CURRICULUM VITAE

Dr. Shashikumar N S

Mobile No. : 9481403313, 6363261458

E-Mail : shashinsbr@gmail.com

Personal Details:

Date of Birth	: 02-11-1991
Place of Birth	: Birur
Father Name	: Shankarappa K
Mother Name	: Anasuya
Gender	: Male
Religion	: Hindu
Caste	: Uppara
Category	: C-I
Marital status	: Married
Languages Known	: English, Kannada
Permanent Address	: Shashikumar N.S. S/o Shankarappa K Ward no.08, Ajjampura road 2nd cross, Birur, kadur(tq), chikmagalur(dist). Pin code: 577116. Phone No: 9481403313, 6363261458.

Academic Experience: Worked as Lecturer in Government First Grade College, Tarikere, from 12.01.2015 – 21.01.2016.

Working as Assistant Professor in Malnad College of Engineering, Hassan from 21.8.2019 to till dates.

Details of Published:

1) "Irreversibility analysis of the MHD Williamson fluid flow through a microchannel with thermal radiation." Waves in Random and Complex Media (2022): 1-23. **Impact Factor- 4.051 (SCI/ Scopus/Q2)**

2) "Second law analysis of MHD Carreau fluid flow through a microchannel with thermal radiation." Waves in Random and Complex Media (2022): 1-25. **Impact Factor- 4.853 (SCI/ Scopus/Q2)**
3) "Entropy Generation Analysis of MHD Micropolar Nanofluid Flow through a Micro Channel." Discontinuity, Nonlinearity, and Complexity 11.04 (2022): 569-582. **(Scopus/Q4)**
4) "Entropy generation analysis of radiative Williamson fluid flow in an inclined microchannel with multiple slip and convective heating boundary effects." Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering (2021): 09544089211049863. **Impact Factor- 2.4 (SCI/ Scopus/Q2)**
5) "Thermal analysis of MHD Williamson fluid flow through a microchannel." International Communications in Heat and Mass Transfer 127 (2021): 105582. **Impact Factor- 7 (SCI/ Scopus/Q1)**
6) "Heat transfer enhancement due to nanoparticles, magnetic field, thermal and exponential space-dependent heat source aspects in nanoliquid flow past a stretchable spinning disk." Journal of Thermal Analysis and Calorimetry 145.6 (2021): 3339-3347. **Impact Factor- 4.4 (SCI/ Scopus/Q2)**
7) "Three dimensional boundary layer flow of MHD Maxwell nanofluid over a non-linearly stretching sheet with nonlinear thermal radiation." Journal of Applied Nonlinear Dynamics 10.02 (2021): 263-277. **(Scopus/Q4)**
8) "Heat transfer optimization of hybrid nanomaterial using modified Buongiorno model: a sensitivity analysis." International Journal of Heat and Mass Transfer 171 (2021): 121081. **Impact Factor- 5.2 (SCI/ Scopus/Q1)**
9) "Thermal analysis of MHD Powell–Eyring fluid flow through a vertical microchannel." International Journal of Ambient Energy (2021): 1-9. **(Scopus/Q2)**
10) "Second law analysis of MHD third-grade fluid flow through the microchannel." Pramana- Journal of Physics, 95.1 (2021): 1-10. **Impact Factor- 2.8 (SCI/ Scopus/Q2)**
11) "Thermal and entropy generation of non-Newtonian magneto-Carreau fluid flow in microchannel." Journal of Thermal Analysis and Calorimetry 143.3 (2021): 2717-2727. **Impact Factor- 4.4 (SCI/ Scopus/Q2)**
12) "Second Law Analysis of MHD Micropolar Fluid Flow through a Porous Microchannel with Multiple Slip and Convective Boundary Conditions." Defect and Diffusion Forum. 409 (2021). **(Scopus/Q4)**

13) "Performance of second law in Carreau fluid flow by an inclined microchannel with radiative heated convective condition." International Communications in Heat and Mass Transfer 117 (2020): 104761. **Impact Factor- 7 (SCI/ Scopus/Q1)**
14) "Impact of nonlinear thermal radiation on magnetohydrodynamic three dimensional boundary layer flow of Jeffrey nanofluid over a nonlinearly permeable stretching sheet." Physica A: Statistical Mechanics and its Applications 549 (2020): 124051. **Impact Factor- 3.3 (SCI/ Scopus/Q1)**
15) "Finite element analysis of micropolar nanofluid flow through an inclined microchannel with thermal radiation." Multidiscipline Modeling in Materials and Structures 16.6 (2020): 1521-1538. **Impact Factor- 2 (SCI/ Scopus/Q2)**
16) "Magnetohydrodynamic flow of dusty fluid over Riga plate with deforming isothermal surfaces with convective boundary condition." Songklanakarin Journal of Science and Technology 42.3 (2020): 487-495. **(Scopus/Q3)**
17) "Entropy generation and heat transport analysis of Casson fluid flow with viscous and Joule heating in an inclined porous microchannel." Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering 233.5 (2019): 1173-1184. **Impact Factor- 2.4 (SCI/ Scopus/Q2)**
18) "Effectiveness of Hall current and exponential heat source on unsteady heat transport of dusty TiO2-EO nanoliquid with nonlinear radiative heat." Journal of Computational Design and Engineering 6.4 (2019): 551-561. **Impact Factor- 4.9 (SCI/ Scopus/Q1)**
19) "Heat transfer and entropy generation analysis of non-Newtonian flu flow through vertical microchannel with convective boundary condition." Applied Mathematics and Mechanics 40 (2019): 1285-1300. **Impact Factor- 4.4 (SCI/ Scopus/Q2)**
20) "Second law analysis of Powell–Eyring fluid flow through an inclined microchannel with thermal radiation." Physica Scripta 94.12 (2019): 125205. **Impact Factor- 2.9 (SCI/ Scopus/Q2)**
21) "MHD flow of SWCNT and MWCNT nanoliquids past a rotating stretchable disk with thermal and exponential space dependent heat source." Physica Scripta 94.8 (2019): 085214. **Impact Factor- 2.9 (SCI/ Scopus/Q2)**
22) "Brinkman-Forchheimer slip flow subject to exponential space and thermal-dependent heat source in a microchannel utilizing SWCNT and MWCNT nanoliquids." Heat Transfer—Asian Research 48.5 (2019): 1688-1708. **(Scopus)**

23) "Thermodynamics analysis of a Casson nanofluid flow through a porous microchannel in the presence of hydrodynamic slip: a model of solar radiation." Journal of Nanofluids 8.1 (2019): 63-72. **(Scopus/ Q3)**
24) "Entropy generation analysis of magneto-nanoliquids embedded with aluminium and titanium alloy nanoparticles in microchannel with partial slips and convective conditions." International Journal of Numerical Methods for Heat & Fluid Flow 29.10 (2019): 3638-3658. **Impact Factor- 4.2 (SCI/ Scopus/Q1)**
25) "Three-dimensional boundary layer flow and heat transfer of a dusty fluid towards a stretching sheet with convective boundary conditions." Journal of Computational & Applied Research in Mechanical Engineering (JCARME) 8.1 (2018): 25-38. **(Scopus/ Q3)**
26) "Brinkman-Forchheimer flow of SWCNT and MWCNT magneto-nanoliquids in a microchannel with multiple slips and Joule heating aspects." Multidiscipline Modeling in Materials and Structures 14.4 (2018): 769-786. **Impact Factor- 2 (SCI/ Scopus/Q2)**
27) "Marangoni convection in Casson liquid flow due to an infinite disk with exponential space dependent heat source and cross-diffusion effects." Results in Physics 9 (2018): 78-85. **Impact Factor- 5.3 (SCI/ Scopus/Q2)**
28) "Thermodynamics analysis of MHD Casson fluid slip flow in a porous microchannel with thermal radiation." Diffusion foundations. Vol. 16. Trans Tech Publications Ltd, 2018.
29) "MHD nanofluid flow past a rotating disk with thermal radiation in the presence of aluminum and titanium alloy nanoparticles." Defect and Diffusion Forum. Vol. 384. Trans Tech Publications Ltd, 2018. **(Scopus/Q4)**
30) "Marangoni convection radiative flow of dusty nanoliquid with exponential space dependent heat source." Nuclear Engineering and Technology 49.8 (2017): 1660-1668. **Impact Factor- 2.7 (SCI/ Scopus/Q1)**
31) "Marangoni convective MHD flow of SWCNT and MWCNT nanoliquids due to a disk with solar radiation and irregular heat source." Physica E: Low-dimensional Systems and Nanostructures 94 (2017): 25-30. **Impact Factor- 3.3 (SCI/ Scopus/Q2)**
32) "Boundary layer flow and heat transfer of fluid particle suspension with nanoparticles over a nonlinear stretching sheet embedded in a porous medium." Nonlinear Engineering 6.3 (2017): 179-190. **(Scopus/Q2)**

33) "Boundary Layer Flow and Heat Transfer of Nanofluid with Fluid Particle Suspension Over a Nonlinear Stretching Sheet in the Presence of Thermal Radiation." Journal of Nanofluids 6.3 (2017): 487-495. **(Scopus/ Q3)**

34) "Boundary layer flow of dusty fluid over a radiating stretching surface embedded in a thermally stratified porous medium in the presence of uniform heat source." Nonlinear Engineering 6.1 (2017): 31-41. **(Scopus/Q2)**

35) "Effects of nonlinear thermal radiation and second order slip on Casson nanofluid flow between parallel plates." Defect and Diffusion Forum. Vol. 377. Trans Tech Publications Ltd, 2017. **(Scopus/Q4)**

Details of Communicated Papers:

1) "Thermal analysis of MHD Tangent hyperbolic fluid flow through microchannel", revision submitted to Waves in Random and Complex Media.
2) "Irreversibility Analysis of Eyring-Powell fluid flow through a microchannel under the effect of magnetic field", submitted to Journal of Nanomaterials, Nanoengineering and Nanosystems.
3) "Entropy generation analysis of Tangent hyperbolic fluid flow through an inclined microchannel with multiple slip effects" submitted to International Journal of Numerical Methods for Heat and Fluid Flow.

Details of Attended/Presented in National/ International workshops/seminars/ Webinar/conferences:

1. Participated in 5 days online faculty development programme on '**ADVANCED AND TECHANICAL COMPUTING WITH MATLAB**' organized by Department of Mathematics, School of Engineering, Presidency Univeristy Bengaluru form 25th to 29th July 2023.
2. Participated in International Seminar on '**APPLICATIONS OF MATHEMATICS IN EINSTEIN THEORY OF RELATIVITY**' organized by Department of Mathematics, D.V,S. College of Arts, Science & Commerce, Shivamogga, Karnataka, India on 13th July 2023.
3. Participated in Three day Workshop for '**Mathematics Using Python**', held on 08th-10th December-2022, organized by Vidyavardhaka College of Engineering, Mysore.

4. Participated in '**Outcome Based Education**', held on 19th-23rd September-2022, organized by Department of Civil, Mechanical and Electrical & Electronic Engineering Malnad College of Engineering, Hassan.
5. Participated and successfully completed one week AICTE sponsored Phase 2 online Short-Term Program on '**Creating Smart and Green Society through Advance Technology of Green Energy'**, held on 17th-22nd December-2020, organized by Malnad College of Engineering, Hassan.
6. Participated and successfully completed one week AICTE sponsored Phase 1 online Short-Term Program on '**Creating Smart and Green Society through Advance Technology of Green Energy**', held on 10th-15th December-2020, organized by Malnad College of Engineering, Hassan.
7. Attended Webinar series on on '**Research and Innovation**', held on 17th-21st Augaust-2020, organized by Department of Information Science and Engineering, Vidyavardhaka College of Enigineering, Mysore.
8. Attended Webinar on '**Vedic mathematics**', held on 13th-14th Augaust-2020, organized by Department of Mechanical Engineering, Bahubali College of Engineering, Shravanabelagola, Hassan.
9. Participated in '**FEEL Teacher-Devloping, Counselling, Mentoring' Learning and Development Intervention**, organized by Malnad College of Engineering, and conducted by College for Leadership and HRD, Mangaluru, on 02November 2019, at MCE Hassan.
10. "Thermal Analysis of Eyring-Powell fluid flow through a microchannel under the effect of magnetic field", presented at National Conference on "**Recent Development of Mathematics in Industrial applications"** held on 11th-12th April-2019 at Department of Mathematics, Kuvempu University, Jnana Sahyadri, Shankaraghatta.
11. "Entropy Genration Analysis of Micro Polar Fluid Flow In a Microchannel", presented at National Seminar on "**Recent Trends & Applications in Mathematics"** held on 26th March-2019 at Department of Mathematics, Government Science College, Chitradurga.
12. "Entropy generation and heat transfer analysis of MHD third grade fluid flow through a Porous microchannel", presented at International Conference on "**Emerging Trends in Computaional Fluid Dynamics"** held on 27th-28th February-2019 at Department of Mathematics, Christ (Deemed to be University), Bangalore.
13. "Brinkman-Forchheimer flow of SWCNT and MWCNT magneto-nanoliquids in a microchannel with multiple slips and Joule heating aspects", presented at State Level

Seminar on "**Application of Mathematics"** held on 16th February-2019 at Department of Mathematics, Sahyadri Science College, Shivamogga.

14. "Entropy Generation Analysis of MHD Casson Fluid Flow Through a Porous Microchannel in the presence of Hydrodynamic Slip: A Model of Solar Radiation", presented at International Conference on "**Computational Fluid Flow and Heat Transfer**" held on 28th-29th March-2018 at Department of Mathematics, Osmania University, Hyderabad.
15. "Thermodynamics Analysis of MHD Casson fluid Slip flow in a Porous Microchannel with Thermal Radiation", presented at International Conference of International Academy of Physical Sciences on "**Recent Advances in Physical Sciences and future Challenges"** held on 14-16th July-2017 at Department of Mathematics, Osmania University, Hyderabad.
16. Attended the State level seminar on "**Advances in Mathematics and its Applications**" held on 24th March 2017, organized by Department of Mathematics, Sahyadri science college (Autonomous), Shivamogga.
17. "Boundary layer flow of dusty fluid over a permeable radiating stretching surface embedded in a thermally stratified porous medium in the presence of uniform heat source" presented at International conference on "**Mathematical Modelling** " held on 23rd-24th December 2016, at Department of Mathematics, DON BOSCO Institute of Technology, Bengaluru.
18. Attended the Science Academies Lecture workshop on "**Computational Fluid Dynamics**" held on 21st and 22nd October 2016, organized by Department of P.G Studies and Research in Mathematics, Kuvempu University, Shankaraghatta.
19. "Melting Heat Transfer on MHD Stagnation Point Flow of Micropolar Fluid towards a Stretching Sheet with Thermal Radiation in the Presence of Nanoparticle" presented at National Conference on "**An Insightinto Analysis and Applications of Mathematics**" held on 24th August 2016, at National College, Jayanagar, Bangalore.
20. "Melting Heat Transfer on MHD Stagnation Point Flow of Micropolar Fluid towards a Stretching Sheet with Thermal Radiation in the Presence of Nanoparticle" presented at National Conference on "**Geometry, Topology & their Applications**" 3rd-4th August-2016 in the Department of Mathematics, Karnatak University, Dharwad.
21. "Boundary layer flow of dusty fluid over a stretching sheet in the presence of nonlinear thermal radiation" presented at National workshop on "**Partial Differential Equations and Numerical Methods in Fluid Dynamics"** held on 4-5th March-2016 in the Department of Mathematics, Govt. First Grade College, Koppa.

22. Attended the UGC Sponsored two day National Seminar on "**Recent Advances in Mathematics and its Applications (NSRAMA-2016)"** held on 18-19th February-2016 at JSS college of Arts, Commerce and Science, Ooty road, Mysuru.
23. "Boundary Layer flow of Nanofluid with Fluid Particle Suspension over a Nonlinear Stretching Sheet" presented at International Conference on "**Differential Geometry, Analysis and Fluid Mechanics (ICDGAFM - 2016)**" held on 4-5th February-2016, Department of P.G Studies and Research in Mathematics, Kuvempu University, Shankaraghatta.
24. Attended two day national conference on "**Advances in Geometry, analysis and Fluid Mechanics(NCAGAF-2014)"** held on 26-27th August-2014 at Department of P.G Studies and Research in Mathematics, Kuvempu University, Shankaraghatta.
25. Participated in two days **"Maths Fest"** held on 22nd -23rd February-2013 at Department of P.G Studies and Research in Mathematics, Kuvempu University, Shankaraghatta.
26. Attended the Karnataka Science and Techonology Academy, Government of Karnataka Sponsored two day "**special lecture series in Mathematics"** "held on 4-6th October-2012 at Department of P.G Studies and Research in Mathematics, Kuvempu University, Shankaraghatta.

Professional Reviewing Services for:

1. International Communications in Heat and Mass Transfer (Elsevier)
2. Waves in Random and Complex Media (Taylor & Francis)
3. Journal of Thermal Analysis and Calorimetry (Springer)
4. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering (SAGE Publications)
5. Case studies in Thermal Engineering (Elsevier)
6. International Journal of Thermofluids (Elsevier)
7. International Journal of Ambient Energy (Taylor & Francis)
8. International journal of Modelling and simulation (Elsevier)
9. Progress in Reaction in kinetics (SAGE Publications)
10. Journal of Nanofluids (American Scientific Publishers)
11. Physica Scripta (IOP Publishing Limited)
12. Physica A: Statistical Mechanics and its Applications (Elsevier)
13. International journal of numerical methods for heat & fluid flow (Emerald Publishing Limited)

14. Scientific Reports (Nature)
15. Tribology International (Elsevier)
16. Numerical Heat Transfer, Part B: Fundamentals (Taylor & Francis)
17. Numerical Heat Transfer, Part A: Applications (Taylor & Francis)
18. Heliyon (Elsevier)
19. International Journal of Electrochemical Science (Elsevier)
20. Alexandria Engineering Journal (Elsevier)

Student Working for Ph.D., Degree:

1) Name: Niharika Hegde M
   Title: Thermal analysis of non-Newtonian fluid flow over various geometry.
2) Name: Suma D
   Title: Newtonian/non-Newtonian fluid flow and heat transfer analysis through a different geometry (Cleared Entrance test- waiting for registration).

Citation Details:

Google Scholar Citation	**: 1219**
h-index	**: 22**
i10-index	**: 26**
Scopus Documents	**: 34**
Citation	**: 1033**
h-index	**: 20**

Academic and administrative work:

Institution Level: Faculty Coordinator for Dean (Academic Affair), Inter-Disciplinary Student Project Committee member, Institutional Research Advisory Committee member, NAAC Criteria 4 Coordinator, Faculty Advisor, Stack verification work, Anti ranging member.

Department Level: Course Coordinator, Research Coordinator, Website Coordinator, BOS Member, BOE Member, Timetable Coordinator, CIE Coordinator, NEP Coordinator, UGC Autonomous Coordinator, Self-Audit Coordinator.

Date: 05/09/2023 **Yours Sincerely,**
Place: Hassan **(Shashikumar N S)**