



Name: Dr.Siva Nageswara Rao. Thottempudi  
Designation: Assistant Professor  
Department: H&S  
Mail I'd: sivanageswararao\_t@vnrvjiet.in

Experience (in years): 16      Teaching: 16      Research: 10      Others(if any, specify):

### 1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D	2018	Fluid Dynamics
2	M.Phill	2010	Fluid Dynamics
3	M.Sc	2006	Pure Mathematics
4	B.Sc	2004	M.P.C

### 2. Teaching and Learning:

#### 2.1. Teaching Interests:

Computational Methods for Engineering, Complex variables and Transformations, Special functions, Mathematical foundations for Computer Science, Partial differential equations	Linear Algebra & Multivariable Calculus, Calculus-I, II &III, Differential Equations: First and higher order with applications, Partial differential equations, Geometry(1-D, 2-D & 3-D)
--	--

2.2. Novel Teaching & Learning Techniques adopted:

2.3. Involvement in curriculum updating / Design:

### 3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies:

3.2. CCA/ECA Organized:

3.3. CCA/ECA participated:

3.4. Counseling and Mentoring Activity:

3.5. Committees involved in:

Department level:

Institute Level:

### 4. Conference / Workshop / Seminar / Guest Lectures :

4.1 Conducted: 01

4.2 Attended: 44

### 5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: Nil

5.2. Articles/Chapters published in Books: Nil

5.3. Books published as single author or as editor: Nil

5.4. Projects Guided:

a) UG: 1 b) PG: Nil

5.5. Research Interests: Fluid Dynamics, Neutrosophic Theory

5.6. Ph.D students:-

a) Enrolled: Nil b) Submitted: Nil c) Awarded: Nil

5.7. Papers published in reviewed journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Bipolar Neutrosophic Soft Topological Open and Closed Sets	Turkish Journal of Physiotherapy and Rehabilitation, 33(1), pp.41-51.	26514451, 2651446X	0.14	International
2	Neutrosophic Bipolar Soft Topological Compact Spaces	International Journal of Mechanical Engineering, 7(1), pp.2607-2613.	22780149	2.1	International
3	Bipolar sum distance in neutrosophic graphs	Malaya Journal of Matematik, 9(1), pp.1083-1085	2321-5666	4.529	International
4	Bipolar Single Valued Neutrosophic detour distance	Indian Journal of Science And Technology, 14(5), pp.427-431	09745645, 09746846	0.113	International
5	Bipolar Topological Pre-Closed Neutrosophic Sets	Malaya Journal of Matematik, 9(1), pp.159-162.	2321-5666	4.529	International
6	Bipolar soft neutrosophic topological region	Malaya Journal of Matematik, 8(4), pp.1687-1690.	2321-5666	4.529	International
7	Minimal Spanning tree Algorithms w. r. t. Bipolar Neutrosophic Graphs	London Journal of Research in Science: Natural and Formal, 20(8), pp-13-24.	03058034, 17496322	0.30	International
8	Bipolar Neutrosophic Weakly $BG^{\oplus}$ - Closed Sets	High Technology Letters, 26(8), pp-878-887.	1006-6748	2.7	International
9	Detour Interior and Boundary vertices of BSV Neutrosophic Graphs	International Journal of Advanced Science and Technology, 29(8), pp. 2382-2394.	20054238, 22076360	0.475	International
10	Interior and Boundary vertices of BSV Neutrosophic Graphs	Journal of Advanced Research in Dynamical Control Systems, 12(6), pp.1510-1515	1943023X	0.41	International
11	Fem on Heat and Mass Transfer Flow Through Porous Medium in a Rectangular Vessel with Effect of Thermal Radiation and Diffusion	International Journal of Advanced Science and Technology, 29(6), pp.7124-7136.	20054238, 22076360	0.475	International

12	Single Valued Neutrosophic detour distance	<i>Journal of critical reviews</i> , 7(8), pp.810-812	2394-5125	1.091	International
13	Effect of Thermo Diffusion on Mass and Heat Transfer Flow on Convective Viscous Electrically Conducting Fluid Through a Porous Medium Bounded by a Semi-Infinite Vertical Plate With Variable Electrically Conductivity Diffusion Thermo Chemical Reaction	<i>International Journal of Engineering and Advanced Technology</i> , 9(1S5), pp.284-287	2249-8958	5.97	International
14	Effect of Non-Linear Density Temperature Variation on Convective Heat and Mass Transfer Flow Through a Porous Medium in a Rectangular Duct with Radiation Chemical Reaction and Dissipation	<i>AIP Conference Proceedings</i> , V.1953, pp.140048(1-5)	1551-7616	0.425	International
15	Unsteady MHD Free Convection Flow of Casson Fluid over an Inclined Vertical Plate Embedded in a Porous Media	<i>AIP Conference Proceedings</i> , v.1953, pp. 140038(1-4)	1551-7616	0.425	International
16	Combined Influence of Soret and Dufour Effects on Non-Darcy Mixed Convective Heat and Mass Transfer Flow of a Chemically Reacting Viscous Fluid in a Vertical Channel with Thermal Radiation and Heat Sources with Constant Heat and Mass Flux	<i>International Journal of Mathematical Archive</i> , V.8(4), pp.47-59.	2229-5046	7.543	International
17	Combined Effect of Chemical Reaction Radiation and Dissipation on Convective Heat and Mass Transfer in a Triangular Duct with Heat Sources	<i>International Journal For Research &amp; Development In Technology</i> , V.7(4), pp.116-128.	2321-0613	4.396	International

18	Combined Effect of Thermophoresis Chemical Reaction Thermo-Diffusion and Diffusion-Thermo on the Convective Heat and Mass Transfer Flow of a Viscous Electrically Conducting Fluid Through a Porous Medium Bounded by Semi Infinite Vertical Plate	<i>Elixir International Journal</i> . Vol.66C.pp.20491-20504.	2229-712X	6.865	International
19	Effect of Chemical Reaction and Thermo-Diffusion on the Unsteady Convective Heat and Mass Transfer Flow in a Vertical Channel with Oscillatory Temperature and Concentration	<i>International Journal of Mechanical Engineering</i> ,vol.41(2),pp.1198-1207.	2051-3232	0.12	International
20	Effect of Chemical Reaction and Radiation on Unsteady Convective Heat and Mass Transfer Flow in a Vertical Wavy Channel with Oscillatory Flux	<i>International Journal of Advanced Scientific and Technical Research</i> ,vol.5(3), pp.300-317.	2249-9954	3.94	International
21	Effect of Hall Currents and Thermo-Diffusion on Unsteady Convective Heat and Mass Transfer Flow in a Vertical Wavy Channel under an Inclined Magnetic Field	<i>International Journal of Engineering Research and Application</i> , vol.3(5).pp.1392-1405.	2248-9622	6.465	International
22	Unsteady Convective Heat and Mass Transfer of a Viscous Fluid through a Porous Medium in a Vertical Channel with Heat Sources and Quadratic Temperature Variation	<i>International Journal of Mathematical Archive</i> , vol.4(4), pp.332-341.	2229-5046	7.543	International

5.8. Papers presented at National / International Journals:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Neutrosophic Bipolar Soft Topological Compact Spaces	International Conference on Multidisciplinary research in Science & Humanities (ICMRSH, 2022)"conducted at Vasireddy Venkatadri Institute of Technology (Autonomous), Namburu, AP, India.	International	17 <sup>th</sup> -18 <sup>th</sup> February, 2022
2	Effect of Chemical Reaction Soret and Dufour on Convective Heat and Mass Transfer Flow Viscous Electrically Conducting Fluid Through a Porous Medium Bounded by a Semi-Infinite Vertical Plate With Variable Electrically Conductivity	National Conference on Mathematics, Statistics and Applications (i.e., NCMISA-2019) conducted at Vignan's Foundation for Science, Technology & Research (Deemed to be University), Vadlamudi, Guntur Dist., AP, India.	National	19 <sup>th</sup> -20 <sup>th</sup> July, 2019
3	Effect of Non-Linear Density Temperature Variation on Convective Heat and Mass Transfer Flow Through a Porous Medium in a Rectangular Duct with Radiation Chemical Reaction and Dissipation	2 <sup>nd</sup> International Conference on Condensed Matter & Applied Physics(i.e., ICC-2017), conducted at Govt. Engineering College, Bikaner, Rajasthan, India	International	24 <sup>th</sup> -25 <sup>th</sup> November, 2017
4	Effect of Hall Currents on steady Flow of Heat and Mass Transfer through an Incompressible Viscous Electrically Conducting fluid past a flat surface with variable temperature and mass diffusion	DST-SERB Two Day National Conference on Essence of mathematics and engineering applications (i.e., EMEA, 2017), conducted at Koneru Lakshmaiah Education Foundation (Deemed to be University), Vaddeswaram, Guntur, AP, India.	National	17 <sup>th</sup> -18 <sup>th</sup> Nov, 2017
5	Combined Effect of Chemical Reaction Radiation and Dissipation on Convective Heat and Mass Transfer in a Triangular Duct with Heat Sources	International Workshop and conference on Analysis And Applied Mathematics(i.e.,IWCAAM,2016), conducted at NIT Trichy, Tamil Nadu, India	International	6 <sup>th</sup> -10 <sup>th</sup> June, 2016
6	Combined Influence of Soret and Dufour Effects on Non-Darcy Mixed Convective Heat and Mass Transfer Flow of a Chemically Reacting Viscous Fluid in a Vertical Channel with Thermal Radiation and Heat	Computational, Mathematical and Biological Modeling (i.e., ICCMBM, 2016), conducted at Sri Padmavathi Mahila Visvavidyalayam, Tirupathi, AP, India.	International	25 <sup>th</sup> -26 <sup>th</sup> March, 2016

	Sources with Constant Heat and Mass Flux			
7	Effect of Hall Currents and Thermo-Diffusion on Unsteady Convective Heat and Mass Transfer Flow in A Vertical Wavy Channel Under an Inclined Magnetic	59 <sup>th</sup> Congress (an International Conference) of Indian Society of Theoretical and Applied Mechanics” (i.e., ISTAM 2014), conducted at Alliance University, Anekal, Bangalore, Karnataka, India.	International	16 <sup>th</sup> -19 <sup>th</sup> December, 2014
8	Effect of Chemical Reaction and Radiation on Unsteady Convective Heat and Mass Transfer Flow in a Vertical Wavy Channel with Oscillatory Flux	2 <sup>nd</sup> International Conference on Applications of Fluid Dynamics” (ICAFD-2014) conducted at Sri Venkateswara University, Tirupathi, A.P, India.	International	21 <sup>st</sup> -23 <sup>rd</sup> July, 2014
9	Combined Effect of Thermophoresis Chemical Reaction Thermo-Diffusion and Diffusion-Thermo on the Convective Heat and Mass Transfer Flow of a Viscous Electrically Conducting Fluid Through a Porous Medium Bounded by Semi Infinite Vertical Plate	3 <sup>rd</sup> International Science Congress(ISC-2013) conducted at Karunya University, Coimbatore, Tamil Nadu, India.	International	8 <sup>th</sup> &9 <sup>th</sup> December, 2013
10	Combined Effect of Chemical Reaction Radiation and Dissipation on Convective Heat and Mass Transfer in a Triangular Duct with Heat Sources	XXI Congress & National Conference on Applications Engineering, Physical and Life Sciences” conducted at Sri Venkateswara University, Tirupathi, A.P, India.	<i>National</i>	7 <sup>th</sup> -9 <sup>th</sup> , December, 2012,
11	Unsteady Convective Heat and Mass Transfer of a Viscous Fluid through a Porous Medium in a Vertical Channel with Heat Sources and Quadratic Temperature Variation	National Conference on Mathematical aspects of cryptography and network security” conducted at Jyothishmathi Institute of technology and science, Karimnagar, A.P, India.	<i>National</i>	12 <sup>th</sup> -14 <sup>th</sup> , November, 2010,

#### 5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

**6. Awards / Honors received:**

Best performance award in 2010-2011.

Best performance award in 2017-2018.

REVIEWER for *International Journal of Thermofluids (ELSEVIER)*

**7. Motto: Work with Heart never Fails**