NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET

(AUTONOMOUS)

DEPARTMENT OF BS&H-PUBLICATIONS (01 JUNE 2024- 30 OCT 2026)

S.No	Title of the Paper	Name of the authors ,	Name of the Journal	Year of Publication	ISSN /ISBN number	Doi	SCOPUS/S CI/UGC CARE
1	Raghunath Kodi; Ulebeedu Matam Praveen Kumar; Ramachandra Reddy Vaddemani; **Ravuri Mohana Ramana;** Dhananjay Yadav	Magnetohydrodynamic heat and mass transport in Non-Newtonian nanofluids over a stretching surface with Joule heating and viscous dissipation effects	Chemical Product and Process Modeling	May-26		10.1515/cppm-2025-0332	SCOPUS
2	Darapuneni Purna Chandar Rao; Ramachandra Reddy Vaddemani; Raghunath Kodi; **Ravuri Mohana Ramana**; Sudhakaru Komera; M. Jayachandra Babu	Residual error analysis of Jeffrey hybrid nanofluid flow over a rotating sphere with Cattaneo-Christov heat flux and exothermic chemical reaction: a comparative study of spherical and platelet nanoparticles	Chemical Product and Process Modeling	Jun-26		10.1515/cppm-2026-0042	
3	Ch. Maheswari; B. Naga Lakshmi; G. Dharmaiah; R. **Mohana Ramana**; B. Reddappa	The Effect of Second-Order Slip in Hydromagnetic Eyring-Powell Flow: A BVP4C Study	Mansoura Engineering Journal	Jul-26		10.58491/2735-4202.3442	

4	Chundru Maheswari; Bhavanam Naga Lakshmi; **Ravuri Mohana Ramana**; Samad Noeiaghdam; Unai Fernandez-Gamiz	Numerical simulation of chemically reacted hybrid nanofluid Forchheimer flow across a porous cone/wedge with radiation absorption	International Journal of Thermofluids	Jul 2026,		10.1016/j.ijft.2026.101558	SCOPUS
5	Ch. Maheswari; B. Naga Lakshmi; G. Dharmaiah; **R. Mohana Ramana;** B. Reddappa	The Effect of Second-Order Slip in Hydromagnetic Eyring-Powell Flow: A BVP4C Study	Mansoura Engineering Journal	Jul-26		10.58491/2735-4202.3442	SCOPUS
6	Malla Balakrishna**; V. PoliReddy;** Ramu Boddepalli; Ch. Rajasekhar; V. Vishnuvardhan; M. Gnana Kiran; S. Phani Kumar; Manjula Bharathi Nagulapati; A. Chitti Babu; M. Ramanaiah	Interplay of layered Aurivillius structure and nanoscale morphology in Bi_3TiNbO_9 nanoparticles for ferroelectric and photocatalytic applications	Materials Chemistry and Physics	15-Jul-26		10.1016/j.matchemphys.2026.132670	SCOPUS
7	B. Naga Lakshmi; **Ch. Maheswari;** V.S. Bhagavan; Sneha Latha Pala; Asra Anjum; Umair Khan; Syed Modassir Hussain	Numerical Investigation of Velocity and Thermal Slips on MHD Hybrid Nanofluid Flow Past a Stretching Sheet With nth-Order Chemical Reaction Effects	Engineering Reports	April 2026,		**https://doi.org/10.1002/eng2.70760Digital Object Identifier (DOI)**	SCOPUS
8	J.A. Baskar; **N. Giridhar Babu;** Jonnalagadda Pavan; Alavala Rami Reddy; P.V. Prasanna Kumar; Jayakumar Chinnappan; Peeka Jasmin; J.V. Satyanarayana; G. Swathi	Rare-Earth-Engineered Aurivillius $Bi_{3.6-x}Er_xYb_{0.4}Ti_3O_{12}$ Structural Distortion-Driven Ferroelectric Enhancement and Efficient Upconversion Luminescence	Ceramics International	AUG 2026		10.1016/j.ceramint.2026.06.486	SCOPUS
9	Chandolu Nagamani; Yeti Dhana Rao; M.V.S. Pavan Kumar; K. Rajendra; **Samuel John Gosu;** P. Dhyva Stuthi; B. Kiran Babu; K. Poornima	Machine Learning for Analyzing the Biowaste to Wealth Approach: A Brief Review	International Journal of Drug	MAY2026		10.25258/ijddt.16.11s.80	SCOPUS

			Delivery Technology				
10	**Siddabattuni Srinivasarao**; G. Suresh; **Goli Nagaraju**; Dr. J. Lakshmi	Comparison of electrocaloric and energy storage properties of Eu modified lead-free 0.94 $Na_{0.5}Bi_{0.5-x}Eu_xTiO_3$–0.06$BaTiO_3$ (x = 0 & 0.25) nanoceramics synthesized via the sol-gel method	Journal of Materials Science: Materials in Electronics	AUG 2026, Vol. 37		10.1007/s10854-026-17963-w	SCOPUS
11	Dr. Meka Srinivasa Rao; Dr. Raviteja Gunturu; Dr. G. Praveen Chand; Dr. Rajesh Yamparala; **NagaRaju Gundimeda**; Battula Sowjanya	IoT-Enabled Smart Chemistry Laboratory Platform for Real-Time Monitoring of Chemical Reactions, Safety, and Integration with Quantum Chemistry Simulations	International Journal of Drug Delivery Technology	Jul-26		DOI:10.25258/ijddt.16.63s.3	SCOPUS
12	**Dr. R. Mohana Ramana**	Residual error analysis of Jeffrey hybrid nanofluid flow over a rotating sphere with Cattaneo-Christov heat flux and exothermic chemical reaction: a comparative study of spherical and platelet nanoparticles	Chemical Product and Process Modeling	JULY 2026		10.1515/cppm-2026-0042	SCOPUS
13	Pagidi Rajagopaludu; **N. Giridhar Babu**; Ravi Kumar Kalabarigi; Ch. Rajasekhar	Influence of chelating agents on the structural, optical, and functional performance of Sol–Gel derived $CuInS_2$ nanoparticles	Journal of Materials Science: Materials in Electronics	2026		10.1007/s10854-026-18221-9	SCOPUS

1	S.Srinivasa Rao	Optical energy band gap studies on synthesized PAN-Nal sodium based gel polymer electrolytes Journal of Physics	Journal of Physics: Conference Series, Volume 3246, International Conference on Next Generation Emerging Materials (ICONGEM 2025)	22/12/2025 - 24/12/2025		DOI:10.1088/1742-6596/3246/1/012040	SCOPUS
2	M.Purna ChandraRao	Secure Artificial Intelligence Systems for Edge-IoT Environments Using Federated Learning	IEEE Xplore 979-8-3315-9383-4.	MAR 2026		DOI:10.1109/ICETEMS66917.2026.11469444	SCOPUS
3	. **Shaik. Mohiddin Shaw**	Applications of RSA algorithm in cryptography	AIP Conf. Proc. 3397, 030029 (2026), AIP Conf. Proc. 3397, 030029-1–030029-7. Published under an exclusive license by AIP Publishing. 978-0-7354-	Jan 2026		DOI:10.1063/5.0348294	SCOPUS

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1	AN INNOVATIVE STUDY ON HEAT FLUX AND MASS TRANSFER IN TWO-PHASE NANOFLUIDS WITH ACTIVATION ENERGY CONSIDERATIONS	Mohiddin Shaw Shaik Ramprasad Chegu Ramesh Babu Juturi Panduranga Rao Repalle srinivas rao Balla and Dharmaiah Gurram	Proceedings of Engineerig Sciences	2025		DOI:10.24874/PES07.03 A.024	SCOPUS
2	**Multifunctional Lead-Free Ferroelectrics: Coupled Luminescent and Energy Storage Properties in Er3+&Yb3+Modified NBT-BCZT”**	Dr.T.Anjaneyulu	**Solid State Communic ations**	2025		**doi.org/10.1016/j.ssc.2 025.116211**	SCOPUS
3	**Excellent energy storage and high stability achieved in lead free BZT-**	Dr.T.Anjaneyulu	Materials Chemistry and Physics	2025		**doi.org/10.1016/j.matc hemphys.2025.131032**	SCOPUS

	SrBiT ceramics synthesized via conventional solid state method						
4	A Computational Analysis on Chemically Reacting Stagnation Point Hybrid Nanofluid Flow over Stretched Surface under the Influence of Arrhenius Kinetic Energy	Dr.R.Mohana Ramana	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	2025		10.37934/arfmts.131.1.119	SCOPUS
5	Improving English Text Translation with cutting Edge Neural Net workSystems	**Dr.V.Aruna**	IEEE conference Publication (ISACC) in Scopus ISSN2025043475	2025		**DOI:** 10.1109/ISACC65211.2025.10969402	SCOPUS
6	MHD Mixed Convective Chemically Reacted HNF (Fe3O4-SiO2/H2O) Flow Analysis over a	Dr.R.Mohana Ramana	CFD Letters	2025		DOI:10.37934/cfdl.18.1.175197	SCOPUS
7	Comparative analysis of impact of non-linear heat source on mixed convective chemically reacted MHD hybrid nanofluid/nanofluid/fluid over a stretched region	Dr.R.Mohana Ramana	International Journal of Thermofluids	2025		**doi.org/10.1016/j.ijft.2025.101417**	SCOPUS
8	Thermal and Radiative Analysis on Dynamics of Ternary	Dr. Ch. Maheswari	Journal of Mines,	2025		**doi.org/10.18311/jmmf/2025/48337**	SCOPUS

	Hybrid Nanofluid Accompanied by Significance of Viscous Dissipation and Magnetic Field		Metals and Fuels				
9	NUMERICAL EXPLORATION OF CHEMICAL REACTION AND JOULE HEATING EFFECTS ON THE DYNAMICS OF THNF $\boldsymbol{Cu–TiO2–SiO2/H2O}$:HEAT AND MASS TRANSMISSION ANALYSIS	Dr. Ch. Maheswari	JOURNAL OF MECHANICS OF CONTINUA AND MATHEMATICAL SCIENCES	2025		DOI:10.26782/jmcms.2025.07.00001	SCOPUS
10	Comparative analysis of impact of non-linear heat source on mixed convective chemically reacted MHD hybrid nanofluid/nanofluid/fluid over a stretched region	Dr. Ch. Maheswari	International Journal of Thermofluids			**doi.org/10.1016/j.ijft.2025.101417**	SCOPUS
11	Role of Thermal Radiation Effect on Unsteady DissipativeMHD Mixed Convection of Hybrid Nanofluid over an Inclined Stretching Sheet with Chemical Reaction	Dr. Ch. Maheswari	Frontiers in Heat and Mass Transfer	2025		**doi.org/10.32604/fhmt.2025.069392**	SCOPUS

13	Influence of surface oxygen vacancies on the photocatalytic activity of Aurivillius-type Bi3NbTiO9 nanoparticles	Dr.Poli Reddy.V	Applied Physics A	2025		DOI:10.1007/s00339-025-09280-6	SCOPUS
14	Mobile Computing For Language Assessment in Large Scale English Testing:A Study of Efficient And Sscalable solutions	Dr.V.Aruna	Manad College of Engineerin	2025		**DOI:** 10.1109/ICDSIS65355.2025.11071238	SCOPUS
15	ANFIS-PSO analysis on axisymmetric tetra hybrid nanofluid flow of Cu-CNT-Graphene-Tio2 with WEG-Blood under linear thermal radiation and inclined magnetic field: A bio-medicine application, Heliyon,	Maddina Dinesh kumar, José Luis Díaz Palencia, **G. Dharmaiah**, A. Wakif, S. Noeiaghdam, U. Fernandez-Gamiz, S. Dinarvand,	Heliyon, Volume 11, Issue 1, e41429,	2025,	ISSN 2405-8440.	https://doi.org/10.1016/j.heliyon.2024.e41429.	SCOPUS
16	Theoretical analysis of MHD Maxwell two phase nano flow subject to viscous dissipation and chemical reaction: A nonsimilar approach	Muhammad Idrees Afridi**, Gurram Dharmaiah**, Jupudi Lakshmi Rama Prasad, Nallapati Vedavathi,	Case Studies in Thermal Engineering, Volume 65, 105688,	2025,	ISSN 2214-157X.	1) https://doi.org/10.1016/j.csite.2024.105688.	SCOPUS
17	Theoretical analysis of MHD Maxwell two phase nano flow subject to viscous dissipation and chemical reaction: A nonsimilar approach	Muhammad Idrees Afridi**, Gurram Dharmaiah**, Jupudi Lakshmi Rama Prasad, Nallapati Vedavathi,	Case Studies in Thermal Engineering, Volume 65, 105688,	2025,	ISSN 2214-157X.	2) https://doi.org/10.1016/j.csite.2024.105688.	SCOPUS

18	Francis, Progressive Stages or Levels of technical Reading with Sample Reading Components Indicator: For Fourth year B.Tech Students	Ms.Sahana Edwin, **Dr.K.Ponnari Lakshmi**, Ms.M.Indrani, Ms. Dasari Yuvarani, Nalluri babu Rao, Dr.Sabitha Kumari Francis	*South Eastern European Journal of Public Health*,2025,		4993–5000	https://doi.org/10.70135/seejph.vi.5053.	SCOPUS
19	Thermal and Flow Dynamics of Magnetohydrodynamic Burgers' Fluid Induced by a Stretching Cylinder with Internal Heat Generation and Absorption, International Journal of Thermofluids,	Fateh Mebarek-Oudina, **G. Dharmaiah**, J.L. Rama Prasad, H. Vaidya, Manda Aruna Kumari,	,. International Journal of Thermofluids,	2025	100986, ISSN 2666-2027.	https://doi.org/10.1016/j.ijft.2024.100986	SCOPUS
20	Support vector machine learning classification of heat transfer rate in tri-hybrid nanofluid over a 3D stretching surface with suction effects for water at 10°C and 50°C,	Maddina Dinesh Kumar, C.S.K. Raju, Nehad Ali Shah, Se-Jin Yook, **Dharmaiah Gurram**,	Alexandria Engineering Journal, Volume 118, 2025, Pages 556-578,	2025,	ISSN 1110-0168.	1) https://doi.org/10.1016/j.aej.2025.01.061.	SCOPUS
21	Execution of Bioconvective Radiative Dissipative Non-Newtonian Magnetohydrodynamic Flow Comprising Stratification with BVP4C Approach Configured with Vertical Plane	**Gurram Dharmaiah**, Jupudi Lakshmi Rama Prasad, Chegu Ramprasad, Samad Noeiaghdam, Unai Fernandez-Gamiz, Saeed Dinarvand,	*Computer Modeling inEngineering*	*iences* **2025**,		https://doi.org/10.32604/cmes.2025.061190	SCOPUS

22	Thermal Diffusion Effect Analysis of Micropolar Nanofluid Flowing on Inclined Surface:	B. Shankar Goud, Wasim Jamshed, Hijaz Ahmad, Rabia Safdar, Siti Suzilliana Putri Mohamed Isa, Syed M. Hussain, Mustafa Bayram, **G. Dharmaiah**	A Chemical Engineering Case Study.	2025.		**https://doi.org/10.1002/htj.23297**	SCOPUS
23	Optimizing Thermal Performance of Water-Based Hybrid Nanofluids with Magnetic and Radiative Effects over a Spinning Disc,	Maddina Dinesh Kumar, **Dharmaiah Gurram**, Se-Jin Yook, C.S.K. Raju, Nehad Ali Shah,	Chemometrics and Intelligent Laboratory Systems	2025		. https://doi.org/10.1016/j.chemolab.2025.105336	SCOPUS
24	, Melting Heat Transfer Effects on MHD Chemically Thermally Radiative Micropolar Fluid Flow towards Stretching Exponentially Sheet with Heat Sink/Source,	Shaik Mohammed Ibrahim, Bommanna Lavanya, **Gurram Dharmaiah**, Thummala Sankar Reddy, Parakapali Roja,	CFD Letters 17,	2025	113-129	https://doi.org/10.37934/cfdl.17.7.113129	SCOPUS
25	The Influence of Momentum and Concentration Slip Boundary Conditions on A Ferromagnetic Dipole with Radiation, Thermophoresis, and Brownian Motion,	Nagagopiraju Vullam, Jupudi Lakshmi Rama Prasad, M. Aruna Kumari, Ramesh Adireddy, Y. Subba Rao, U. S. B. K.	JOURNAL OF MECHANICS OF CONTINUA AND MATHEM	2025	pp128-141	https://doi.org/10.26782/jmcms.2025.02.00011	SCOPUS

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26	Exploration of physical characteristics of gyrotactic microorganisms and Cattaneo-Christov heat flux past a cone and a wedge with thermal radiation, Case Studies in Thermal Engineering,	**G. Dharmaiah**, K.S. Balamurugan, H. Saxena, U. Fernandez-Gamiz, S. Noeiaghdam, Maddina Dinesh Kumar, C.S.K. Raju,	Case Studies in Thermal Engineering, Volume 68,	2025	105916.	https://doi.org/10.1016/j.csite.2025.105916	SCOPUS
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28	Improvement of electrtocaloric energy storage properties in eco-friendly $0.63Na_{0.5}Bi_{0.5}TiO_3$-$0.37SrTiO_3$-$NaNbO_3$ ceramic synthesized by sol-gel route,	P.E.Satya narayana, K.Roja, **N.Giridhar**, BharatKumar, sk. Akram, G.Bhanu Kiran, N.thiriveedhi, N.Ch.Ramesh babu, A.Kalpana,	*J Mater Sci: Mater Electron* **36**	2025	410	https://doi.org/10.1016/j.csite.2025.105930	SCOPUS

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30	Sustainable Climate Change analysis of Renewable Power	J. Bala murugan, L.Priya darsini, C.Prabakaran, P.S.Ranjit, K.Santha Kumari,	IGI global series	2025	P.P.267-285	DOI:10.4018/979-8-3693-7230-2.ch015	SCOPUS
31	A novel exploration of magnetized nano Jeffrey fluid flow over a chemically reacted permeable disk with ohmic heating	G.Dharmaiah and B.shankar Goud,	Modern Physics Letters B	2025	2550121, PP.1-27	DOI:10.1142/S0217984925501210	SCOPUS
32	Comparison of the Effect of Conventional and Microwave Sintering on Structural and Dielectric Properties of AlN - CaZrO3 and Y2O3 Composite Ceramics	E.radhika, T. Santhosh, C,Ravichandra Rao, G.Keerti Marita, **NVVL Pramila Rani**, P.Dobbidi	Ceramics International	2025		DOI:10.1016/j.ceramint.2024.11.083	SCOPUS
33	Contribution of Soret and dufour aspects on Hybrid nano fluid over 3D Magneto Radiative Stretching Surface with Chemical Reaction	B.Naga Lakshmi, V.S.Bhagaven, **R.Mohana**	, CFD Letters	2025		: https://doi.org/10.37934/cfdl.17.5.131151	SCOPUS

		Ramana, G.V. Ramana Reddy,					
34	Improvment of electrocaloric energy storage properties in eco-friendly 0.63Na0.5Bi0.5TiO3-0.37SrTiO3-NaNbO3 ceramic synthesized by sol–gel route	P. Eswara Satyanarayana Kasaram Roja N. Giridhar Babu Bharat Kumar Dhangar Sk. Akram G. Bhanu kiran Thiriveedhi Narendrudu N. Ch. Ramesh Babu A. Kalpana	Journal of Materials Science: Materials in Electronics	2025		DOI:10.1007/s10854-025-14471-1	SCOPUS
35	Impedance and energy storage properties of NBT-SrTiO3–KNbO3lead-free ceramics	A. Muni Krishnaiah, A. Kalpana, P. N. Mayuri, P. Geetha4, V. Poli Reddy, Pushpalatha Kavuluri, J. V. Satyanarayana, P. Mohan Babu, Virupakshi Prabhakar, and Ramanaiah Malla	J Mater Sci: Mater Electron	2025		DOI:10.1007/s10854-025-14235-x	SCOPUS

36	Collating the structural, vibrational, and photocatalysis properties of LaFeO3 rare-earth orthoferrite nanoparticles synthesized by the sol-gel method	N. Manohar Reddy D. Kothandan Poli Reddy V Simhadri Raju Juvvala M. Gnana Kiran Kodanda Rama Rao Chebattina Uma Chaithanya Pathem Shaik Jaheer Basha Thiriveedhi Narendrudu A. Kalpana	**Journal of Sol-Gel Science and Technology**			DOI:10.1007/s10971-024-06602-7	SCOPUS
37	Investigation of magneto electric coupling on the environmentally friendly 0.94NBT-0.06BCZT/ $CoFe_2O_4$ particulate composite	P. Girija [a], M. Indhu Priya [a], R. Adinarayana Reddy [b], T. Sailaja Rani [c], Rameeza Begum Sheik [d], D. Sharmila [e], M. Gnanakiran [f], Simhadri Raju Juvvala [g], Parimala Jajjara [h], Ramanaiah Malla [i]	Materials Science and Engineering: B	2025		https://doi.org/10.1016/j.mseb.2025.118201	SCOPUS
38	**A Computational Analysis on Chemically Reacting Stagnation Point Hybrid Nanofluid Flow over**	**Bhavanam Naga Lakshmi, Varanasi Srinivasa**	Journal of Advanced Research in	2025		**DOI:** https://doi.org/10.37934/arfmts.131.1.119	SCOPUS

	Stretched Surface under the Influence of Arrhenius Kinetic Energy	**Bhagavan, Mohana Ramana Ravuri etal.**	Fluid Mechanics and Thermal Sciences				
39	**Effect of KNN substitution on the structural, electrical, and piezo characteristics of lead-free 0.94NBT–0.06$SrTiO_3$ ceramics**	Nalamala Srinivasa Rao, B. Srikanth, T.Anjaneyulu, P. Mohan Babu, M. Bhaskaraiah, K. N. V. Lakshmi & Kuppam Mohan Babu	Journal of Materials Science: Materials in Electronics	2024		DOI:10.1007/s10854-024-12611-7	SCOPUS
40	Exploratory on the paradigm shift in the education system with technology assisted ELT	Dr.V.aruna, Dr.Beena Muniyappa, dr.Sonia Gouri, Dr.Ramesh Pettale, Dr.Venkata Siva Kumari Narayanam	Library Progress International	Jul-Dec 2024		https://doi.org/10.48165/bapas.2024.44.2.1	SCOPUS
41	Silver-doped ZrO2-TiO2 nano composite coatings on 316L stainless steel for enhanced corrosion resitance and bio applications	V.J.S.N.Prasad, franco Mayanglambam, **P.N.V.V.VL.Pramila rani**, P.Dobbidi,	Surface & Coatings Technology	2024	493, 131203.	https://doi.org/10.1016/j.surfcoat.2024.131203	SCOPUS
42	Comparitive numerical study between MHD Forchheimer nano and hybrid nano fluid flows over stretching sheet under aligned	K.Venkateswara Raju, **Ch.Maheswari**, R.Mohana Ramana, S.Vijayakumar	International Journal of Modelling	2024		DOI:10.1080/02286203.2024.2393306	SCOPUS

	magnetic field in the presence of radiation absorption	varma, M.Changal Raju	and Simulation				
43	Numerical Analysis of three dimensional Magneto hybritized Nanofluid (Al_2O_3-Cu/H_2O) Radiative Stretchable rotating Flow with Suction	B. Naga Lakshmi, V.S.Bhagavan, **R.Mohana Ramana**, Ch. Maheswari		2024		https://doi.org/10.48084/etasr.8183	SCOPUS
44	MHD Flow and Heat Transfer of Carreau Fluid with Radiation and Heat Source Effect	K.venkateswara Raju, **N.Ravi Babu**, P.Chandra Reddy, B.Veera Sankar, R.Mohana Ramana, D.Sridevi, A.B.M.Raju	Journal of Advanced Research in Numerical Heat Transfer	2024	.	**DOI:** https://doi.org/10.37934/arnht.26.1.142155	SCOPUS
45	Comparitive Study of Chemically Reacted Nano fluids SWCNT, MWCNT with modelling of Cattaneo-Christov Heat Fluxes	B.N.Lakshmi, V.S.Bhagaven, **R.Mohana Ramana**, G.V. Ramana Reddy,	International Journal of Heat and Technology	2024		**DOI:** https://doi.org/10.18280/ijht.420517	SCOPUS
46	Computational study of magnetized 3D revolving hybrid nano fluid with non-linear thermal radiation and heat source/sink over a stretching sheet	Asra anjum, **Ch.Maheswari**, B.naga Lakshmi, R.Mohana Ramana, P.Samdani, Sk.Abdual Gaffar,		2024		https://doi.org/10.1016/j.rineng.2024.102019	SCOPUS
47	Indian Education System In The Teaching Of English: Present Scenario	**Dr. Sabitha Kumari Francis .Dr. K. Ponnari Lakshmi .Dr. Murali Vemula Professor .Dumpala Nirmala**	Library Progress international	2024			SCOPUS

		Devi .Bhaskara Rao Chintha .Dr. Lavanya Madagani					
48	Matrix applications in cryptography	D. Leela; Shaik Mohiddin Shaw; S. Nandakishore; M. Arunakumari; M. Gopi Sai; B. Mahaboob	1. *AIP Conf. Proc.* 3231, 030006 (2024).	2024		https://doi.org/10.1063/5.0236220	SCOPUS
49	Melting Flow Analyzation of Radiative Riga Plate Two-Phase Nano-Fluid Across Non-Flatness Plane with Chemical Reaction	Jupudi Lakshmi Rama Prasad 1, F. Mebarek-Oudina 2, G. Dharmaiah 3, Putta Babu Rao 4, H. Vaidya 5	Frontiers in Heat and Mass Transfer	2024		https://doi.org/10.32604/fhmt.2024.057854	SCOPUS
50	***The influence of a non-uniform heat source/sink and Joule heating on the convective motion of a micropolar fluid in a chemically radiative MHD medium across a stretched sheet***	Gurram Dharmaiah Denis N. Sidorov Samad,Noeiaghdam,Vitaliy P. Pan	iPolytech Journal	2024		DOI:10.21285/1814-3520-2024-3-435-452	SCOPUS
51	Numerical performance of Hall current and Darcy-forchheimer influences on dissipative Newtonian fluid flow over a thinner surface	Ravuri Mohana Ramana , G. Dharmaiah [a] M. Sreenivasa Kumar , ,	Case Studies in Thermal Engineering	2024		https://doi.org/10.1016/j.csite.2024.104687	SCOPUS

52	An exploration of diffusion-thermo and radiation absorption impacts on non-Newtonian MHD flow towards two distinct geometries with biot number	G. Dharmaiah , K.S . Balamurugan, Hemlata Saxena , S. Noeiaghdam , U. Fernandez-Gamiz , S. Dinarvand [f]	Results in Engineering	2024		https://doi.org/10.1016/j.rineng.2024.102477	SCOPUS
53	Influence of activation energy in steady state hydro dynamic non-Newtonian nano fluid with mobile microorganisms	G. Dharmaiah , B. Shankar Goud , Thadakamalla Srinivasulu , M. Sridevi , A nagandula Srinu	Results in Chemistry	2024		https://doi.org/10.1016/j.rechem.2024.101653	SCOPUS
54	Dynamics of non-Newtonian Casson fluid and Cattaneo-Christov heat flux impacts on a rotating non-uniform surface due to Coriolis force: A comparison study of ANFIS-PSO and ANN	Dinesh Kumar Maddina , Suresh Kumar Raju S , Dharmaiah Gurram , Muneerah Al Nuwairan	Results in Engineering	2024		https://doi.org/10.1016/j.rineng.2024.102653	SCOPUS
55	**A multiple applications study of motile microorganisms past a vertical surface with double-diffusive binary base fluid**	Battina Madhusudhana Rao, Putta Durgaprasad, Gurram Dharmaiah, Saeed Dinarvand, Saurav Gupta	*Heat Transfer*	2024		**https://doi.org/10.1002/htj.23142**	SCOPUS

56	**Investigating the Thermal Efficiency of Al_2O_3–Cu–CuO–Cobalt with Engine Oil Tetra-Hybrid Nanofluid with Motile Gyrotactic Microorganisms Under Suction and Injection Scenarios: Response Surface Optimization**	Maddina Dinesh Kumar , Gurram Dharmaiah , Vanessa Fernández Chamorro , and José L. Díaz Palencia	NANO	2024		https://doi.org/10.1142/S1793292024500413	SCOPUS
57	Indian Education System In The Teaching Of English: Present Scenario	**Dr. Sabitha Kumari Francis .Dr. K. Ponnari Lakshmi .Dr. Murali Vemula Professor .Dumpala Nirmala Devi .Bhaskara Rao Chintha .Dr. Lavanya Madagani**	Library Progress International	2024		https://doi.org/10.48165/bapas.2024.44.2.1	SCOPUS
58	Impact of the Lead-Free Crystal Matrix 0.94NBaTiO 3 -0.06SrTiO 3 on the Photoluminescence Properties of Eu +3	Paritala Raghava Rao, V. Raju, +7 authors N. Ch. Ramesh Babu	Physica Status Solid	2024		DOI:10.1002/pssb.202400267	SCOPUS
59	Numerical investigation of 3-D rotating hybrid nanofluid Forchheimer flow with radiation absorption over a stretching sheet	**Ravuri Mohana Ramana**	Results in Engineering	2024		DOI:10.1016/j.rineng.2024.102019	Scopus

60	Influence of Thermophoresis and Brownian Motion on MHD Hybrid Nanofluid MgO - Ag/H2O Flow along Moving Slim Needle	**Chundru Maheswari**	**Journal of Advanced Research in Applied Sciences and Engineering Technology**	2024		DOI: https://doi.org/10.37934/araset.36.2.6790	Scopus
61	Citrus fruit peel extract mediated eco-friendly synthesis of Ag @Co bimetallic nanoparticles and study of their optical and structural characterizations	Tummala Anusha	Materials today proceedings	2023		https://doi.org/10.1016/j.matpr.2023.09.195	Scopus
62	Effect of nanoparticle volume fraction on MHD water based nanofluid flows over a permeable stretching sheet with suction/injection	R.Mohana Ramana	AIP conference proceedings	2023		https://doi.org/10.1063/5.0139888	Scopus
63	Numerical investigation on MHD forchheimer flow of , and nanofluids over permeable stretching sheet with radiation	Shaik Mohiddin Shaw	Results in Engineering	2023		https://doi.org/10.1016/j.rineng.2023.101194	Scopus
64	Chemical Radiation and Soret Effects on Unsteady MHD Convective Flow of Jeffrey	Ravuri Mohanaramana	Communications in mathamati	2023		**DOI:** https://doi.org/10.26713/cma.v14i1.1867	

	Nanofluid Past an Inclined Semi-Infinite Vertical Permeable Moving Plate		cs and applications				
65	**Transient conditions effects on electromagnetic Casson fluid flow via stretching surface: System thermal case elaboration**	Dharmaiah.G	**Numerical Heat Transfer, Part B: Fundamentals**	2023		DOI:10.1080/10407790.2023.2215406	Scopus
66	Numerical study of nanoparticles aggregation on radiative 3D flow of maxwell fluid over a permeable stretching surface with thermal radiation and heat source/sink	Mohana ramana .R	**International Journal of Ambient Energy**	2023		DOI:10.1016/j.rineng.2023.101208	Scopus
67	**Numerical analysis of heat and mass transfer with viscous dissipation, Joule dissipation, and activation energy**	Mohana ramana .R	Results in Engineering	2023		https://doi.org/10.1080/01430750.2023.2224335	Scopus
68	**Soret and Dufour Effects on Radiative MHD Thermosolutal Viscoplastic Nanofluid Mixed Convective Flow Past a Bidirectional Stretching Sheet**	Mohana ramana .R	**Advances in Mathematical Modeling and Scientific Computing**	2023		https://doi.org/10.1007/978-3-031-41420-6_17	Scopus

69	**Mathematical study of MHD nano Carreau liquid flow in an inclined cone and wedge in the proximity of porous medium and chemical reaction**	G. Dharmaiah	**AIP conference Procedings**	2023		https://doi.org/10.1007/978-3-031-41420-6_17	Scopus
70	**Thermophoresis, Brownian Diffusion, Porosity, and Magnetic Parameters' Effects on Three-Dimensional Rotating Ag-CuO/H2O Hybrid Nanofluid Flow across a Linearly Stretched Sheet with Aligned Magnetic Field**	**Mohiddin shaw Shaik**		2023		**DOI:** https://doi.org/10.37934/cfdl.15.10.123151	
71	**Role of Joule heating and activation energy on MHD heat and mass transfer flow in the presence of thermal radiation**	**G,Dharmaiah**	**Numerical Heat Transfer, Part B: Fundamentals**	2023		**https://doi.org/10.1080/10407790.2023.2215917**	

S.No.	Academic Year	Number of National & International Journals	Number of National & International Conferences
1	2026-27	13	3
2	**2025-26**	**14**	**3**
3	**2024-25**	**39**	**2**
4	**2023-24**	**11**	**10**
5	2022-23	26	10
6	2021-22	18	2
7	2020-21	8	1
8	2019-20	33	5
9	2018-19	17	7
10	2017-18	8	6