


**Sri Sai Ram Engineering College**  
**Department Of Humanities And Sciences**

Name : A. Magesh	
Designation :	Assistant Professor
Qualification :	PhD
Area of Specialization :	Fluid Dynamics
Experience :	Teaching : UG : 13 years and 05 months PG : 9 years
	Industry :
No. of Workshop / Conferences / FDP attended	Workshop – 1 / Conferences – 2 / FDP - 1
Publications :	Journals National : International : 9
	Conferences National : International :
Research Guidance :	Nil
General :	Nil

Staff Achievements:	Nil
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### Educational Qualification:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc	Mathematics	2006	Muthurangam Govt Arts College	Thiruvalluvar University	70	I
PG	M.Sc	Mathematics	2008	Muthurangam Govt Arts College	Thiruvalluvar University	74	I
	M.Phil.	Mathematics	2011	C.Abdul Hakkeem college of Arts and Science	Thiruvalluvar University	75	I
Ph.D.	Ph.D.	Fluid Dynamics	2021	Anna University	Anna University	8.0CGPA	

### Academic Experience: (as on 30.09.2022)

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
JEI Mathaajee College of Engineering	Assistant Professor	15-10-2009	17-06-2017	7	8	2
SMK Fomra Institute of Technology	Assistant Professor	19-06-2017	04-05-2018	0	10	16
JEI Mathaajee College of Engineering	Assistant Professor	05-05-2018	30-06-2022	4	1	25
Sri Sairam Engineering College	Assistant Professor	01.07.2022	Till date	0	8	4
<b>Total</b>				<b>13</b>	<b>4</b>	<b>17</b>

### PUBLICATIONS

#### Journals:

1. A.Magesh, M.Kothandapani, 2021, 'Heat and mass transfer analysis on non-Newtonian fluid motion driven by peristaltic pumping in an asymmetric curved channel', The European Physical Journal-Special Topics, 230, 1447-1464. I.F:2.89
2. A.Magesh, M.Kothandapani, 2021, 'Analysis of heat and mass transfer on the peristaltic movement of Carreau nanofluids', Journal of Mechanics in Medicine and Biology, 22(1), 2150068. I.F:0.897
3. A.Magesh, M. Kothandapani, V.Pushparaj, 2021, 'Electro-osmotic flow of Jeffrey fluid in an asymmetric micro-channel under the effect of Magnetic field', Journal of Physics: Conference Series.1850, 012102. I.F:0.55
4. A Magesh, P Praveen Kumar, P Tamizharasi, R Vijayaragavan, S Vimal Kumar and M Kothandapani,2021, 'Effect of magnetic field on the peristaltic transport of Oldroyd-B fluid in an asymmetric inclined channel', Journal of Physics: Conference Series.1850, 012111. I.F:0.55
5. P.Tamizharasi, R.Vijayaragavan, A.Magesh, 2021, 'Heat and Mass transfer analysis of the peristaltic driven flow of nanofluid in an asymmetric channel', Partial Differential Equations in Applied Mathematics 4, 100087.
6. R.Vijayaragavan, P.Tamizharasi, A.Magesh, 2022, 'Brownian motion and thermoporesis effects of nanofluid flow through the peristaltic mechanism in a vertical channel', Journal of Porous Media, 25(6), 65-81.
7. A.Magesh, P.Tamizharasi, R. Vijayaragavan, 2022, ' MHD flow of  $Al_2O_3/H_2O$  nanofluid under peristaltic mechanism in an asymmetric channel' Heat Transfer, 1-15 <https://doi.org/10.1002/htj.22613>. I.F:1.71.
8. J.Kamalakkannan, C.Dhanapal, M.Kothandapani, A.Magesh, 2023, 'Peristaltic transport of non-Newtonian nanofluid through an asymmetric microchannel with electroosmosis and thermal radiation effects', Indian journal of physics.(Accepted).

### **Conferences/Seminars/Webinars:**

1. Presented the paper in the 2<sup>nd</sup> International Conference on Mathematical Modeling and Computational Methods in Science and Engineering (ICMMCMSE-2020) entitled 'Effect of magnetic field on the electro-osmotic flow of Jeffrey fluid in an asymmetric micro-channel' in 22-24 January 2020, Alagappa University, Karaikudi, Tamilnadu, India.
2. Presented the paper in the 5<sup>th</sup> International Conference on Applications of Fluid Dynamics (ICAFD-2020) entitled 'Heat and mass transfer analysis of  $(Al_2O_3 / H_2O)$  nano fluid in an asymmetric channel' in 13-15 December 2020, VIT university, Amaravathi, Andhra Pradesh, India

3. Attended national conference at KMG college of Arts and Science, Gudiyatam in the topic of Mathematical analysis

**FDP:**

1. Attended FDP in VIT University, vellore in the topic of Homotopy analysis Method.

**Reviewer in International Journals:**

1. Scientia Iranica
2. Proceeding of the institution of Mechanical Engineers part E-Journal of process in Mechanical Engineering
3. Asian Journal of research and reviews in physics.
4. Physical science international journal