Malnad College of Engineering, Hassan



(An Autonomous Institute, Affiliated to V.T.U, Belagavi

Faculty Biodata

GENERALINFORMATION AND ACADEMIC BACKGROUND

PART-A

1.	Name(in BlockLetters)	Dr.ROOPA G.S
2.	Qualification	M.Sc., B.Ed., Ph.D.,
3.	Date of joining the service at MCE	20/08/2018
4.	Department	Mathematics
5.	Current Designation & Experience in MCE	Assistant Professor & 5 years
6.	Teaching Experience:P.G. (in Years):U.G. (in Years):	U.G - 0.6 yrs
	Research Experience (in	Years)
7.	 a) Total Number of years b) Years spent in M. Phil. / Ph.D. c) Years of Guiding Ph.D. / M. Phil. d) Total No. of papers Published in i. International Journals e) Total No. of Conferences/ Seminar/Workshop Attended i. International ii. National 	10 years 3 years 2 years 15 03 25
8.	Awards /Prizes/ Honor's / Recognitions	Nil
9.	Fields of Specialization under the Subject / Discipline	Fluid mechanics
10.	Orientation/Refresher Course/Summer School / Winter School/Workshops attended:	02

.<u>PART-B</u>

1. List of Publications:

Sl. No.	Title	Name of the Journal, Vol. No., Year	ISSN/ISBN/Number
1.	Electromagnetic radiation and convective slippery stipulation influence in viscous second grade nanofluid through penetrable material	ZAMM (Journal of Applied mathematics and mechanics), (2022), Pp. 1521-4001	1521-4001
2.	3D flow of hybrid nanomaterial through a circular cylinder: Saddle and Nodal Point Aspects	Mathematics, Vol.10(7), (2022), Pp. 1185	2227-7390
3.	Hybrid (ND-Co ₃ O ₄ /EG) nanoliquid through a permeable cylinder under homogeneous- heterogeneous reactions and slip effects	Journal of Thermal Analysis and Calorimetry, Vol. 146, (2021), Pp. 1347-1357	1388-6150
4.	Significance of aluminium alloys particle flow through a parallel plates with activation energy and chemical reaction	Journal of Thermal Analysis and Calorimetry, Vol. 147, (2022), Pp. 6971-6981,	1388-6150
5.	Time-dependent squeezing flow of Casson-micropolar nanofluid with injection/suction and slip effects	International Communications in Heat and Mass Transfer, Vol. 126, (2021), Pp. 105470,	1879-0178
6.	Interaction of Al2O3-Ag and Al2O3-Cu hybrid nanoparticles with water on convectively heated moving material	Multidiscipline Modeling in Materials and Structures, Vol. 16(6), (2020), Pp. 1651-1667	1573-6105.
7.	Navier's slip condition on time dependent Darcy-Forchheimer nanofluid using spectral relaxation method	Journal of Central South University, Vol. 26(7), (2019), Pp. 2000-2010	2227-5223
8.	An electromagneto-hydrodynamic flow Maxwell nanoliquid past a Riga plate: A numerical study	Journal of the Brazilian Society of Mechanical Sciences and Engineering, Vol. 39, (2017), Pp. 4547-4554	1678-5878
9.	Numerical investigation of mixed convection boundary layer flow of a dusty fluid over an vertical surface with radiation	Afrika Matematika (Springer publications), Vol. 24, (2013) Pp.487-502.	1012-9405
10	Effect of viscous dissipation and heat source on flow and heat transfer of dusty fluid over unsteady stretching sheet	Applied Mathematics and Mechanics (English Edition) (Springer publications)' Vol. 33(8), (2012). Pp.1001-1014.	0253-4827
1	MHD Flow and Heat Transfer of a Dusty Fluid over a Stretching Sheet	International Journal of Physical and Mathematical Sciences, Vol. 3(1), (2012) Pp.171-182.	2010-1791
12	Effect of Radiation on Hydromagnetic flow and Heat Transfer of a Dusty fluid between Two Parallel plates	International Journal of Physical and Mathematical Sciences, Vol. 3(1), (2012) Pp.47-65.	2010-1791
1.	Effect of viscous dissipation on MHD flow and heat transfer of a dusty fluid over an unsteady stretching sheet	International Journal of Mathematical Archive, Vol. 2(11), (2011) Pp. 2229-2240.	2229-5046
14	Unsteady Flow and Heat Transfer of a Dusty Fluid between Two	International Journal of Computational Science and	0974-3189

	Parallel Plates	Mathematics, Vol. 3(4), (2011) Pp. 421-433.	
1	Boundary Layer Flow of an Unsteady Dusty Fluid and Heat Transfer over a Stretching Sheet with non-uniform Heat Source/Sink	Engineering (Scientific Research), Vol. 3(7), (2011) Pp.726-735.	1947-3931
1	Unsteady Flow and Heat Transfer of a Dusty Fluid through a Rectangular Channel	Mathematical Problems in Engineering (Hindawi Publishing Corporation), Vol. 2010, (2010) 17 pages	1563-5147

2. Responsibilities in the Department and Institute / University: (DAC,DPC, BOS, BOE etc., Institutional Governance responsibilities like, Dean, Chief warden, Warden, HOD's, School/Centre

Chairperson, IQAC Coordinator etc.)

Sl.No	Responsibilities
1.	BOS member
2.	Member of Anti-ragging committee
3.	Timetable coordinator
4.	BOE chairman
5.	I year academic coordinator

PART-C

RESEARCH, PUBLICATIONS AND ACADEMIC CONTRIBUTIONS

1. Published Papers in Journals

SI. No	Title	Name of the Journal, Vol. No., Year	ISSN/ISBN/Numb er	Whether peer reviewed. Impact factor, if any	No. of Co- author s	Whethe r you are the main author or Guide / mentor
	Electromagneti c radiation and convective slippery stipulation influence in viscous second grade nanofluid through penetrable material	ZAMM (Journal of Applied mathematics and mechanics), (2022), Pp. 1521-4001	1521-4001	IF: 2.3 (SCI/Scopus/Q2)	09	Co- author
	3D flow of	Mathematics,	2227-7390	IF: 2.3	05	Co-

	hybrid	Vol 10(7)		(SCI/Scopus/O2)		author
	nanomaterial	(2022) Pn		(
	through a	(2022), 1 p.				
	through a	1185				
	circular					
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	Nodal Point					
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	Hybrid (ND-			$1\Gamma: 4.4$	04	C0-
	$Co_3O_4/EG)$	Journal of		(SCI/Scopus/Q2)		author
	nanoliquid	Thormal				
	through a					
	permeable	Analysis and				
	cylinder under	Calorimetry,	1388-6150			
	homogeneous	Vol. 146,				
	noniogeneous-	(2021), Pp.				
	heterogeneous	1347-1357				
	reactions and	101, 100,				
	slip effects					
	Significance of			IF: 4.4	04	Co-
	aluminium	Journal of		(SCI/Scopus/Q2)		author
	allova portiolo	Thormal				
	alloys particle					
	flow through a	Analysis and				
4	parallel plates	Calorimetry,	1388-6150			
	with activation	Vol. 147,				
	energy and	(2022), Pp.				
	chemical	6971-6981				
	reaction	0)/1 0)01,				
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	lime-	.		IF: /.0	04	CO-
	dependent	International		(SCI/Scopus/QI)		author
	squeezing flow	Communicatio				
	of Casson-	ns in Heat and				
	micropolar	Mass Transfer.	1879-0178			
	nanofluid with	Vol 126				
	injection/sucti	(2021) Pn				
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	on and slip	105470,				
	effects					
	Interaction of			IF: 2.655	03	Co-
	Al2O3-Ag and	Multidiscipline		(SCI/Scopus/Q3)		author
	A12O3-Cu	Modeling in				
	hybrid	Materials and				
		Strawnais allu	1572 (105			
9	nanoparticles	Structures,	13/3-0103.			
	with water on	Vol. 16(6),				
	convectively	(2020), Pp.				
	heated moving	1651-1667				
	material					
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	condition on			11. 2.372 (CCL/C /O	00	author
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	time dependent	Central South		1)		
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1	Forchheimer	$V_{01} 26(7)$	2227-5223			
	nanofluid	$v_{01}, 20(7),$				
	using spectral	(2019), Pp.				
	relayation	2000-2010				
	method	* 4 * *			0.7	â
	An	Journal of the		IF: 2.2	05	Co-
	electromagnet	Brazilian	1670 5070	(SCI/Scopus/Q2).		author
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flow Maxy nanoliquid a Riga pla numerical study	well Sciences and I past Engineering, te: A Vol. 39, (2017), Pp. 4547-4554				
Numerical investigati of mixed convection boundary flow of a of fluid over vertical su with radia	on Afrika Matematika (Springer publications), Vol. 24, (2013) Pp.487-502.	1012-9405	IF: 1.13 (SCI/Scopus/Q 2)	02	main
Effect of viscous dissipation heat sourc flow and h transfer of dusty fluid over unste stretching sheet	Applied Mathematics and Mechanics e on (English teat Edition) (Springer bublications)' ady Vol. 33(8), (2012). Pp.1001-1014.	0253-4827	IF: 4.4 (SCI/Scopus/Q 1)	03	Co- author
MHD Flov and Heat Transfer o Dusty Flu over a Stretching Sheet	w International Journal of f a Physical and id Mathematical Sciences, Vol. 3(1), (2012) Pp.171-182.	2010-1791	-	03	Co- author
Effect of Radiation Hydromag c flow and Heat Tran of a Dusty fluid betw Two Paral plates	on International gneti Journal of Physical and sfer Mathematical Sciences, Vol. een 3(1), (2012) lel Pp.47-65.	2010-1791	-	03	Co- author
Effect of viscous dissipation MHD flow heat transf a dusty flu over an unsteady stretching sheet	n on International Journal of Ser of Mathematical Archive, Vol. 2(11), (2011) Pp. 2229-2240.	2229-5046	-	02	main
Unsteady and Heat Transfer o Dusty Flu between T Parallel Pl	Flow International Journal of Computational f a Science and Mathematics, Wo Vol. 3(4), ates (2011) Pp. 421-433.	0974-3189	-	02	main

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	Boundary			IF: 0.66	02	Co-
	Layer Flow of					author
	an Unsteady					
	Dusty Fluid	Engineering				
	and Heat	(Scientific				
	Transfer over a	Research), Vol.	1947-3931			
	Stretching	3(7), (2011)				
	Sheet with	Pp.726-735.				
	non-uniform	1				
	Heat					
	Source/Sink					
		Mathematical		IF:1.43	02	Co-
	Unsteady Flow	Problems in		(SCI/Scopus/O		author
	and Heat	Engineering		(2)		
	Transfer of a	(Hindawi		_/		
	Dusty Fluid	Publishing	1563-5147			
	through a	Corporation),				
	Rectangular	Vol. 2010,				
	Channel	(2010) 17				
		pages				

2. Training Courses, Teaching-Learning-Evaluation Technology Programs, Faculty development Programmes

Sl. No.	Name of Course/Summer/Winter School	Duration	Organized By
1.	Five days FDP On Advanced and Technical Computing with MATLAB	25 to 29th July 2023	Department of Mathematics, School of Engineering, Presidency University, Bangalore
2.	Two-Week Refresher course on Python and Vedic Mathematics	13 th to 26 th July, 2023	Teaching Learning Centre & Department of Mathematics, Ramanujan College, University of Delhi.
3.	Online Two-Week Refresher course in Mathematical Sciences	26 th September to 10 th October, 2022	Teaching Learning Centre, Ramanujan College, University of Delhi
4.	One week FDP on Outcome Based Education	19 th to 23 rd September- 2022	Department of Civil, Mechanical and Electrical & Electronic Engineering Malnad College

			of Engineering, Hassan.
5.	One week FDP onCurrent Trends In Manufacturing	13 th to 17 th June 2022	Department of Mechanical Engineering and IQAC SJMIT during at S. J. M. Institute of Technology, Chitradurga
6.	Three day FDP on Symposium on Engineering Mathematics with MATLAB	6 th to 8 th September 2021	IUCEE foundation, RV College of Engineering and Math works India Private Ltd.
7.	One week FDP on Sci-Lab, Maxima and python	17 th to 21 st August 2020	Department of Mathematics and Department Of Computer Science, P.C.JABIN Science College, Hubballi
8.	International Engineering Educator Certificate Program spring	Six months- 2020	IUCEE
9.	Faculty Development Program on Latex	28 th and 29 th July 2016	Department of Computer Science and Information Science Engineering, Bahubali College of Engineering, Shravanabelagola.

3. Papers presented in Conferences, Seminars, Workshops, Symposia

SI. No.	Title	Title of Conference/ Seminar etc.	Dates of the Event	Organized by	Whether International/ National/ State/ Regional/ University/ College Level
1	Bioconvective nanofluid flow over an exponential stretched sheet with thermophoretic particle deposition.	National conference on "Recent Trends in Applied Science	8 th June 2022	Department of Basic Science, PES Institute of Technology and management, Shivamogga	National
2	Effect of radiation and heat source/sink on unsteady stagnation point	National conference on Mathematical Sciences and	9th March, 2013	Department of Mathematics, Govt. First Grade College, Koppa	National

	flow and heat transfer of a dusty fluid	Applications			
3	Effect of thermal radiation and heat source on heat transfer of a dusty fluid over an unsteady stretching surface embedded in a porous medium	National conference on Recent Developments in Mathematics	4 th and 5 th May 2012	Department of Mathematics, Kuvempu University, SHIVAMOGGA	National
4	Effects of viscous dissipation and heat source on flow and heat transfer of a dusty fluid over an unsteady stretching sheet.	International conference on Fluid Dynamics and it's Applications	20 to 22 nd July 2011	Department of Mathematics, B.N.M. Institute of Technology, BANGALORE	International
5	Effects of viscous dissipation and heat source on flow and heat transfer of a dusty fluid over an unsteady stretching sheet.	II National Conference on 'Emerging Trends in Fluid Mechanics and Graph Theory	11 and 12 th February 2011	Christ University, Bangalore.	National
6	Unsteady flow and heat transfer of a dusty fluid between two parallel plates	12 th International conference of International Academy of Physical science on Emerging Interfaces of Physical Sciences	Dec 22- 24, 2010	JAIPUR	International
	Flow and heat transfer of a dusty fluid between two rotating circular cylinders.	National meet of Research Scholars in mathematical Sciences	11 to 15 th October 2010	Department of Mathematics, IIT, Madras.	National