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

.PART-B

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_3O_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
11.	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
13.	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

		Mathematics, Vol. 3(4), (2011) Pp. 421-433.		
15	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	
16	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**

Sl. No.	Title	Name of the Journal, Vol. No., Year	ISSN/ISBN/Number	Whether peer reviewed. Impact factor, if any	No. of Co-authors	Whether you are the main author or Guide / mentor
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	IF: 2.3 (SCI/Scopus/Q2)	09	Co-author
2	3D flow of	Mathematics,	2227-7390	IF: 2.3	05	Co-

	Title	Journal	ISSN	Impact Factor	No.	Role
	hybrid nanomaterial through a circular cylinder: Saddle and Nodal Point Aspects	Vol.10(7), (2022), Pp. 1185		(SCI/Scopus/Q2)		author
	Hybrid (ND-Co_3O_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	IF: 4.4 (SCI/Scopus/Q2)	04	Co-author
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	IF: 4.4 (SCI/Scopus/Q2)	04	Co-author
	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	IF: 7.0 (SCI/Scopus/Q1)	04	Co-author
	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.	IF: 2.655 (SCI/Scopus/Q3)	03	Co-author
	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	IF: 2.392 (SCI/Scopus/Q1)	03	Co-author
8	An electromagneto-hydrodynamic	Journal of the Brazilian Society of Mechanical	1678-5878	IF: 2.2 (SCI/Scopus/Q2).	05	Co-author

flow Maxwell nanoliquid past a Riga plate: A numerical study	Sciences and Engineering, Vol. 39, (2017), Pp. 4547-4554				
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	IF: 1.13 (SCI/Scopus/Q2)	02	main
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	IF: 4.4 (SCI/Scopus/Q1)	03	Co-author
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	-	03	Co-author
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	-	03	Co-author
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	-	02	main
Unsteady Flow and Heat Transfer of a Dusty Fluid between Two Parallel Plates	International Journal of Computational Science and Mathematics, Vol. 3(4), (2011) Pp. 421-433.	0974-3189	-	02	main

			IF: 0.66	02	Co-author
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			
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	IF:1.43 (SCI/Scopus/Q2)	02	Co-author

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	13th to 26th July, 2023	Teaching Learning Centre & Department of Mathematics, Ramanujan College, University of Delhi.
3.	Online Two-Week Refresher course in Mathematical Sciences	26th September to 10th October, 2022	Teaching Learning Centre, Ramanujan College, University of Delhi
4.	One week FDP on Outcome Based Education	19th to 23rd September-2022	Department of Civil, Mechanical and Electrical & Electronic Engineering Malnad College

				of Engineering, Hassan.
5.	One week FDP onCurrent Trends In Manufacturing	13th to 17th 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	6th to 8th September 2021		IUCEE foundation, RV College of Engineering and Math works India Private Ltd.
7.	One week FDP on Sci-Lab, Maxima and python	17th to 21st 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	28th and 29th July 2016		Department of Computer Science and Information Science Engineering, Bahubali College of Engineering, Shravanabelagola.

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

Sl. 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	8th 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	4th and 5th 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 22nd 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 12th February 2011	Christ University, Bangalore.	National
6	Unsteady flow and heat transfer of a dusty fluid between two parallel plates	12th 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 15th October 2010	Department of Mathematics, IIT, Madras.	National