



Dr. D. Chenna Kesavaiah

Faculty Id	:	67150404 - 161438
Date of Birth	:	21 July , 1978
Designation	:	Associate Professor
Years of Experience	:	Teaching : 13 years
		Industry : --
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Employment Status	:	Full Time - Ratified by JNTUH, August - 2013
Areas of Specialization	:	<ul style="list-style-type: none">• Mathematical Modeling• Fluid Dynamics• MHD• Flow through Porous Medium• Heat and Mass Transfer• Numerical Technique• Analytical Technique
UG Degree	:	B Sc (Mathematics), Nagarjuna University, Guntur, AP, India, 1999
PG Degree	:	M Sc (Mathematics)- System Theory & Computer Modeling, 2003 JNTU College of Engineering, Hyderabad, AP, India
Ph.D	:	Fluid Dynmaics, Sri Venkateswara University, Tirupathi, AP, India, 2011
Ph.D Thesis topic	:	A Study of Some Convective Flows with Heat Transfer Effects
UG Subjects Taught	:	Mathematics-I, Mathematics-II, Mathematics-III, Mathematics-IV, Probability and Statistics, Operations and Research, Discrete Mathematics

Papers Published:

International Journals

1. M Bhavana and **D Chenna Kesavaiah (2018)**: Perturbation solution for thermal diffusion and chemical reaction effects on MHD flow in vertical surface with heat generation, *International Journal of Future Revolution in Computer Science & Communication Engineering*, Vol. 4 (1), pp. 215-220, **ISSN: 2454-4248**
2. Srinathuni Lavanya and **D Chenna Kesavaiah (2017)**: Heat transfer to MHD free convection flow of a viscoelastic dusty gas through a porous medium with chemical reaction, *International Journal of Pure and Applied Researches*, Vol. 3 (1), pp. 43 - 56, **ISSN: 2455-474X**
3. Srinathuni Lavanya and **D Chenna Kesavaiah (2017)**: Radiation effects on MHD natural convection heat transfer flow from spirally enhanced wavy channel through a porous medium, *International Journal on Future Revolution in Computer Science & Communication Engineering*, Vol. 3(10), pp. 130-140, **ISSN 2454 – 4248**, (UGC Approved Journal), **J No: 64076, S No: 3603**
4. P V Satyanarayana and **D Chenna Kesavaiah (2016)**: Chemical Reaction Effects on Convective Heat and Mass Transfer through a Porous Medium in a Vertical Wavy Channel with Travelling Thermal Waves., *Journal of Energy Heat and Mass Transfer*, 2016, **Accepted**
5. **D Chenna Kesavaiah**, P V Satyanarayana (2014): Radiation Absorption and Dufour effects to MHD flow in vertical surface, *Global Journal of Engineering, Design & Technology*, Vol. 3 (2), pp. 51-57, **ISSN: 2319-7293**
6. Srinathuni Lavanya, **D Chenna Kesavaiah (2014)**: Radiation and Soret Effects to MHD Flow in Vertical Surface with Chemical reaction and Heat generation through a Porous Medium, *International Journal of Computational Engineering Research*, Vol. 04, (7), pp. 62-73, **ISSN (e): 2250 – 3005**
7. Srinathuni Lavanya, **D Chenna Kesavaiah (2014)**: Magnetic field and Radiation effects on MHD Free convection heat and mass transfer flow through a porous medium with chemical reaction, *Int. Journal of Applied Sciences and Engineering Research*, Vol. 3, (4), pp. 850-868, **ISSN :2277 – 9442**
8. Srinathuni Lavanya, **D Chenna Kesavaiah** and A Sudhakaraiah (2014): Radiation, heat and mass transfer effects on magnetohydrodynamic unsteady free convective Walter's memory flow past a vertical plate with chemical reaction through a porous medium, *International Journal of Physics and Mathematical Sciences*, Vol. 4 (3), pp. 57-70, **ISSN: 2277-2111**
9. **D Chenna Kesavaiah** and A Sudhakaraiah (2014): Effects of Heat and Mass Flux to MHD Flow in Vertical Surface with Radiation Absorption, *Scholars Journal of Engineering and Technology*, 2(2B): pp. 219-225, **ISSN 2321-435X**
10. **Damala Ch Kesavaiah**, P V Satyanarayana and A Sudhakaraiah (2013): Effects of radiation and free convection currents on unsteady Couette flow between two vertical parallel plates with constant heat flux and heat source through porous medium, *International Journal of Engineering Research*, Vol. 2 (2), pp. 113-118, **ISSN : 2319-6890**
11. S Karunakar Reddy, **D Chenna Kesavaiah** and M N Raja Shekar (2013): MHD heat and mass transfer flow of a viscoelastic fluid past an impulsively started infinite vertical plate with chemical reaction, *International Journal of Innovative Research in Science, Engineering and Technology*, Vol. 2 (4), pp.973- 981, **ISSN: 2319-8753**
12. **D Chenna Kesavaiah**, P V Satyanarayana (2013): MHD and Diffusion Thermo effects on flow accelerated vertical plate with chemical reaction, *Indian Journal of Applied Research*, Vol. 3 (7), pp. 310-314, **ISSN: 2249-555X**
13. S Karunakar Reddy, **D Chenna Kesavaiah** and M N Raja Shekar (2013): Convective heat and mass

transfer flow from a vertical surface with radiation, chemical reaction and heat source/absorption, *International Journal of Scientific Engineering and Technology*, Vol. 2 (5), pp : 351-361, *ISSN : 2277-1581*

14. **D Chenna Kesavaiah**, P V Satyanarayana and S Venkataramana (2013): Radiation and Thermo - Diffusion effects on mixed convective heat and mass transfer flow of a viscous dissipated fluid over a vertical surface in the presence of chemical reaction with heat source, *International Journal of Scientific Engineering and Technology*, Vol. 2 (2), pp: 56-72, *ISSN : 2277-1581*
15. M Bhavana, **D Chenna Kesavaiah** and A Sudhakaraiiah (2013): The Soret effect on free convective unsteady MHD flow over a vertical plate with heat source, *International Journal of Innovative Research in Science, Engineering and Technology*, Vol. 2 (5), pp. 1617-1628, *ISSN: 2319-8753*
16. B. Raveendranadh Singh, Kanchan Sanalkar and **D Chenna Kesavaiah** (2013): Electrocardiograph (ECG) signal analysis by Neural Networks, *International Journal of Scientific Research*, Vol. 2(7), pp. 191-195, *ISSN: 2277-8179*
17. **Damala Ch Kesavaiah**, A Sudhakaraiiah, P V Satyanarayana and S Venkataramana (2013): Radiation and mass transfer effects on MHD mixed convection flow from a vertical surface with Ohmic heating in the presence of chemical reaction, *International Journal of Science, Engineering and Technology Research*, Vol. 2 (2), pp. 246 – 255, *ISSN: 2278 – 7798*
18. **D Chenna Kesavaiah**, P V Satyanarayana and S Venkataramana (2013): Radiation effect on unsteady flow past an accelerated isothermal infinite vertical plate with chemical reaction and heat source, *International Journal of Science, Engineering and Technology Research*, Vol. 2 (3), pp. 514-521, *ISSN: 2278 – 7798*
19. **Damala Ch Kesavaiah**, P V Satyanarayana and S Venkataramana (2013): Effects of Radiation, Chemical reaction and Soret on unsteady flow past an accelerated isothermal infinite vertical plate, 2013, *International Journal of Technology and Research Advances*, *Issue II*, pp. 31-41
20. **D Chenna Kesavaiah** and A Sudhakaraiiah (2013): A note on heat transfer to magnetic field oscillatory flow of a viscoelastic fluid, *International Journal of Science, Engineering and Technology Research*, Vol.2 (5), pp. 1007-1012, *ISSN: 2278 – 7798*
21. Amarkanth Reddy K, Kanchan Sanalkar and **D Chenna Kesavaiah** (2013): A note on efficient reuse scheduling with QoS of bandwidth recycling throughput enhancement in IEEE 802.16 networks, *International Journal of Research in Information Technology*, Vol. 1(5), pp. 252-256, *ISSN: 2001-5569*
22. **D Chenna Kesavaiah**, P V Satyanarayana, A Sudhakaraiiah, S Venkataramana (2013): Natural convection heat transfer oscillatory flow of an elastic-viscous fluid from vertical plate, *International Journal of Research in Engineering and Technology*, Vol. 2 (6), pp. 959-966, *ISSN: 2319-1163*
23. **D Ch Kesavaiah**, P V Satyanarayana, J Gireesh Kumar and S Venkataramana (2012): Radiation and mass transfer effects on moving vertical plate with variable temperature and viscous Dissipation, *International Journal of Mathematical Archive*, Vol. 3 (8), pp. 3028-3035, *ISSN: 2229-5046*
24. **Damala Ch Kesavaiah**, P V Satyanarayana and S Venkataramana (2012): Radiation absorption, chemical reaction and magnetic field effects on the free convection and mass transfer flow through porous medium with constant suction and constant heat flux, *International Journal of Scientific Engineering and Technology*, pp. 274-284, Vol.1 (6), *ISSN: 2277-1581*
25. P V Satyanarayana, **D Ch Kesavaiah** and S Venkataramana (2011): Viscous dissipation and thermal radiation effects on an unsteady MHD convection flow past a semi-infinite vertical permeable moving porous plate, *International Journal of Mathematical Archive*, Vol. 2(4), 2011, pp. 476-487, *ISSN: 2229-5046*
26. **D Ch Kesavaiah**, P V Satyanarayana and S Venkataramana (2011): Effects of the chemical reaction and radiation absorption on an unsteady MHD convective heat and mass transfer flow past a semi-infinite vertical permeable moving plate embedded in a porous medium with heat source and suction, *Int. J. of Appl. Math and Mech*. Vol. 7 (1), pp. 52-69, *ISSN:0973-0184*

Workshops/Seminar/FDP attended:

- Attended One week faculty development program at S V National Institute of Technology, Surat, Gujarat, India, 2009
- Attended One day seminar at Sri Venkateswra University, Tirupathi, Andhra Pradesh, India, 2013
- Attended Two days workshop attend at JNT University, Hyderabad, TS, India, 2016