RAYALASEEMA UNIVERSITY

(A State University Established by Govt. of Andhra Pradesh)

(Accredited by NAAC with 'B' Grade)

KURNOOL – 518007, ANDHRA PRADESH

FACULTY PROFILE

1	Name of the Faculty	:	Dr. S. V. Suneetha			
2	Designation	:	ASSITANT PROFESSOR (C)			
3	Department	:	Mathematics			
4	Date of Birth	:	06-08-1974			
5	Date of Joining	:	15-08-2007			
6	Academic Qualifications		UG Degree	PG Degree		Research Degree
	Name of the Degree	:	B.Sc.	MSc Mathematics.		PhD
	Class / Grade Awarded	:	First Class	First with Distinction		First Class
	Board / University	:	S.K University	S.K University		S.K University
	Year of receiving Degree	:	1995	2004		2010
7	Areas of Specialization	:	Fluid Dynamics			
8	Total Experience (Yrs.)	:	Teaching	Industry		Total
			18 years	-		18 years
9	Papers Presented	:	National	International		Total
			10	8		18
10	Research Publications	:	Journals	Conferences Proceedings		Books / Chapters
	National Level	:	10	4		-
	International Level	:	31	4		-
11	Participation in		Seminars	Conferences		Workshops
	National Level	:	1	3		3
	International Level	:	0	6		5
12	Ph.Ds. / Projects Guided	:	Completed:	3	Ongoing:	1
13	Research Projects handled	:	Major:	0	Minor:	-

14	**Fellowships / Memberships**	**:**		
15	**Awards / Achievements / Any other information**	**:**	**Academic & Administrative Contributions** 1. Worked as Deputy Warden for Women's Hostel at Rayalaseema University (2009 – 2020)**,** ensuring student welfare, discipline, and hostel management. 2. Appointed as Coordinator for the Department of Mathematics (2016-17)**,** overseeing academic programs, faculty coordination, and student progress. **Teaching Experience & Expertise** • Topology • Functional Analysis • Operator Theory • Graph Theory 1. Designed and delivered advanced mathematical courses at the postgraduate level. 2. Mentored and guided research scholars in mathematical modeling and computational mathematics. **Committees & Social Responsibilities** **1.** Member of Anti-Ragging Committee – Ensured a safe and disciplined campus environment. **2.** Women Protection Cell Coordinator – Worked towards gender sensitization, women empowerment, and student safety. **3.** Alumni Coordinator – Strengthened alumni relations, organized alumni events, and facilitated networking opportunities. **Recognitions & Achievements** 1. Recognized for outstanding contributions in student mentoring and hostel administration**.** 2. Actively involved in organizing workshops, conferences, and seminars at the national and international levels. 3. Successfully guided multiple research scholars and postgraduate students in applied mathematics.	
16	**Contact information**	**:**	**Mobile** **9866945663**	**Email ID** **sunithaknl17@gmail.com**

17	**List of Publications /Chapters/Books** **(APA Format)**		**International Journal Publications** 1. Waghmode, G., & Suneetha, S. V. (2019). *MHD free convective rotating flow of visco-elastic fluid through porous medium with Hall effects*. *Journal of Computer and Mathematical Sciences, 10*(5), 900-906. 2. Suneetha, S. V., Waghmode, G., Sridevi, B., & Krishna Rao, B. V. (2024). A review of nonlinear models and their role in dynamics. *Anvesak, 52*(1), 1-12. 3. Suneetha, S. V., Waghmode, G., & Krishna Rao, B. V. (2024). Applications of computation fluid dynamics in industry. *Shodhasamhita: Journal of Fundamental & Comparative Research, 10*(1), 158. Kavikulaguru Kalidas Sanskrit University, Ramtek. ISSN: 2277-7067. 4. Suneetha, S. V., Krishna, M. V., Venkateswarlu, S., & Prasad, R. S. (2009). Unsteady MHD pulsatile generalized Couette flow of couple stress fluid through a porous medium under the influence of periodic body acceleration. *The Technology World, 21*(3), 11. ISSN 2180-1614. 5. Suneetha, S. V., Krishna, M. V., & Prasad, R. S. (2010). Unsteady pulsatile hydro magnetic poiseuille flow of a couple stress fluid through a porous medium with periodic body acceleration. *Journal of Computer and Mathematical Sciences, 1*(2), 10. ISSN 0976-5727. 6. Suneetha, S. V., Krishna, M. V., & Prasad, R. S. (2010). Steady magneto hydro dynamic flow of couple stress fluid through a composite medium in a parallel plate channel under the influence of periodic body acceleration. *Journal of Pure and Applied Physics, 22*(1), 11. ISSN 0974-8970. 7. Suneetha, S. V., Krishna, M. V., & Prasad, R. S. (2010). Heat transfer of steady hydro magnetic three-dimensional Couette flow of an incompressible viscous fluid through a porous medium. *Journal of Ultra Scientist of Physical Sciences, 22*(2), 13. ISSN 0970-9150. 8. Suneetha, S. V., Krishna, M. V., & Prasad, R. S. (2010). Hall effects on the unsteady rotating magneto hydro dynamic flow of an

incompressible second grade fluid in a porous half space. *Journal of Pure and Applied Physics*, *22*(1), 13. ISSN 0974-8970.

9. Suneetha, S. V., Krishna, M. V., & Harikrishna, L. (2014). Radiative heat transfer on unsteady MHD oscillatory visco-elastic fluid through porous medium in a parallel plate channel. *Mathematical Sciences International Research Journal*, *3*(1), 13. ISSN 2278-8697.
10. Suneetha, S. V. (2017). Convective heat transfer flow of a rotating nanofluid in a vertical channel with heat sources. *International Journal of Mathematical Archive*, *8*(9), 13. ISSN 2229-5046. Retrieved from http://www.ijma.info.
11. Reddy, V. K., Suneetha, S. V., & Reddy, V. R. (2017). *Goal programming – The means for optimization of sales allocation*. *IOSR Journal of Mathematics*, *13*(2), 1-6.
12. Reddy, K., Suneetha, S. V., & Reddy, V. R. (2017). *Planned weighted goal programming for loan sanctioning*. *International Journal of Engineering Sciences & Research Technology*, *6*(5). https://doi.org/10.5281/zenodo.571587.
13. Padma, G., & Suneetha, S. V. (2018). *Heat transfer on unsteady MHD flow through a porous medium in two vertical plates with Hall effects*. *Journal of Ultra Scientist of Physical Sciences*, *30*(1). https://doi.org/10.22174/usp.2018.30.01.
14. Padma, G., & Suneetha, S. V. (2018). Heat transfer on unsteady MHD flow through a porous medium in two vertical plates with Hall effects. *Journal of Ultra Scientist of Physical Sciences, 30(6),* 310-319. https://doi.org/10.22147/jusps-A/300603.
15. Padma, G., & Suneetha, S. V. (2018). Hall effects on MHD flow through porous medium in a rotating parallel plate channel. *International Journal of Applied Engineering Research, 13(11),* 9772-9789.
16. Manohar, G., Suneetha, S. V., & Shivaprasad, R. (2016). Heat and mass transfer on MHD boundary layer flow through porous medium over a vertical plate. *Journal of Mathematics*, *28*(3), 13. ISSN 2278-5728.
17. Manohar, G., Suneetha, S. V., & Prasad, R. S. (Year). *Heat and mass transfer on unsteady MHD second grade fluid flow through porous medium past a vertical plate*. *Journal Name*, *Volume*(Issue), Page Numbers.

18. Krishna, M. V., Suneetha, S. V., & Venkateswarlu, S. (2009). *Unsteady pulsatile generalized Couette flow of a couple stress fluid through a porous medium under the influence of periodic body acceleration*. *Engineering Today*, *XI*(Issue), 135.
19. Krishna, M. V., Suneetha, S. V., & Vasudevudu, M. (2011). *Numerical analysis on steady two-dimensional laminar MHD flow through a porous medium in the entrance region between two parallel plates*. *Journal of Computer and Mathematical Sciences*, *2*(1), 159-169.
20. Krishna, M. V., Suneetha, S. V., & Vasudevudu, M. (2011). Numerical analysis on steady two-dimensional laminar MHD flow through a porous medium in the entrance region between two parallel plates. *Journal of Computer and Mathematical Sciences (JCMS)*, *2*(1), 10. ISSN 0976-5727.
21. Krishna, M. V., Suneetha, S. V., & Upasree, S. (2010). Hall effects on unsteady hydro magnetic oscillatory flow of a second grade fluid through a porous medium between two non-conducting parallel plates. *Journal of Pure & Applied Physics*, *22*(1), 181-200.
22. Krishna, M. V., Suneetha, S. V., & Prasad, R. S. (2010). *Rivlin - Ericson fluid flow in a parallel plate channel under an externally applied boundary acceleration*. *Journal of Pure & Applied Physics*, *22*(1), 163-170.
23. Krishna, M. V., Suneetha, S. V., & Prasad, R. S. (2010). *Rivlin - Ericson fluid flow in a parallel plate channel under an externally applied boundary acceleration*. *Journal of Pure & Applied Physics*, *22*(1), 163-170.
24. Krishna, M. V., Suneetha, S. V., & Prasad, R. S. (2010). Hall effects on unsteady hydro magnetic flow of an incompressible viscous fluid in a rotating parallel plate channel with porous lining. *Ultra Scientist*, *22*(1M), 95-106.
25. Krishna, M. V., Suneetha, S. V., & Prasad, R. S. (2010). Hall current effects on unsteady MHD flow of rotating Maxwell fluid through a porous medium. *Ultra Scientist*, *22*(1M), 133-144.
26. Krishna, M. V., Suneetha, S. V., & Prasad, R. S. (2009). *Unsteady hydromagnetic flow of an incompressible viscous fluid in a rotating parallel plate channel with porous lining - Darcy Lapwood model*. *Journal of Pure & Applied Physics*, *21*(3), 303-313.

27. Krishna, M. V., Suneetha, S. V., & Prasad, R. S. (2009). Steady hydro-magnetic flow of a couple stress fluid through a composite medium in a rotating parallel plate channel with porous bed on the lower half. *Journal of Pure & Applied Physics*, *21*(3), 371-381.
28. Krishna, M. V., Suneetha, S. V., & Nagamani, K. (2010). *Unsteady magnetohydrodynamic pulsatile flow of a viscous incompressible fluid through a porous medium in a flexible channel*. *Acta Ciencia Indica, XXXVI*(3), 397.
29. Krishna, M. V., Suneetha, S. V., & Malashetty, S. G. (2010). *Steady hydro magnetic flow of a couple stress fluid through a porous medium in a rotating parallel plate channel*. *Ultra Scientist*, *22*(2), 369-376.
30. Krishna, M. V., Suneetha, S. V., & Malashetty, S. G. (2010). *Hall effects on steady hydro magnetic flow of a couple stress fluid through a porous medium in a rotating parallel plate channel*. *Bulletin of Pure and Applied Sciences*, *29*(2), 183-192.
31. Krishna, M. V., Suneetha, S. V., & Basha, S. C. (Year). *Unsteady flow in a rotating parallel plate channel bounded by porous bed on one side*. *Journal Name*, *Volume*(Issue), Page Numbers.
32. Krishna, M. V., Suneetha, S. V., & Basha, S. C. (2010). Effect of inclined magnetic field on unsteady MHD flow of an incompressible viscous fluid through a porous medium in parallel plate channel. *Journal of Computer and Mathematical Sciences*, *1*(2), 135-144.
33. Krishna, M. V., Suneetha, S. V., & Ahmed, M. I. (2010). *Unsteady pulsatile Poiseuille flow of a couple stress fluid through a porous medium under the influence of periodic body acceleration*. *Bulletin of Pure and Applied Sciences*, *29*(2), 423-434.
34. Krishna, M. V., Suneetha, S. V., & Ahmed, M. I. (2010). Unsteady pulsatile Poiseuille flow of a couple stress fluid through a porous medium under the influence of periodic body acceleration. *Bulletin of Pure and Applied Sciences*, *29*(2), 8. ISSN 0970-6577 (Online ISSN: 2320-3226).
35. Krishna, M. V., & Suneetha, S. V. (2009). Hall effects on unsteady MHD rotating flow of an incompressible viscous fluid through a porous medium. *J. Pure & Applied Physics*, *21*(2), 153-162.
36. Bano, N. S., & Suneetha, S. V. (2019). *Dynamic parameters of flight surface (wing) and induced air of hovering birds*.

			International Journal of Research in Science & Technology, 3(1), 42-50. 37. Bano, N. S., & Suneetha, S. V. (2019). *Aerodynamic requirements of avian flight*. International Journal of Innovative Science & Engineering Technology, 6(1), 56-59. 38. Bano, N. S., & Suneetha, S. V. (2019). *A mathematical model of velocity of avian flight*. International Journal of Research in Science & Technology, 8(1), 518-524. 39. Bano, N. S., & Suneetha, S. V. (2019). *A mathematical model of aerodynamic forces in avian flight*. International Journal of Science & Engineering Technology, 6(1), 70-76. 40. Bano, N. S., & Suneetha, S. V. (2017). *Power requirements of avian flight in hovering state*. International Journal of Science & Engineering Technology, 6(1), 2637-2644. **41.** Bano, N. S., & Ahmed, W. A. (2017). *Wing beat frequency of avian fliers*. International Journal of Innovative Science & Engineering Technology, 6(1), 13264-13274. **Conference Proceedings** **Books / Chapters**
18	**Profile ID's**		ORCID: https://orcid.org/0009-0000-6362-867X Google Scholar Profile Link: https://scholar.google.co.in/citations?hl=en&user=k8cU7WgAAAAJ VIDWAN Profile ID: https://vidwan.inflibnet.ac.in/profile/611163

SIGNATURE OF FACULTY