


Faculty Profile

Name of Faculty	Dr. S. Manjunath	
Department	Mathematics	
Qualification	M.Sc., M.Phil., Ph.D., PGDCA., M.Sc., (IT)	
Designation	Professor & Head	
Area of specialization	Magneto Hydro Dynamics (MHD) - Dispersion Models - Stretching Films - Convection in enclosures	
Date of Joining BNMIT	02.08.2004	
Nature of Association (Regular/Contractual/Adjunct)	Regular	
e-mail	smanjunath@bnmit.in drmanjus@gmail.com	
No. of years of Experience	Teaching: 28 years Research: 24 years	

Academic Qualifications

- **Ph.D.** (2000) , Department of Mathematics, Bangalore University, Bangalore, India.
- **M.Phil.** (1990), Department of Mathematics, Bangalore University, Bangalore, India. (**FIRST CLASS WITH DISTINCTION**)
- **M.Sc.** (1989), Department of Mathematics, Bangalore University, Bangalore, India.(**FIRST CLASS**).
- **B.Sc.** (1987), National College Basavanagudi, Bangalore University, Bangalore, India. (**FIRST CLASS**).

Additional Qualifications

- **M.Sc.(Information Technology):** Karnataka State Open University, Mysore (2009) **FIRST CLASS**
- **Post Graduate Diploma in Computer Applications (PGDCA)(1992)**, Madurai Kamaraj University. (**FIRST CLASS**).

Working Experience Details

- Working as **Professor & Head** in the Department of Mathematics, **B.N.M.I.T.**, Bangalore from 02.08.2004 till date.
- Worked as **Assistant Professor** in the Department of Computer Science and Engineering, **R.V.College of Engineering**, Bangalore from 05.03.2004 to 31.07. 2004.
- Worked as **Assistant Professor** in the Department of Mathematics, **R.V.College of Engineering**, Bangalore from 01.02.2001 to 04.03 2004.
- Worked as **Lecturer** in the Department of Mathematics, **R.V.College of Engineering**, Bangalore from 16.10.1995 to 31.01.2001.
- Worked as **Lecturer**, Department of Computer Science, **National College Basavanagudi**, Bangalore from 01.07.1991 to 15.10.1995.
- Worked as **Guest lecturer** in the **Department of Geology**, Bangalore University, Bangalore (1992–1993).
- Worked as **Lecturer** in the Department of Mathematics, **M.S.Ramaiah Institute of Technology**, Bangalore from 10.09.1990 to 30.06.1991.

Subject taught

- **Under Graduate Level :** Engineering Mathematics – I, Engineering Mathematics – II
Engineering Mathematics – III, Engineering Mathematics – IV
Discrete Mathematical Structures & Graph Theory. Linear Algebra.
- **Post Graduate Level:** Advanced Mathematics, Applied Mathematics , Probability & Statistics.

Titles of Theses

M. Phil:

Three Dimensional Laminar Dispersion in MHD Flows with Biomedical Applications.

Ph.D:

Study of Two – and – Three Dimensional Laminar Dispersion in Rectangular Channels and Fluid Movement in a Channel of varying Gap.

Research Supervision

Guided Students for Doctoral Degree

Sl.No.	Name of the student	Department	University	Year of completion	Title of Research Topic
1	Sreelakshmi D. (1BG10PGN01)	Mathematics	VTU, Belgaum	2018	Computer assisted solution to the flow problems involving coolant surrounded stretching wafer – films
2	B S Anil Kumar (4PS09PMN01)	Mechanical Engineering	VTU, Belgaum	2017	Computational investigation of flow separation in an incompressible aerodynamics
3	T. V. Joseph (PHMT0944303)	Mathematics	Christ University, Bangalore	2014	linear and non – linear electro convection in a micropolar fluids
4	N. P Chandrashekara (1BG08PGN01)	Mathematics	VTU, Belgaum	2014	Convection of a Boussinesq – stokes suspension and Micro polar Liquids in an Enclosure
5	L. Venkatareddy (1BG08PGM01)	Mathematics	VTU, Belgaum	2014	The Fluid Mechanics of the Cooling of Stretching Films
6	S Vagdevi (0599900002)	Computer Science	VMU, Salem	2011	Development of ANN methods for providing security to commercial software to avoid

Guiding Students for Doctoral Degree

Sl. No.	Name of the student	University	Title of Research Topic
1	Devikarani G. Shetty	VTU, Belgaum	Rayleigh-benard convection in Newtonian nanoliquids occupying anisotropic porous enclosures
2	Kavya H S	VTU, Belgaum	Dispersion of passive / reactive solute in channel flows of a Kuvshiniski viscoelastic fluid
3	Sushma T S (1BG16PGJ06)	VTU, Belgaum	Differential geometry methods for nonlinear differential equations arising in fluid mechanics
4	Srihari M. Subodha (1BG16PGJ05)	VTU, Belgaum	Three-dimensional dispersion in flows through and past porous media
5	Komala C S, (1BG15PGJ02)	VTU, Belgaum	Convection in Viscoelastic Liquids Occupying a Tilted Slot
6	Chandrakanth V (1BG13PGN01)	VTU, Belgaum	A Mathematical Study on Two – Dimensional Dispersion of Passive / Reactive Solute in Channel Flows of a Viscoelastic fluid

Projects guided for B.Sc., (Computer Science) Students

1. Demand draft Management for State Bank of Mysore, Banashankari Branch, Bangalore.
2. Time Table for National College, Jayanagar, Bangalore.
3. Computerization of deposit scheme for Kirloskar Investments and Finance Limited, Unity Building J.C.Road, Bangalore.
4. Performance report for Sate Bank of Mysore.
5. Stores Inventory (Materials Management System) for Sandur Systems, Bangalore.

Projects guided for B.E., (Computer Science) Students

1. Remote Configuration / Installation software for a network PBX for Unified Gateways (J) Pvt., Ltd., Bangalore.
2. LDAP Administration tool for IBM Global Service India Private Limit, Bangalore.
3. Biometrics: Palm Print Verification System.

University Works / Other Assignments

1. Chief Superintendent , Depute Chief Superintendent(Internal / External) & Squad Chairman of VTU examinations.
2. Examiner for the thesis evaluation of M.Phil / Ph.D. degree.

3. Working as **BOE/BOS** for VTU, autonomous Colleges under VTU and Bangalore University.
4. Member of *Expert panel* at RNS Institute of Technology, Sri Krishna Institute of Technology, Chennamma Devegowda Institute Technology, Adarsh Institute of Technology, RNS Pre-University College & BNM Pre-University College for selection of the faculty in Mathematics.
5. N.S.S Programme Officer, R.V. College of Engineering from 01-07-1999 to 31-07-2003.

Papers Reviewer

1. British Journal of Mathematics & Computer Science
2. Journal of Scientific Research and Reports

External Examiner for conducting Ph.D. viva voce Examination

1. Conducted viva voce at Nottingham University, Malaysia in Chemical Engineering (February 13, 2015).
2. Conducted viva voce at Bharathiar University, Taminadu in Computer Science (February 06, 2015).
3. Conducted viva voce at Christ (Deemed to be University), Bengaluru in Applied Mathematics (May 18, 2019).

Responsible Assignments

1. **Joint Secretary, ISTAM Executive Council 2018** (An International Meet).
2. **Scientific Advisory Committee Member**, International Conference on History and Development of Mathematics “ICHDM – 2013” JECRC University , Jaipur (November 29,30 & December 1, 2013).
3. **Advisory Committee Member**, National Conference on Mathematical Modeling with Engineering Applications, Government SKSJTI, Bangalore(October 25 – 26, 2013).
4. **Technical Secretary**, International Conference on Mathematical Modeling and Numerical Simulation July 01 – 03, 2013(ICMMANS-2013), Dept of Applied Mathematics, School for Physical Sciences, Babasaheb Bhimrao Ambedkar University, Lucknow -226025, India (A Central University).
5. **Advisory Committee Member**, International Conference on Mathematical Modeling and Applied Soft Computing, Coimbatore Institute of Technology, Coimbatore (July 11 – 13, 2012).
6. **Executive Council Member** , ISTAM (2012 - 15) (An International Meet).
7. **Advisory Committee Member**, National Conference on Emerging Trends in Information Technology and Computing organized by GITM, Gurgaon, Haryana (March 27, 2010)
8. **Vice-President**, ISTAM (2008 & 2009) (An International Meet).
9. **Member** , Organizing committee, One day Personality programme for R.V.College of Engineering students ,organized by Department of Placement, R.V.C.E (22.09.2002).
10. **Participated as judge** in the ninth IEI Convocation, Technician’s & students Convention held at the Institution of Engineers (INDIA).

Editorial Board

1. Editorial Board Member – Book of Abstracts of the *International conference on Fluid Dynamics & its Applications*, BNMIT, Bangalore (July 12 – 14, 2017).
2. Chief Editor – Mini & Main Directories of Lions Clubs International – Dist. 317A (2013-14)
3. Editor – Conference Proceedings (Volume I & II) of the *International conference on Fluid Dynamics & its Applications*, BNMIT, Bangalore (July 20 – 22, 2011).
4. Editorial Board Member – Book of Abstracts of the *International conference on Fluid Dynamics & its Applications*, BNMIT, Bangalore (July 20 – 22, 2011).
5. Chief Editor - College Magazine “Jnana Bhageerathi” (2010 & 2011), BNMIT, Bangalore.
6. Editorial Board Member – Book of Abstracts of the *International conference on Mathematical Modeling and Non – Linear Equations*, BNMIT, Bangalore (January 20 – 22, 2010).
7. Chief Editor - Quarterly Bulletin “**BANG - SOU -LIONS**”(2008 - 12) , Lions Club of Bangalore South.
8. Editorial Board Member – Souvenir of *52nd Congress of ISTAM*, BNM Institute of Technology, Bangalore (December 14 - 17, 2007).

Recognition

1. Recipient of ‘*Appreciation Award*’ given by District Nandavarika Samithi , Kolar for research in field of Mathematics (2006).
2. Recipient of ‘*EXCELLENCE IN EDUCATION*’ Award given by Rashtreeya Sikshana Samithi Trust (RSST), Bangalore for research (1997 & 2001).
3. Recipient of ‘*RECOGNITION OF EXCELLENCE*’ Award given by Rashtreeya Sikshana Samithi Trust (RSST), Bangalore for research (1996 and 1998).
4. Recipient of ‘ *N. Rudhraiah Felicitation Committee – United States Visiting Scientists*’ (NRFC-USVS) Award for research in the year 1997.

Membership of Scientific and Professional Societies

1. Life Member of Indian Society of Theoretical and Applied Mechanics(ISTAM:LM – 270).
2. Life Member of Operational Research Society of India (*ORSI*: LM- 0422).
3. Life Member of Indian Society for Technical Education (*ISTE*: LM - 38136).
4. Life Member of the Ramanujan Mathematical Society (*RMS*: LM - 583).
5. Life Member of the Indian Mathematical Society (*IMS*: LM – M-09-100)
6. Life Member – The Academy of Discrete Mathematics & Applications (*ADMA*-LM176)

International Conferences / Symposium / Orientation Program Organized

1. **Program Chair**, Organizing Committee, International Conference on Fluid Dynamics & its Applications (July 12 – 14, 2017).
2. **Chairman**, Organizing Committee, International Conference on Fluid Dynamics & its Applications (July 20 – 22, 2011).
3. **Chairman**, Organizing Committee, International Conference on Mathematical Modeling and Non – Linear Equations (January 20 – 22, 2010).
4. **Organizing Secretary**, ISTAM 2007(December14–17,2009) (An International Meet).

5. **Convener**, One day Symposium on Applied Mathematics in Engineering Technologies (16-12-2006).
6. **Chairman**, Organizing committee, One day Orientation programme for N.S.S Programme Officer organized by NSS Unit, RVCE – (18-08-2002).

Publications

[a] International Journals

1. P.G.Siddheshwar, Manjunath S & T S Sushma, Solution of the Lorenz Model with Help from the Corresponding Ginzburg – Landau Model, Applied Mathematics and Scientific Computing, Trends in Mathematics (2019), https://doi.org/10.1007/978-3-030-01123-9_6.
2. Rajeev Kumar & Manjunath S., Performance Evaluation and Comparative Study of Color Image Segmentation Algorithm, Springer Nature Singapore Pte Ltd (2017), 130 – 144, D. Singh et al. (Eds.): ICAICR 2017, CCIS 712, DOI: 10.1007/978-981-10-5780-9_12.
3. B.S. Anil Kumar, Ramalingaiah, Manjunath S. & Rudresh Ganganna, Computational Investigation of Flow Separation over Naca 23024 Airfoil at 6 Million Free Stream Reynolds Number. *International Journal of Science, Technology and Society*. Vol. 3, No. 6, 2015, pp. 315-321. doi: 10.11648/j.ijsts.20150306.17.
4. B.S. Anil Kumar, Ramalingaiah, Manjunath S. & Rudresh Ganganna, Computational Investigation of Flow Separation Over Naca 23024 Airfoil at 3 Million free Stream Reynolds Number(2015), *International Journal of Engineering Research & Technology (IJERT)*, ISSN: 2278-0181, Vol. 4 Issue 10, October-2015, pp. 267 – 271.
5. Manjunath S. & Sreelakshmi D., The Buoyancy effect on the Newtonian coolant flow induced by an exponentially stretching thin films, *International Journal of Mathematical Archive(IJMA)*,6(4), 2015, pp 133-142, ISSN 2229 – 5046 .
6. B.S. Anil Kumar, Ramalingaiah, Manjunath S. & Rudresh Ganganna, Computational Investigation of Flow Separation in Incompressible Aerodynamic Regime, *IJRSET*, Vol. 4, Issue 2, February 2015, pp 470 – 476, ISSN(Online) : 2319 – 8753 & ISSN (Print) : 2347 – 6710, DOI: 10.15680/IJRSET.2015.0402035.
7. Manjunath S., T. V. Joseph, & S. Pranesh, Effect of Non-Uniform Basic Temperature Gradient on the Onset of Rayleigh-Bénard-Marangoni Electro-Convection in a Micropolar Fluid, *Applied Mathematics*, Vol. 4 No. 8, 2013, pp. 1180-1188. doi: 10.4236/am.2013.48158.
8. Krishnappa H K, N K Srinath, & Manjunath S., Vertex Magic Total Labeling of Complete Graphs and their application for Public-Key Cryptosystem, *International Journal of Innovative Research in Computer and Communication Engineering (IJRCCE)*, Vol. 1, Issue 2, April 2013, ISSN: 2320 – 9798 .
9. Krishnappa H K, N K Srinath, & Manjunath S., Algorithms to Realize All Possible Vertex Magic Total Labeling and Super Vertex Magic Total labeling of Complete Graphs, *International Journal of Engineering and Innovative Technology (IJEIT)*, Volume 2, Issue 9, march 2013, pp. 65 – 70, ISSN : 2277-3754 .
10. Krishnappa H K, N K Srinath, & Manjunath S., Algorithms to Construct Anti Magic Labeling of Complete Graphs, *International Journal of Computer and Information Technology (IJCIT)*, Volume 2, Issue 3, May 2013, pp. 492 – 499, ISSN: 2279 – 0764 .
11. Krishnappa H K, N K Srinath, & Manjunath S., Algorithm to Construct Super Vertex Magic Total

Labeling of Complete Graphs, International Journal of Application or Innovation in Engineering & Management (IJAIEEM), Volume 2, Issue 1, January 2013, pp. 305 – 309, ISSN 2319 – 4847.

12. Manjunath S. & P.G. Siddheshwar., Three Dimensional Laminar Dispersion of Solute in a Couple – Stress Fluid Flow through a Rectangular Channel (2011), International journal of Applied Mechanics and Engineering(IJAME), **Poland** , 16/3, 2011, pp. 775-789.
13. Manjunath S. & Vagdevi S., Application of Radial Basis Function for Preventing Piracy in Commercial software, International Journal of Computer Science and Engineering, Malaysia, 2009, pp. 19 -32.
14. P.G.Siddheshwar & Manjunath S., Unsteady Convective Diffusion with heterogeneous Chemical Reaction in a Plane-Poiseuille Flow of a Micro-polar Fluid (2000) , Int. J. Engg. Sci., **USA**, Vol. 38, pp.765-783.
15. P.G.Siddheshwar, Manjunath S. & *Shripad Markande*, Effect of Interphase Mass Transfer on Unsteady Convective Diffusion: Part I, Plane-Poiseuille Flow of a Power Law Fluid in a channel (2000), Chem. Engg. Comm., **USA**, Vol. 180, pp. 187-207.
16. P.G.Siddheshwar, Shripad Markande & Manjunath S., Effect of Interphase Mass Transfer on Unsteady Convective Diffusion: Part II, Hagen –Poiseuille Flow of a Power Law Fluid in a Tube (2000) , Chem. Engg. Comm., **USA**, Vol. 180, pp. 209-229.
17. P.G.Siddheshwar & Manjunath S., Effects of Temperature-Dependent Viscosity and Heterogeneous Chemical Reaction on Unsteady Convective diffusion in a non-isothermal Plane-Poiseuille flow(1999), J.Applied Mech. and Engg., **POLAND**, Vol.4, No.3, pp. 471-494
18. P.G.Siddheshwar & Manjunath S., Effects of Buoyancy and Heterogeneous Chemical Reaction on Unsteady Convective Diffusion of Solute in a Boussinesq Fluid Flow(1999), J.Applied. Mech. and Engg., **POLAND**, Vol.4, pp.739-757
19. P.G.Siddheshwar & Manjunath S., Couple-Stress fluid flow through a Varying Gap Channel(1999) , Journal of Modeling Measurement and Control, AMSE, **FRANCE**, Vol.67, No. 1-2, pp.31-50.
20. P.G.Siddheshwar & Manjunath S., Effect of Wall-Solutal-Permeability on Convective Diffusion of solute in a Couple-Stress Fluid flow(1997), Journal of Modeling Measurement and control, AMSE, **FRANCE**, Vol, 1-2, pp. 51-58.

[b] National Journals

1. T. V. Joseph , Manjunath S. & S. Pranesh, Linear and non-linear analyses of electrothermo convection in a micropolar fluid, JP Journal of Heat and Mass Transfer © 2017 Pushpa Publishing House, Allahabad, India <http://www.pphmj.com> <http://dx.doi.org/10.17654/HM014040461> Volume 14, Number 4, 2017, Pages 461-484, ISSN: 0973-5763.
2. Manjunath S. & Sreelakshmi D., The Study of Navier Slip Condition on the Flow and Heat Transfer in a Coolant Surrounded an Exponentially Stretching Sheet, Mapana J Sci, 14, 3 (2015), 43-60 ISSN 0975-3303|doi: 10.12723 / mjs.34.3.
3. S Pranesh , Manjunath S. & Suman Ganesh, Study of Two-Dimensional all –Time Dispersion of a Solute in a Fluid –Saturated Porous Medium, *Mapana J. Sci*, **13**, 3 (2014), pp. 67-85 ISSN 0975-3303|doi:10.12723/mjs.30.5.
4. Manjunath S. & L. Venkata Reddy, Effect of Boussinesq – Stokes suspension over an Exponentially stretching sheet in a Hydromagnetic flow (2012), Mapana J. Sc., **India** ,11, 3(2012), pp. 93 – 104 , ISSN 0975-3303 .

5. Manjunath S. & N P Chandrashekara, Study of Thermal Convection in Micropolar Fluids Occupying a Rectangular Box (2012), *Mapana J. Sc., India*, 11, 3(2012), pp. 129 – 142, ISSN 0975-3303.
6. P.G.Siddheshwar & Manjunath S., Unsteady Convective Diffusion with Heterogeneous Chemical Reaction in a Plane-Poiseuille Flow through a Channel with Solvent-Permeable Boundaries (2001), Vignana Bharathi, Bangalore University Journal, *INDIA*, Vol. I, pp.17-24
7. P.G.Siddheshwar & Manjunath S., Unsteady Convective Diffusion of Solute in a non-isothermal Plane-Poiseuille Flow of a Fluid with Temperature Dependent Viscosity(1998), Vignana Bharathi, Bangalore University Journal, *INDIA*, Vol. 4, pp.52-58.

[c] International Conference Proceedings

1. B.S. Anil Kumar, Ramalingaiah, Manjunath S. & Rudresh Ganganna, Computational Investigation of Flow Separation over Naca 23024 Airfoil at 6 Million Free Stream Reynolds Number Using $k - \epsilon$ Turbulence Model, in *Materials Today : Proceedings*(2018) : 12598 - 12606, ScienceDirect, ELSEVIER, Volume 5.
2. Krishnappa H K , N K Srinath , Ramakanth Kumar P & Manjunath S., Algorithms for Constructing Edge Magic Total Labeling of Complete Bipartite graphs (2012), *Proceedings of International Conference on Computer Science & Information Technology*, Tirupati, Andra Pradesh, **India**, June 10, 2012 organized by Inter Science Open access Journals (IOAJ) , pp. 37 – 41, ISBN 978 – 81 -93 - 81693 – 86 – 5
3. Manjunath S. & N P Chandrashekara, Study of linear binary fluid convection in Newtonian fluids occupying a rectangular cavity (2012), *Proc. Intl. Conference on Mathematical Modeling and Applied Soft Computing*, Coimbatore Institute of Technology, Coimbatore, **India**, July 11 – 13, 2012, Vol.1, pp. 922 – 933 , ISBN 978 – 81 -923752 – 1 – 2 .
4. Manjunath S. & L. Venkata Reddy, Study of hydro magnetic flow and heat transfer in a Boussinesq – Stokes suspension over a quadratic stretching sheet(2012), *Proc. Intl. Conference on Mathematical Modeling and Applied Soft Computing*, Coimbatore Institute of Technology, Coimbatore, **India**, July 11 – 13, 2012, Vol.1, pp. 934 – 944 , ISBN 978 – 81 -923752 – 1 – 2 .
5. Manjunath S. & N P Chandrashekara, Numerical Study of Thermal Convection in Boussinesq-Stokes Suspension Occupying a Rectangular Box(2011), *ASME/JSME 2011 8th Thermal Engineering Joint Conference (AJTEC2011)* , Honolulu, Hawaii, USA ASME 2011, **Honolulu, Hawaii, USA**, March 13–17, 2011.
6. P.G.Siddheshwar & Manjunath S., Three Dimensional laminar Dispersion in an MHD flow (2011), *Proc. Intl. Conference on fluid dynamics & its applications (ICFDA)*, BNMIT, Bangalore, **India** , July 20 -22, 2011, Vol. 1, pp. 132 – 147 .
7. Manjunath S., An Overview of Knowledge Discovery and Data Mining(2009), *Proc. 54th Congress of ISTAM 2009 (An International Meet)*, Netaji Subhas Institute of Technology, New Delhi, **INDIA**, December 18 - 21, pp. 207 – 211.
8. Manjunath S. & Vagdevi S., Prevention of Software Piracy using Radial Basis Function (2009), *Proc. International Symposium on Intelligent Science and Technology*, SCET , Erachakulum, Tamilnadu, **INDIA**, June 18 - 19, pp. 86 – 94 .
9. Manjunath S. & Vagdevi S., Application of Back Propagation Algorithm for Providing Security to Commercial Software (2008), *Proc. 53rd Congress of ISTAM 2008(An International Meet)*, Osmania Uni, Hyderabad, A.P., **INDIA**, December 27 - 30, pp. 277 – 282 .

10. P.G.Siddheshwar & Manjunath S., Dispersion in a plane – Poiseuille flow of casson fluid (2004), Proc. Intl. Conference ICHD, *Perth, WESTERN AUSTRALIA*, November 24 - 26, pp.501-505.
11. P.G.Siddheshwar & Manjunath S., Effect of Variable Viscosity on Convective Diffusion of Solute in a non-isothermal Plane-Poiseuille flow (1997), Proc. Intl. Conference FTEC'97, Yogyakarta, *INDONESIA*, July 21-24, pp.153-158.

[d] National Conference Proceedings

1. Ramalingaiah, B. S. Anil Kumar, Manjunath S. & Glen, Validation of wind tunnel test results for NACA 2415 airfoil using finite volume based computational fluid dynamics software (2013), Proceedings of National Conference on Topical Transcend in Mechanical Technology(TTMT), SJBIT, Bangalore, May 4, 2013, pp. 13 – 19.
2. Manjunath S. & N P Chandrashekara, Thermal convection in Newtonian fluids occupying rectangular cavities(2012), Proceedings of National Conference on recent trends in fluid mechanics, Tumkur University, Tumkur, **India**, May 16, 2012, pp. 25 - 94 , ISBN 978 – 81 -923151 – 5 – 7.
3. Manjunath S. & L. Venkata Reddy, Study of hydrodynamic flow of a Boussinesq – Stokes suspension over an exponential stretching sheet (2012), Proceedings of National Conference on recent trends in fluid mechanics, Tumkur University, Tumkur, **India**, May 16, 2012, pp. 82 - 94 , ISBN 978 – 81 -923151 – 5 – 7 .

Papers Presented in National / International Conferences

[a] International Conferences

1. Two Dimensional Dispersion in an Unsteady Flow of a Micro – Polar Fluid ; *59th Congress of ISTAM*, Alliance University, Bangalore (December 17 - 20, 2014).
2. Regular perturbation solution for flow through a porous channel with effects of inertia, boundary and buoyancy in 57th Congress of ISTAM(An International Meet) held at DIAT, Pune (Dec, 17-20, 2012).
3. Three Dimensional laminar Dispersion in a Porous Medium, *56th Congress of ISTAM* (An International Meet) held at SVNIT, Surat, Gujarat(Dec, 19-21, 2011).
4. Regular Perturbation solution for flow through a porous channel with effects of inertia, boundary and buoyancy, *International conference on Mathematical Modeling and Non – Linear Equations*, BNMIT, Bangalore(January 20 – 22, 2010).
5. An Overview of Knowledge Discovery and Data Mining; *54th Congress of ISTAM*, Netaji Subhas Institute of Technology, New Delhi (December 18 – 21, 2009).
6. Three Dimensional Laminar Dispersion of Solute in a Couple – Stress Fluid Flow through a Rectangular Channel; *54th Congress of ISTAM* , Netaji Subhas Institute of Technology, New Delhi (December 18 – 21, 2009).
7. Two Dimensional Dispersion in an Unsteady Flow of a Micro – Polar Fluid ; *53rd Congress of ISTAM*, Osmania University, Hyderabad (December 27 - 30, 2008).
8. Effect of Magnetic field on three – dimensional All – time dispersion in a weak – electrically conducting Newtonian fluid flow ; *52nd Congress of ISTAM*, BNM Institute of Technology , Bangalore (December 14 - 17, 2007).
9. Dispersion in a plane – Poiseuille flow of casson fluid; International conference on Hydro Dynamics, *Perth, WESTERN AUSTRALIA* (Nov 24 - 26, 2004).
10. Effect of Variable Viscosity on Unsteady Convective Diffusion of solute in a non-isothermal Plane Poiseuille Flow; *International Conference on Fluid and Thermal Energy Conversion'97*, Yogyakarta, *Indonesia* (July 21-24, 1997).

11. Effect of Wall-Solutal-Permeability on Convective Diffusion of Solute in a Couple-Stress Fluid Flow; *Fourth International Conference* on Physiological Fluid Dynamics, Jiwaji University, **Gwalior** (December 8-10, 1995).
12. Three - Dimensional Laminar Dispersion of Solute in a Hartmann Flow through a Rectangular Duct; *35th Congress of ISTAM*, Anna University, **Madras** (December 19-22, 1990).

[b] National Conferences

1. Unsteady convective diffusion of a passive solute in a Newtonian fluid through a porous medium, *the Second National Conference on Emerging Trends in Fluid Mechanics and Graph Theory*, Christ University, Bangalore (February 11– 12, 2011).
2. Flow through a porous channel with effects of boundary and buoyancy, *the National Conference on Emerging Trends in Fluid Mechanics and Graph Theory*, Christ University, Bangalore (February 25 – 26, 2010).
3. Modeling of Counting Problems with Recurrence Relations; *National Seminar* on Discrete Structures and Computer Applications, PESIT, Bangalore (Jan 18-19,2007).
4. All-time Analysis of Laminar Dispersion of Reactive solute in a Couple Stress Fluid Flow; *National Conference* on Mathematics and its applications, Bangalore University, **Bangalore** (December 8-11, 1990).

Invited talks delivered

1. **Subject Expert in the e – Shikshana Programme 01**, delivered a series of lectures on Module V of Advanced Calculus and Numerical Methods (8 lectures during April – May 2019)
2. **Linear Algebra & its Applications**; Five Day Faculty Enrichment Program for Engineering Mathematics – I organized by Visvesvaraya Technological University, Centre for Post Graduate Studies, Bangalore Region, Visvesvaraya Institute of Advanced Technology, Muddenahalli, Chikkaballapur Distict (August 11, 2018).
3. **Differential Transform Method & its Applications**; Faculty Development Program organized by the Department of Mathematics, RajaRajeshwari College of Engineering, Bangalore (January 24, 2018).
4. **An overview of applications of derivative**; R J S Pre University college, Bangalore (September 12, 2014).
5. **Study of two - and three - dimensional dispersion in fluid flows through a porous medium: state – of – the - art**; V National conference in "Emerging Trends in Fluid Mechanics , Christ University, Bangalore (March 14 - 15, 2014).
6. **An overview of two - and three - dimensional dispersion in fluid flows**; National Conference on Mathematical Modeling with Engineering Applications, Government SKSJTI, Bangalore(October 25 – 26, 2013).
7. **Study of two - and three - dimensional dispersion in fluid flows: state – of – the - art**; International Conference on Mathematical Modeling and Numerical Simulation(ICMMANS - 2013) , Babadaheb Bhimarao Ambedkar University (A Central University), Lucknow (July 01 – 03, 2013).
8. **Mathematical Modeling of Dispersion : State of the art**; International Conference on Fluid Mechanics & Graph Theory , Christ University, Bangalore (August 16 - 18, 2012).
9. **Introduction to fractional derivative & fractional integrals**; Series of lectures arranged for post graduate students (Mathematics) of Christ university, Bangalore (September 19, 2011).

10. **An insight into ordinary derivative & fractional derivative;** Series of lectures arranged for degree students(PCM) of Christ university, Bangalore (September 19, 2011).
11. **Applications of Derivatives;** Series of lectures arranged for Pre – University teachers through a satellite programme, DSERT, Bangalore (September 12, 2011).
12. **Three Dimensional laminar Dispersion in an MHD Flow;** International Conference on Fluid dynamics & its Applications, BNMIT, Bangalore(July 21, 2011).
13. **Hydro dynamics dispersion problems;** Department of civil engineering, University of Nottingham, Malaysia campus, Malaysia (February 23, 2011).
14. **An insight into differential and integral calculus;** Six Day – refresher course for Pre – University teachers jointly organized with department of technical education, Jain University, Kanakapura, Bangalore rural(December 20,2010).
15. **A practical approach to differentiation and integration;** Six Day – refresher course for Pre – University teachers jointly organized with department of technical education, Sri. JCBM, Pre University college, Shringeri, Chikkamangalore District (November 25, 2010).
16. **Mathematical Modeling in Arts, Commerce, Science & Engineering;** The Bangalore Science Forum, National College, Basavanagudi, Bangalore (October 27, 2010).
17. **Differential Transform Method for Non – Linear Differential Equations;** Two Day national Level Workshop on Computational Fluid Dynamics, RajaRajeshwari College of Engineering, Bangalore (October 22 - 23, 2010).
18. **Trends in knowledge discovery and data mining using artificial neural network;** *Emerging Trends in Information Technology and Computing (ETIC – 2010)*, GITM, Gurgaon, Haryana (March 27, 2010).

Career talk

1. Delivered a *Career talk* on “ Employment opportunities in computers in the career conference and career literature exhibition held at Govt. First Grade College, *Pavagada*.(29-01-2001).
2. Delivered a *Career talk* on “Employment opportunities in computers in the career conference and career literature exhibition held at BES Degree College, *Bangalore* (24- 02-2000).
3. Delivered career talk on “Employment opportunities in computers in the career conference and career literature exhibition held at Govt., First Grade College, *Kunigal* (22-01-1999).

Chairing Technical Sessions

1. Chaired a session of invited lecture in the International Conference on Fluid Dynamics & its Applications (July 14 – 17, 2017).
2. Chaired a session of invited lecture in the 61th Congress of ISTAM (An International Meet), VIT University (December 11 - 14, 2016).
3. Chaired a Technical session in the 59th Congress of ISTAM (An International Meet), Alliance University, Bangalore (December 17 - 20, 2014).
4. Chaired a technical session in the V National conference in "Emerging Trends in Fluid Mechanics”, Christ University, Bangalore (March 14 - 15, 2014).
5. Chaired a technical session in the International Conference on Mathematical Modeling and Numerical Simulation (ICMMANS - 2013) , Babadaheb Bhimarao Ambedkar University (A Central University), Lucknow (July 01 – 03, 2013).

6. Chaired a technical session in the International Conference on Fluid Mechanics & Graph Theory , Christ University, Bangalore (August 16 - 18, 2012).
7. Chaired a technical session in the Third National conference on emerging trends in fluid mechanics and Graph theory held at Christ University, Bangalore (Feb 16 -17,2012)
8. Chaired a technical session in *the Second National Conference on Emerging Trends in Fluid Mechanics and Graph Theory*, Christ University, Bangalore(February 11– 12, 2011).
9. Chaired a Technical session in the 54th Congress of ISTAM 2009, Netaji Subhas Institute of Technology, New Delhi (December 18 – 21, 2009).
10. Chaired a Technical session in the 53rd Congress of ISTAM, Osmania University, Hyderabad (December 27 - 30, 2008).

Conferences / Workshops / Symposia Attended

1. One week Faculty Development Program on Emerging Trends in Mathematics and its Applications, organized by the Department of Mathematics, RIT, Bangalore (28th January to 2nd February 2019).
2. One day workshop on New Model Curriculum for PG Course (M.Tech) organized by VTU, Belagavi (August 06, 2018).
3. One week Faculty Development Program on Application of Mathematical Tools for Engineering Problems Organized by the Department of Mathematics, RIT, Bangalore (30th July to 4th August 2018).
4. One day workshop on New Model Curriculum for First year (B.E.) organized by VTU, Belagavi (May 07, 2018).
5. One week Faculty Development Program on Computational Tools for Engineering Applications Organized by the Department of Mathematics, RIT, Bangalore (January 16 – 21 , 2018).
6. The National Conference on Current Advances in Science & Technology (NCCAST) organized by the Department of Science & Humanities, KSIT, Bangalore in association with VTU (May 10 & 11 , 2017).
7. Two - Day Faculty Development Program on Sampling Theory & Stochastic Process organized by the Department of Mathematics, Global Academy of Technology, Bangalore (March 24 & 25 , 2017).
8. Two Day workshop on Indian Mathematicians, their works and Astronomy organized by the Department of Mathematics, Global Academy of Technology, Bangalore in association with Indian Space Research Organization[ISRO] (February 17 & 18 , 2017).
9. One week Faculty Development Programme on Discrete Mathematics, Modelling & Computational Techniques in Science & engineering Organized by the Department of Mathematics, MSRIT, Bangalore (January 16 – 21 , 2017).
10. Five Days Faculty Development Programme on FDP on Theory and Applications of Mathematical Modelling in Engineering organized by the Department of Mathematics, MSRIT, Bangalore (July 26 – 30 , 2016).
11. The short course on “*Innovative Teaching methods* “BNM Institute of Technology, Bangalore (July 18 - 23, 2016) (Govt of India, Ministry of Human Resource Department, Chennai).
12. One Day National Seminar on Religion, Environment and Human Rights organized by National Law School of India University, Bengaluru in association with Arunodaya Institute of Legal Studies, Bengaluru at NLSIU, Bengaluru (March 2, 2016).

13. Three Days Faculty Development Programme on Applied Mathematical in Engineering (Under TEQIP Phase –II) organized by the Department of Mathematics, MSRIT, Bangalore (January 12 – 14 , 2016).
14. A three day workshop on “ Preparation for Accreditation by NBA” organized by BNMIT, Bangalore (December 03 – 05, 2015).
15. Three Days Faculty Development Programme on Applied Mathematical Modeling (Under TEQIP Phase –II) organized by the Department of Mathematics, MSRIT, Bangalore(July 13 – 15 , 2015).
16. One Week Workshop on Entrepreneurship Development Programme organized by E – Cell, Department of MBA, BNMIT, Bangalore (January 27 – 31, 2015).
17. A training – cum – faculty development programme on “ Cyber Security & Cyber laws” conducted by the advanced centre for research, development & training in cyber laws & forensics, national Law School of India University, Bangalore in collaboration with BNMIT, Bangalore (August 20,2014).
18. One Day Seminar on Statistical Modeling Analysis and Its Applications to Engineering organized by the Department of Mathematics, MSRIT, Bangalore(July 8, 2014).
19. Three Day Faculty Development Program on Computational Techniques for Research organized by RVCE, Bangalore (April 08 – 10,2013).
20. Three Day Faculty Development Program organized by BNMIT, Bangalore (July 18 – 20, 2012)
21. Internalize Intellectual Property & Strategic Management of IPR, organized by VTU, Belgaum at BNMIT, Bangalore (March 2, 2012).
22. Third National conference on emerging trends in fluid mechanics and Graph theory held at Christ University, Bangalore (Feb 16 -17,2012)
23. One day workshop on Mathematical Modeling and its Applications, B M S Institute of Technology, Bangalore (April 13, 2011).
24. National workshop on Analytical and Numerical Solutions of Non-linear Differential Equations, Amrita School of Engineering, Bangalore (March 18-19, 2011).
25. A three day workshop on Scilab, funded by the National Mission on Education through Information, Communication Technology, R V C E, Bangalore (September 13 – 15, 2010).
26. One day workshop on linear Algebra and its applications, Atria Institute of Technology, Bangalore (August 30, 2010).
27. MISSION 10X Programme at Oxford College of Engineering , Bangalore (January 29 – 31, 2009)
28. A workshop on High Impact Teaching Skills attested by Dale Carnegie & Associates, Inc. Trainer and Wipro (January 27 – 28,2009).
29. One day workshop on Emerging Trends in Soft Computing, B.N.M. Institute of Technology, Bangalore(October 31,2008).
30. Two – day workshop on Linear Algebra & its Applications, P.E.S. Institute of Technology, Bangalore (August 05-06, 2008).
31. Two – Day National Conference on Applications of Graph Theory, R.V. College of Engineering , Bangalore – 560 059 (April 12 – 13, 2007).
32. Three days National Seminar on Graph Theory & Algorithms, jointly organized by CSE, PESIT and Discrete Mathematics & Applications, at PES Institute of Technology, Bangalore (June 10 – 12, 2006).
33. One day workshop on “Scheme of teaching on Discrete Mathematical Structures”, Mathematics Teacher’s Association (VTU) and AMC Engineering College, Bangalore (September 12, 2004).

34. The short course on “*Instructional design and delivery*” “BNM Institute of Technology, Bangalore (August 09-14, 2004) (Govt of India, Ministry of Human Resource Department, Chennai).
35. One-day workshop on *Z – Transforms & its applications*, East Point College of Engineering & Technology, Bangalore (August 27, 2003).
36. The Mathematics workshop on “*Sankhya vallari*”, SBMJC, Bangalore (August 09,2003)
37. The two day workshop on “Modeling of Nano and Smart materials” held at the UGC- Centre for Advanced studies in Fluid Mechanics, Department of Mathematics, Bangalore University, Central College campus, *Bangalore* (March 28 – 29, 2003).
38. The scheme of teaching and setting model paper of third semester B.E. in Mathematics under VTU, held at hotel Pentagon, Mangalore under auspices of NMAM Institute of Technology, NITTE, *Mangalore* (November 14, 1999).
39. The UGC Zonal workshop for Southern region on “Mathematical Modeling of Environmental Pollution and Materials Science held at UGC-DSA Centre in Fluid Mechanics, Department of Mathematics, Bangalore University, *Bangalore* (May 17 - 20, 1999).
40. International Workshop on Role of Fluid Mechanics in Materials Processing and Manufacturing, UGC-DSA Centre in Fluid Mechanics, Bangalore University, *Bangalore* (January 1 - 3, 1996).
41. Instructional Conference on Bio-*Fluid Dynamics*, UGC-DSA Centre in Fluid Mechanics, Bangalore University, *Bangalore* (December 5-9, 1994).
42. Instruction Conference on Differential Equations at TIFR, *Bangalore* (May 7-28, 1990).

Visits Abroad:

1. Visited Malaysia to conduct viva voce at Nottingham University, Malaysia in Department of Chemical Engineering (February 12 - 15, 2015).
2. Visited Malaysia to conduct scientific research and also to deliver an invited talk in the Department of civil Engineering, University of Nottingham, Malaysia campus (February 16 – 25, 2011).
3. Visited Western Australia to present a paper in the International Conference on Hydro Dynamics (2004).
4. Visited *Indonesia* to present a paper in the Fluid Thermal Energy Conversion’ 97 (FTEC) (1997).
5. Visited National University of Singapore, *Singapore* (1997).

Personal Details:

- **Date of Birth:** 05- 10 –1964 **Gender :** Male.
- **Family Details: Spouse :** Kamakshi K. N., **Daughter :** Anagha M. Nag
- **Passport Number:** L 7172796 (valid till 19th February 2024)

28th May 2019

MANJUNATH S.