

DEPARTMENT OF MATHEMATICS
RESEARCH PUBLICATIONS
2019-2024

	Name of the Faculty Member	Title of Research Paper	Year of publication	Name of the Journal
1	Sri I.V.Venkateswara Rao	On a class of SP-Kenmotsu Manifolds the Quarter-Symmetric Metric Connection	2019	Far East Journal of Mathematical Sciences (Scopus Indexed)
2	Sri I.V.Venkateswara Rao	Representations of semi Lattice in factor congruence on pre A^* -Algebra” in Mathematical Sciences International Research Journal, Vol.9, 2020.	2020	Mathematical sciences International Research Journal
3	Sri I.V.Venkateswara Rao	Prominence of Combinatorics and Graph Theory in the Advancement of Science and Technology	2021	International Journal of Scientific Research and Engineering Development
4	Sri I.V.Venkateswara Rao	Semi lattice Isomorphism On Pre A^* Algebra	2023	Mathematical sciences International Research Journal
5	Dr.J.L.Rama Prasad	A study on AL_2O_3 - H_2O Nano fluid in the presence of constant Heat Source	2019	International Journal of Mechanical and Production Engineering Research and Development
6	Dr.J.L.Rama Prasad	A Study of MHD Dissipative Fluid with Radiation Absorption and Chemical Reaction effects	2020	Journal of Xidian University (Scopus Indexed)
7	Dr.J.L.Rama Prasad	An incitement of Hall and Aligned MHD Casson flow	2020	TEST Engineering and Management (Scopus Indexed)
8	Dr.J.L.Rama Prasad	Effects of radiation and radiation absorption on unsteady MHD flow past a vertical porous flat plate in a rotating system with chemical reaction in a Nanofluid	2019	International Journal of Advanced Trends in Computer Applications
9	Dr.J.L.Rama Prasad	Aligned Magnetic field effect on unsteady MHD double diffusive free convection flow of	2020	Lecture Notes in Mechanical Engineering, Springer (Scopus Indexed)

		Kuvshinski fluid past an inclined moving porous plate		
10	Dr.J.L.Rama Prasad	Cosinusoidally fluctuating temperature and chemical reacting effects on MHD free convective fluid flow past a vertical porous plate with Hall, Ion-slip current and Soret	2020	Lecture Notes in Mechanical Engineering, Springer (Scopus Indexed)
11	Dr.J.L. Rama Prasad	Entropy generation and temperature gradient heat source effects on MHD couette flow with permeable base in the presence of viscous and joules dissipation	2020	Frontiers in Heat and Mass Transfer (Scopus & WoS Indexed)
12	Dr.J.L. Rama Prasad	Heat transfer and entropy generation analysis in a horizontal channel filled with a permeable medium in the presence of aligned magnetic field and temperature gradient heat source	2021	SN Applied Sciences, Springer (Scopus Indexed)
13	Dr.J.L.Rama Prasad & Sri I.V.Venkateswara Rao	Radiative Magneto Hydrodynamic Flow over a Vertical Cone filled with Convective Nanofluid	2022	"Communications in Mathematics and Applications" (WoS Indexed)
14	Dr.J.L.Rama Prasad	"Heat and Mass Transfer effects on linearly accelerated Isothermal Inclined plate"	2022	"Frontiers in Heat and Mass Transfer" (Scopus & WoS Indexed)
15	Dr.J.L.Rama Prasad	Non-homogeneous two-component buongiorno model for nanofluid flow toward Howarth's wavy cylinder with activation energy	2023	Results in Engineering (Scopus & WoS Indexed)
16	Dr.J.L.Rama Prasad	Performance of magnetic dipole contribution on ferromagnetic non-Newtonian radiative MHD blood flow: An application of biotechnology and medical sciences	2023	Heliyon (Scopus & WoS Indexed)
17	Dr.J.L. RamaPrasad	Entropy generation analysis on forced and free convection flow in a vertical porous channel with aligned magnetic field and Navier slip	2023	Heat Transfer (Scopus & WoS Indexed)

18	Dr.J.L. RamaPrasad	Exploration of bio-convection for slippery two-phase Maxwell nano fluid past a vertical induced magnetic stretching regime associated for biotechnology and engineering	2023	Journal of Molecular Liquids (Scopus & WoS Indexed)
19	Dr J. L. Rama Prasad	Analysis of a Ferromagnetic Nanofluid Saturating a Porous Medium with Nield's Boundary Conditions	2023	MDPI Publishers, Switzerland, SCIE (Scopus & WoS Indexed)
20	Dr J. L. Rama Prasad	Impact of entropy generation and temperature gradient heat source on coquette flow in a permeable magnetic field	2024	Heat Transfer (Scopus & WoS Indexed)
21	Dr J. L. Rama Prasad	Impact of Heat Source on Williamson Nano Fluid flow past an exponentially stretched porous surface	2024	Journal of Non Linear Analysis and Optimization
22	Dr.T. Anuradha	Structure of Regular and Idempotent Ternary Semihyper Rings	2021	Turkish Journal of Physiotherapy and Rehabilitation
23	Dr.T. Anuradha	On Prime Hyperideals in Ternary Semihyperring	2022	Advances and Applications in Mathematical Sciences
24	Dr.T. Anuradha	Characteristics of hyperideals in Ternary semihyperrings	2022	Communications in Mathematics and Applications (WoS indexed)
25	Dr.M.V.V.N.L.Sudha Rani	Comparative study of hybrid and ternary hybrid nanomaterials over a moving plate	2023	International Communications in Heat and Mass Transfer (WoS indexed)
26	Dr.M.V.V.N.L.Sudha Rani	Computational assessment of hybrid and tri hybrid nanofluid influenced by slip flow and linear radiation.	2023	The European Physical Journal Plus (WoS indexed)
27	Dr. M.V.V.N.L. Sudha Rani	A bidirectional investigation of the effect of activation energy on carbonized fluid flow and radiative heat transfer across a stretched surface.	2023	International journal of Modern physics (WoS indexed)
28	Dr. M.V.V.N.L. Sudha Rani	Comparative study of different non Newtonian fluid over an elaborated sheet	2021	Chemical Physical letters (WoS indexed)
29	Dr. M.V.V.N.L. Sudha Rani	Effect of Thermal Conductivity on Blasius Rayleigh – Stokes flow and Heat transfer over a moving	2021	The European Physical Journal PLUS (WoS indexed)

		Plate by Magnetic Dipole Moment.		
30	Dr. M.V.V.N.L. Sudha Rani	Effect of Ohmic and Activation Energy on the Physical Characteristics of MHD Flow and Variable Heat Transfer to a Different Fluids	2023	International Journal of Modern Physics
31	Sri T. Siva Krishna	Common Fixed point theorems in intuitionistic Fuzzy Metric Space using General Contractive Condition of Integral Type	2019	IOSR Journal of Mathematics
32	Sri T. Siva Krishna	Generalized of Integral Type C^* -Valued Contraction with Fixed Point Theorem	2019	IOSR Journal of Mathematics
33	Dr.V.L. Prasannam	Solving Intuitionistic Fuzzy Linear Programming Problem using new GM Ranking Method	2022	Advances and Applications in Mathematical Sciences
34	Dr.V.L. Prasannam	Solving Fuzzy Linear Programming Problem using Defuzzification Method	2021	Communications in Mathematics and Applications (WoS indexed)
35	Dr.V.L. Prasannam	Bipolar Anti Fuzzy d-ideals of d-Algebra	2021	GIS Science Journal
36	Dr.V.L. Prasannam	Normal Bipolar Fuzzy d-ideals of d-algebra	2020	Gredrag & Organisatie Review
37	Dr.V.L..Prasannam	Bipolar valued Fuzzy d-ideals of Fuzzy d-algebra	2020	Journal of Information and Computational Science
38	Dr.V.L. Prasannam	Bipolar Valued Fuzzy d-algebra	2020	Advances in Mathematics Scientific Journal
39	Dr.V.L. Prasannam	Defuzzification Index for Ranking of Fuzzy numbers on the basis of Geometric mean	2020	International Journal of Intelligent Systems and Applications
40	Dr.V.L. Prasannam	A Note on Clean Rings and Semi Clean rings	2019	Journal of Applied Sciences and Computations
41	Dr.V.L. Prasannam	An Application of Neutrosophic logic in Making Best Choice	2020	Sambodhi