi Kalyan, Y. Ramarao, S. Jyothi	Effect of material Parameter on Mixed convective fully developed Micropolar Fluid Flow in a Vertical Channel.	Heat Transfer Asian Research	2019	https://doi.org/10.1002/htj.22152	https://onlinelibrary.wiley.com/doi/10.1002/htj.22152

3 2	Shreede vi Kalyan and Ashwini Sharan	Effect of chemical reaction of first order and microrotation on fluid flow in a vertical channel	Internati onal Journal of Mechani cal and Producti on Enginee ring Researc h and Develop ment (IJMPE RD)	2019	ISSN(P): 2249– 6890; ISSN(E): 2249–8001	https://tjprc.org/conference-archives/
3 3	Shreede vi Kalyan and Ramesh Kempep atil	Effect of Vortex Viscosity and Mass Grashoff Number on Fully Developed Micropolar Fluid in a Vertical Channel	Journal of Xidian Universi ty	2019	ISSN No:1001- 2400	URL : http://journal.xidian.edu.cn/xdxb/EN/1001-2400/home.shtml
3 4	Shreede vi Kalyan and Ramesh Kempep atil	Some Concepts in Numerical Method for solving Non- Linear Equations	Journal of Applied Science and Comput ations	2018	ISSN NO: 1076- 5131	DOI:16.10089.JA SC.2018.V6I2.45345 9.1500992
3 5	Shreede vi Kalyan ; Ashwini Sharan ; Ramakri shna Metri	Note on advanced labelling and Fibonacci Graceful graphs	Pramana Researc h Journal	2015	ISSN NO: 2249- 2976	https://www.researchgate.net/publication/344375840_NOTE_ON_ADVANCED_LABELLING_AND_FIBONACCI_GRAACEFUL_GRAPH
3 6	Kalyan, Shreede vi; Ramara o, Y; Patial Mallikar jun, B	Note on Eenergy Transfer of Jeffrey Fluid Flow on mixed Convection in Presence of Chemical Reaction Parameter	Internati onal Journal of Advanc ed Science and Technol ogy	2015	ISSN: 2005-4238	https://www.researchgate.net/publication/381408714_Note_on_Energy_Transfer_of_Jeffrey_Fluid_Flow_on_Mixed_Convection_in_Prasence_of_Chemical_Reaction_Parameter
3 7	Kumar, J Prathap; Umavatt hi, JC; Kalyan, Shreede vi	Effect of First Order Chemical Reaction on Fully Developed Natural Convection of Micropolar Fluid in a Vertical Channel	Journal of applied science and computa tions (JASC)	2015	ISSN:1076-5131	https://j-asc.com/index.php/volume-5-issue-12-december-2018/
3 8	J Prathap Kumar; Umavatt	Free Convective Flow of Electrically Conducting and Viscous Immiscible Fluid Flow in a Vertical Channel in the	Heat Transfer Asian Researc	2014	https://doi.org/10.1002/htj.21142	https://onlinelibrary.wiley.com/doi/10.1002/htj.21142

	hi, Jawali C; Shreede vi Kalyan	Presence of First-Order Chemical	h			
3 9	Kumar, J Prathap; Umavat hi, JC; Kalyan, Shreede vi	Effect of chemical reaction on mixed convective flow in a vertical channel containing porous and fluid layers	Journal of Porous Media	2023	ISSN:1043-1058	DOI: 10.1615/JPorMedia. v20.i11.80
4 0	Prathap Kumar, J; Umavat hi, JC; Shreede vi, Kalyan	Free convective flow of immiscible permeable fluids in a vertical channel with first order chemical reaction	Internati onal Researc h Journal of Enginee ring and Technol ogy (IRJET)	2023	ISSN: 2395-0056	https://www.irjet.net/ archives/V2/i2/Irjet- v2i2156.pdf
4 1	Prathap Kumar, J; Umavat hi, JC; Shreede vi, Kalyan	Chemical Reaction Effects on Mixed Convection Flow of Two Immiscible Viscous Fluids in a Vertical Channel,	Open Journal of Heat, Mass and Moment um Transfer		DOI: 10.12966/hmmt.0 4.02.2014.	https://www.science gate.app/search#201 9837e-e64d-4de5- 8a5e- 342fc58396d6/10/0

Books Published in 2023-24

	BOOKS	ISBN
Book- 1Dr.Shreede vi Kalyan Guragol	Kg to Pg Maths Formulas https://www. dreambookp ublishing.co m/product/k g-to-pg- maths- formulas/	13:978-9999310031,10:9999310036
Book- 2Dr.Shreede vi Kalyan mangala K	Heat generation/ab sorption phenomena on fluid flow	