Dr. Santhosh Nallapu
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Area of Research: Bio Fluid Dynamics.

Education

- Ph. D in Mathematics, awarded from National Institute of Technology Warangal (NITW), Warangal, Telangana on 22-04-2016.
  (**Note:** Title of my thesis:-"*TWO LAYER MODEL FOR NON-NEWTONIAN FLUID FLOWS THROUGH NARROW TUBES.*")
- M.Sc. (Applied Mathematics) from National Institute of Technology Warangal (NITW), Warangal, Andhra Pradesh (2008 - 2010)
- B.Sc. (M.St.Cs) from University Arts and Science College, Subedari, Hanamkonda, Warangal (Kakatiya University, Andhra Pradesh) (2005 - 2008)

Awards and Honours

- Awarded a Cash Prize of K. Appala Raju Memorial for getting first in class during 2010-2011, NIT, Warangal.
- Awarded a Cash Prize of N. CH. Pattabhi Ramacharyulu Gold medal award for getting first in class during 2010-2011, NIT, Warangal.
- Awarded a Cash Prize of N. CH. Raghava Charyulu for securing highest CGPA from first and second semester of M.Sc. (Applied Mathematics) programs during 2009- 2010, NIT, Warangal.

Papers Published/Accepted

1. Santhosh Nallapu and G. Radhakrishnamacharya, Flow of Jeffrey Fluid through Narrow Tubes, *International Journal of Scientific* & *Engineering Research,* Vol. **4(11)**, pp. 468–473 (2013).
2. Santhosh Nallapu and G. Radhakrishnamacharya, Jeffrey Fluid Flow through Porous Medium in the Presence of Magnetic Field in Narrow Tubes, *International Journal of Engineering Mathematics* (2014) Article ID 713831, 8 pages.
3. Santhosh Nallapu, G. Radhakrishnamacharya and A. J. Chamkha, Flow of a Jeffrey Fluid through a Porous Medium in Narrow Tubes, *Journal of Porous Media,* Vol. **18(1)**, pp. 71–78 (2015).

4. Santhosh Nallapu, G. Radhakrishnamacharya and Ali J. Chamkha "Effect of Slip on Herschel-Bulkley Fluid Flow through Narrow Tubes", *Alexandria Engineering Journal - An Elsevier Journal*, Vol. **54**, pp. 889–896 (2015).

5. Santhosh Nallapu, G. Radhakrishnamacharya, Jeffrey Fluid Flow through a Narrow Tubes in the Presence of a Magnetic Field, *Procedia Engineering-An Elsevier Journal*, Vol. **127**, pp. 185–192 (2015).

6. Santhosh Nallapu, G. Radhakrishnamacharya, Effects of Magnetic Field and Slip Condition on a Two-Fluid Model of Couple Stress Fluid Flow through Narrow Channels, *Acta Engineering International*, Vol. **4**, pp. 1-9 (2016).

7. Santhosh Nallapu, G. Radhakrishnamacharya, A Two-Fluid Model for Herschel-Bulkley Fluid Flow through Narrow Tubes, *Journal of Applied Science and Engineering*, Vol. **19(3)**, pp. 241-248 (2016).

8. Santhosh Nallapu, G. Radhakrishnamacharya, Effect of Slip in a Two-Fluid Model of Couple-Stress Fluid Flow Through a Porous medium In a Narrow Channel, *International Journal of Pure and Applied Mathematics*, Vol. **113 (11)**, pp. 55-64 (2017).

9. Santhosh Nallapu, G. Radhakrishnamacharya, G. Ravi Kiran, Effects of Magnetic Field and Slip on a Two-Fluid Model for Couple Stress Fluid Flow through a Porous Medium, *International Journal of Pure and Applied Mathematics*, Vol. **113 (11)**, pp. 65-74 (2017).

10. G. Ravi Kiran, Santhosh Nallapu, G. Radhakrishnamacharya, Effect of Peristalsis on Dispersion in a Chemically Reactive Jeffrey Fluid Flow with Wall Properties, *International Journal of Pure and Applied Mathematics*, Vol. **113 (11)**, pp. 38-46 (2017).

11. Santhosh Nallapu, G. S. Sneha, Shravan Kumar. R, Effect of Slip on Jeffrey Fluid Flow Through an Inclination Tube, *Journal of Physics: Conference Series,* **1000, 012041 doi :10.1088/1742-6596/1000/1/012041** (2018).

12. Santhosh Nallapu, Rajeshwar Rao. P, The Influence of Slip on a Jeffrey Fluid Flow Through Narrow Tubes, *Advances and Applications in Mathematical Sciences, Vol.* **21(9)** (2022).