CURRICULUM VITAE

1. Name and full correspondence address : Dr. E. Sudhakara
Head, Department of mathematics
YSR Vivekananda
Govt. Degree College
Vempalli- 516 329
Kadapa (Dt.) (A.P.) India

2. Email(s) and contact number(s): drsudhakar12@gmail.com
91-7382116514
3. Institution: YSR Vivekadanda Govt. Degree College
Vempalli- 516 329 (A.P) India
4. Date of Birth: 26-12-1983
5. Date of Joining in the Govt. Service: 02-09-2021
6. Nationality: Indian
7. Academic Qualification (Undergraduate onwards):

Name of the Course	**Institution**	**University / Board**	**Year of Passing**	**Aggregate**
Ph.D. (Mathematics)	S. V. U. College of sciences, Tirupati, A.P.	S.V. University, Tirupati, A.P.	2013	awarded
M.Sc. (Mathematics)	S.V.U. College of Mathematical and Physical Sciences, Tirupati, A.P.	S.V. University, Tirupati, A.P.	2007	55.5%
Bachelor of Science (MPC)	S.V.Arts College, Tirupati, A.P.	S.V. University, Tirupati, A.P.	2005	65.5%
Intermediate (MPC)	Margadarsi Jr. College, Piler	Board of Intermediate Education, Hyderabad, A.P.	2002	66.5%
Secondary School Certificate	Govt. High School, Piler	Board of Secondary Education, Hyderabad, A.P.	2000	61.6%

8. Ph.D., Thesis title: Some studies on pulsatile and convective non-Newtonian fluid flows (Fluid Dynamics) (2013)

TEACHING EXPERIENCE: 14years

Present Working as Lecturer in Mathematics, YSR Vivekananda Govt. Degree College, Vempalli from 02-09-2021 to till date

RESEARCH EXPERIENCE: 11 years

PUBLICATIONS: 29

1. MHD free convective flow of a Jeffrey fluid between two coaxial impermeable and permeable cylinders, ***International Journal of Engineering and Interdisciplinary Mathematics,*** (***IJEIM***), **2012** with S. Sreenadh and J. Prakash.
2. Pulsatile flow of a hydromagnetic Jeffrey fluid between permeable beds, ***International Journal of Mathematical Archive***, **2012** With S. Sreenadh and G. Bhaskar Reddy.
3. Three dimensional Magnetohyrodynamic flow of a Jeffrey fluid between two porous disks, ***International J. of Math. Sci. & Engg. Appls. (IJMSEA),*** **2012** with S. Sreenadh. and G. Bhaskar Reddy. ***Impact Factor****: 0.2*
4. Pulsatile flow of a micropolar fluid between Permeable layers, ***"International J. of Math. Sci. & Engg. Appls. (IJMSEA)"*** **2013** with S. Sreenadh and A.Parandhama ***Impact Factor :*** 0.2
5. Free convective MHD Jeffrey fluid flow between two coaxial permeable cylinders. ***International J. of Math. Sci. & Engg. Appls. (IJMSEA),*** **2013** with S. Sreenadh and B. Govindarajulu ***Impact Factor :*** 0.2752
6. MHD flow of an ionized gas in a parallel plate channel with porous lining. ***International J. of Math. Sci. & Engg. Appls. (IJMSEA),*** **2013** with A.Ramadevi, S.Sreenadh and V.Rameshbabu ***Impact Factor :*** 0.2
7. An Alternative Travelling Salesman Problem. ***International Journal of Engineering Sciences & Research Technology. (IJESRT),*** **2013** with S. Sreenadh, S.V.K. Varma and P.Madhu Mohan Reddy ***Impact Factor :*** 1.852.
8. Free Convective MHD Jeffrey Fluid Flow between two Coaxial Inclined Permeable Cylinders. ***International Journal of Engineering Sciences & Research Technology. (IJESRT),*** **2013** with S. Sreenadh and P. Madhu Mohan Reddy ***Impact Factor :*** 1.852.
9. Polymeric Fluid Flow Obeying ECTN Model in an Inclined Circular Tube with Permeable wall. ***International Journal of Engineering Sciences & Research Technology. (IJESRT),*** **2013** with S. Sreenadh, B. Govindarajulu and A.Parandhama. ***Impact Factor :*** 1.852.

10. MHD Pulsatile Flow of an Oldroyd fluid in a Channel of Porous Medium. ***IIE INT,L Conference Proceedings of International Conference on Advances in Engineering Sciences and Applied Mathematics (ICAESAM-2013)*** with S.Sreenadh and J. Prakash.
11. Mathematical theory of steady heat transfer in a thin film flow of a Micropolar Fluid over an inclined permeable bed. ***International Journal of Scientific Research Engineering and Technology (IJSRET),*** **2014** with S. Sreenadh, P.Madhu Mohan Reddy and A.Parandhama.
12. Oscillatory flow of a conducting viscous fluid in a horizontal composite porous medium Channel. ***International Journal of Research in computer applications and Robotics Engineering and Technology (IJRCAR),*** **2014** with S. Sreenadh and A.Parandhama. ***Impact Factor :*** 1.142.
13. Flow of a Jeffrey fluid between finite deformable porous layers. ***International Journal of Engineering Sciences & Research Technology. (IJESRT),*** **2014** with S. Sreenadh, A. Parandhama and M. Krishna Murthy. ***Impact Factor :*** 1.852.
14. Unsteady Couette flow of a Bingham fluid in contact with a Jeffrey fluid. ***International Journal of Engineering Sciences & Research Technology. (IJESRT),*** **2014** with S. Sreenadh, D. Venkateswar Naidu and R. Saravana. ***Impact Factor :*** 1.852.
15. Constrained Seasonal group assignment model. ***International Journal of Research in computer applications and Robotics Engineering and Technology (IJRCAR),*** **2014** with P. Revathi, P. Madhu Mohan Reddy and V.K. Somasekhar Srinivas, ***Impact Factor :*** 1.142.
16. The effect of the thickness of the porous material on the parallel plate channel flow of Jeffrey fluid when the walls are provided with non-erodible porous lining. ***International Journal of Scientific and Innovative Mathematical Research (IJSIMR),*** **2014** with K.Kumara swamy Naidu, S.Sreenadh and P.V.Arunachalam. Impact Factor: 3.97
17. Couette flow over a deformable permeable bed. ***International Journal of Innovative Research in Science & Engineering (IJIRSE),*** **2014** with S. Sreenadh, M. Krishnamurthy and G. Gopi Krishna. Impact Factor: 0.66
18. Free convection in MHD flow between vertical plates moving in opposite direction with heat source and chemical reaction, ***International Journal of Scientific and Innovative Mathematical Research (IJSIMR),*** **2015** with S. Sreenadh, G. Gopi Krishna and P. Dhanalakshmi
19. Viscous flow and heat transfer in a vertical channel with deformable porous layer

Medium. ***International Knowledge sharing platform*** (IISTE), **2015** with S. Sreenadh, G. Gopi Krishna and P. Dhanalakshmi

20. MHD convection flow of a couple stress fluid through a vertical porous stratum**.** ***World Applied Science***, **2015** with S. Sreenadh, M. Krishnamurthy and G. Gopi Krishna
21. MHD Free Surface flow of a Jeffrey fluid over a Deformable Porous Layer. ***Global Journal of Pure and Applied Mathematics,*** **2015** with *S.* Sreenadh, M. Krishnamurthy, G. Gopi Krishna and D. Venkateswarlu Naidu.
22. Squeezing flow of a viscous fluid between two porous disks. ***Global Journal of Pure and Applied Mathematics***, **2015** with S. Sreenadh, G. Bhaskar Reddy and D. Venkateswarlu Naidu.
23. Effects of free convection on steady flow through a vertical deformable porous layer with constant heat source. ***Global Journal of Pure and Applied Mathematics***, **2015** with *S.* Sreenadh, G. Gopi Krishna, P. Dhanalakshmi and K. Kumaraswamy Naidu.
24. MHD couette flow of a Jeffrey fluid over a deformable porous layer. ***International journal of applied and Computational Mathematics (Springer),*** **2016** with *S.* Sreenadh, K.V. Prasad and G. Gopi Krishna
25. Effect of Heat Transfer on free surface flow of a Jeffrey fluid over a Deformable Permeable bed. ***Middle-East Journal Of Scientific research***, **2016** with S. Sreenadh, M. Krishnamurthy and M. Easwar Rao
26. Free convective flow of a Jeffrey fluid in an inclined circular tube. ***International journal of Engineering, Science and Mathematics,*** **2017** with S. Dhananjaya and P.V. Arunachalam
27. Fully developed free convective flow of a Jeffrey fluid in a circular pipe. ***International journal of advance Engineering and research development***, **2017** with K. Chandrasekhar Reddy
28. MHD Couette flow of viscous fluid in an inclined porous channel with chemical Rection ***Global Journal of Pure and Applied Mathematics,*** **2016** with *S.* Sreenadh, G. Gopi Krishna and D. Venkateswarlu Naidu.
29. Entropy generation analysis for MHD flow through a vertical deformable porous layer. ***Journal of Porous medium (Begell house)***, (Accepted for publication) **2017** with S. Sreenadh, G. Gopi Krishna and ANS Srinivas.

PAPERS PRESENTED IN CONFERENCES: 9

1. Presented a Paper entitled "Free Convective MHD Jeffrey Fluid Flow between Two Coaxial Circular Pipes", in an National Seminar on Recent Development in Mathematics held during December 22-23, 2011, at Department of Mathematics, Sri Venkateswara University, Tirupati.

2. Presented a Paper entitled " On Pulsatile MHD flow of an Oldroyd fluid through a porous medium" in an National Seminar on Recent Trends in fluid Mechanics during March 14-15, 2012, at Department of Mathematics, Sri Venkateswara University, Tirupati.

3. Presented a Paper entitled " Pulsatile flow of a micropolar fluid between permeable layers" in an National Seminar on Recent Trends in Mathematics held on December 22, 2012, at Department of Mathematics, Sri Venkateswara University, Tirupati.
4. Presented a Paper entitled "Free Convective MHD Jeffrey Fluid Flow between Two Coaxial Circular Cylinders", in an National Seminar on Advances in fluid Dynamics" held on 30th May, 2013, at Department of Mathematics, Sri Venkateswara University, Tirupati.
5. Presented a Paper entitled " Free Convective Flow of a Jeffrey Fluid in a Circular Pipe" in an "National Seminar on Recent Developments in Mathematical Sciences" held on 28th June, 2013, at Department of Mathematics, Sri Venkateswara University, Tirupati.
6. Presented a Paper entitled "The effect of thickness of the porous material on the parallel plane channel flow of Jeffrey fluid when the walls are provided with non-erodable porous lining", in an International Conference on Mathematical Sciences held during July 17-19, 2014, at Department of Mathematics, Sathyabama University, Chennai.

7. Presented a Paper entitled "Natural Convection Effects in Steady flow through a Vertical Deformable Porous Layer" in an "National Seminar on Mathematics and its Applications " during December 22-23, 2015, at Department of Mathematics, Sri Venkateswara University, Tirupati.

8. Presented a Paper entitled " Viscous flow in an inclined deformable porous channel bounded by moving rigid plates" in an "National Conference on Recent trends in

Mathematics and its applications" during December 22-23, 2016, at Department of Mathematics, Sri Venkateswara University, Tirupati.

9. Presented a Paper entitled " MHD fully developed free convective flow of a Jeffrey fluid in a circular tube" in an " The Indian Science Congress Association" during January 03-07, 2017, Sri Venkateswara University, Tirupati

ATTENDED AT CONFERENCES / SEMINARS / WORKSHOPS

1. Attend the " National Workshop on Mathematical Models for Biofluid Flows and Applications" held during January 22-26, 2010, at Department of Mathematics, Sri Venkateswara University, Tirupati.
2. Attend the "National Workshop on Ancient Indian Mathematics with special reference to Vedic Mathematics and Astronomy' held during September 20-24, 2010, at Department of Mathematics, Rashtriya Sanskrit Vidyapeetha, Tirupati.
3. Attend the " International Workshop on Mathematical and Computational Fluid Dynamics" held during December 13-15, 2010, at Department of Mathematics, Sathyabama University, Chennai.
4. Attend the "National Workshop on Mathematical Modelling, Computational Aspects for Continuum Mechanics " held during December 20-22, 2010, at Department of Mathematics, Osmania University, Hyderabad.
5. Attend the "International Conference on Recent Advances in Fluid Mechanics" held during December 23-24,2010, at Department of Mathematics, Osmania University, Hyderabad.
6. Attend the " National Conference on Advances in Mathematical Sciences" held during March 28-29, 2011, at Department of Mathematics, Sri Venkateswara University, Tirupati.
7. Attend the "National Seminar on Present Trends in Algebra and its Applications" held during July 11-12, 2011, at Department of Mathematics, J.M.J. College for Women, Tenali.
8. Attend the "Science Academies Lecture Workshop on Mathematical Modelling in Science and Engineering" held during January 24-25, 2012, at Department of Mathematics, Sri Venkateswara University, Tirupati.

9. Attend the " The Indian Science Congress Association" held during January 03-07, 2017, at Sri Venkateswara University, Tirupati.

10. Attend the "Science Academies Lecture Workshop on Applications of Differential Equations in Engineering and Biology" held during March 09-11, 2017, at Department of Mathematics, Sri Venkateswara University, Tirupati

DECLARATION

I hereby declare that the above information is correct to the best of my knowledge and belief.

(Dr. E.SUDHAKARA)