

Research Publications Academic Year 2023-24

S.No.	Title of the Research Publication	Name of the faculty	Name of the Journal	Month and Year	ISSN	Issue	Volume	Page no.	DOI	Indexing	Impact Factor
1	Synthesis and thermal stability of ferrites added polymers nanocomposites	P. Raju, A Thirupathi , Ch. Kalyani, Sk. Mahammed Ali, J. Shankar, G. Neeraja Rani, J. Anjaiah, M. Kanaka Durga	Materials Today: Proceedings	2023/07	2214-7853	Part 2.	92	1671-1675	https://doi.org/10.1016/j.matpr.2023.05.303	Scopus Index	I.F 2.59
2	Dielectric studies of BaxPb(1-x)(NO3)2 single crystalsfor optoelectronic applications	Nama Arundati, Koyada Pratap , A.S. Madhusudhan Rao, M. Antony Lilly Grace	Materials Today: Proceedings	2023/07	2214-7853	Part 2.	92.	Pages 1493-1496	https://doi.org/10.1016/j.matpr.2023.05.705	Scopus Index	I.F 2.59
3	Effect of heat treatment on dielectric and ferroelectric properties of BST	A.Shiva kumar, R.V.Sudherr kumar, Sk. Mahammed Ali, J. Shankar,	Materials Today: Proceedings	Jul-23	ISSN 2214-7853 Volume 92, Part 2, 2023, Pages 1070-1073	Part 2.	92.	1070-1073	https://doi.org/10.1016/j.matpr.2023.05.075	Scopus	I.F 2.59

4	Ultrasonic velocity studies in Pure and Adulterated edible Oils	Dr. SK. Mahammad Ali, P. Raju, T. V. Prashanthi, J. Shankar, J. Anjaiiah, S.K. Nuslin Bibi, S. Rajesham	Advanced Technologies in Chemical, Construction and Mechanical Sciences, AIP Conf. Proc. 2764, 040005(2023)	2023/09	2214-7853	Part 2,	92,	918-923	https://doi.org/10.1063/5.0145830	Scopus Index	0.41
5	Structural, Optical, Magnetic and Dielectric Properties of Ce-Doped MgFe2O4 Prepared by Microwave Hydrothermal Method	T. Suresh Kumar, G. Sriramulu, P. Raju, T. Ramesh, K. Praveena and S. Katlakunta	ECS Journal of Solid State Science and Technology	2023/09	ISSN: 2251-6727	13	6	1204-1211	10.1149/2162-8777/acf7ef	Scopus	I.F. 3.30
6	Microfluidics temperature compensation and tracking for drug injection based on mechanically pulsating heat exchanger	G.C.Sankad,G.Durga Priyadarsini,Magda Abd El-Rahman,M.R.Gorji, Nizar AbdallahAlsufi	Journal of Thermal Analysis and Calorimetry	2023/09	1087-6596	49	6	584-592	10.1007/s10973-023-12520-7	SCIE/Scopus	I.F. 5.25
7	Design, Synthesis of Novel 1,2,3-Triazole Pendent Quinazolinones and Their Cytotoxicity against MCF-7 Cell Line	Nagaraju Myakala, Kotaiah Kandula, Nagamani Rayala,Sateesh Kuna, Vishnu Thumma,[and Kanaka Durga Bhavani Anagani*	Chemistry and Biodiversity	2023/09	ISSN.0094-243X	1	2764		https://doi.org/10.1002/cbdv.20230800	SCI	I.F. 2.97

8	Transmission of substituent effect through π -conjugation	R.Sanjeev (corresponding author) and V.Jagannadham	Journal of Chemical Science	2023/11		Number 9	Volume 12		https://doi.org/10.1134/S0036024423110134	SCI	1.63
9	pK _a s of Five Membered Heterocyclic Ring Systems C ₄ H ₄ XH (X = N, P, As, Sb, Bi, Mc) including the novel hypothetical molecule Moscole (C ₄ H ₄ McH)	V.Jagannadham, R.Sanjeev (corresponding author), Adam A Skelton and K.Santoshkumar	Russain Journal of Physical chemistry A	2023/11	0044-4537		97	2463-2469	https://doi.org/10.1134/S0036024423110134	SCI	0.74
10	Language and Technology	G. Sunil, Dr. B. Nagamani	AIP Conference	2023/10	978-0-7354-4673-1/978-0094-243X		2794	20007		Scopus Index	0.41
11	Machine learning in drug discovery: Innovations at the Molecular Level	B. Susrutha, Bharat Kumar Chennuri, S. Chandrasekhar, Chintham Reddy Amaravathi, N. Mahesh, Amrita Saha	Journal of Chemical Health Risks	2023/12	ISSN: 2251-6727	6	13	1204-1211		SCIE	I.F.0.77
12	Effect of Rare Earth Ion Doping on ac Conductivity and Dielectric	J. Anjaiah	Glass Physics and Chemistry (Springer Nature)	2023/12	1087-6596	11	97	2463-2469	https://doi.org/10.1134/S1087659622600636	SCIE	I.F.0.67

13	Synthesis of Novel Series of 1,2,3-Triazoles Tethered to Pyrazolo[3,4-d]pyrimidine Scaffold with Methoxyphenoxy Linker	KOTAIAH KANDULA1, , NAGARAJU MYAKALA1, , NAGAMANI RAYALA1, , SATHEESH KUNA2, , SUMATHI VODNALA1, , VISHNU THUMMA3, and A.K.D. BHAVANI1,* ,	Asian Journal of Chemistry;	2023/12	ISSN: 0975-427X	12	35		https://doi.org/10.14233/ajchem.2023.29040	SCIE	I.F.0.47
14	JEFFKEY FLUID FLOW DRIVEN BY PERISTALTIC PUMPING WITH NANOPARTICLES IN	N. Subhadra	Journal of Naval Architecture and Marine Engineering	2023/12	ISSN: 2070-8998				http://dx.doi.org/10.3329/jname.v20i2.55117	Scopus	1.84
15	CASE STUDY ON EARLY-STAGE RISK PREDICTION BY MACHINE LEARNING ALGORITHMS	T. Deepthi, V.s. Triveni , Thanniru Dharma Nithin, Danish Adnaan Mohammed, Salveru Keerthana	International Journal on Recent and Innovation Trends in Computing and Communication	2023/12	2321-8169	9	11		https://ijritcc.org/index.php/ijritcc/article/view/9890	Scopus	0.68

16	Application of Hammett and Taft Equations Together on the Deprotonation Equilibria of Isoxazolium Cations: A One Hour Graduate Classroom Teaching Investigation of the structural and electrical behaviour of Mn-substituted ZnO synthesis and in-situ studies of 4-(5-(2-(4-(5-aryl-1,2,4-thiadiazol-3-yl)phenyl)-1H-imidazol-4-yl)-1,3,4-thiadiazol-2-yl)pyridines	Sanjeev Rachuru, Raju Manthana, K. Ankamma, D. A. Padmavathi, V. Jagannadham	World Journal of Chemical Education (USA)	2024/01	2375-1657 2375-1665	1	12	Page 1-5	10.12691/wjce-12-1-1	Scopus	I.F.0.43
17	structural and electrical behaviour of Mn-substituted ZnO	Ch. Kalyani, P. Raju	PHASE TRANSITIONS	2024/01	10290338, 01411594	3	97	145-158	https://doi.org/10.1080/01411594.2023.2300975	SCI	1.71
18	synthesis and in-situ studies of 4-(5-(2-(4-(5-aryl-1,2,4-thiadiazol-3-yl)phenyl)-1H-imidazol-4-yl)-1,3,4-thiadiazol-2-yl)pyridines	K.Shashikala, E. Laxminarayana	Results in chemistry	2024/01	2211-7156		Vol 78	101303	https://doi.org/10.1016/j.rechem.2023.101303	SCOPUS	I.F. 2.37
19	An efficient copper catalysed synthesis of 2-methoxy-3-(1H-1,2,3-Triazol-1-yl)Methyl)Quinoxalines under click conditions	K.Shashikala, Asrabanu sayeda, Balaraju V, Ravikumar B., E. Laxminarayana	Heterocyclic letters	2024/01	2231-3087	1	Vol.14	13-16	http://heteroletters.org	WoS	I.F.0.04
20	Finite element solutions of Double diffusion effects on three-dimensional MHD Nano-Powell-Eyring fluid flow in presence of thermal and mass Biot numbers	Dr.G.Murali	Journal of engineering and applied science	2024/01						Scopus	

21	Observations on the structural, piezoelectric, and impedance properties of cation-(La and Sn) modified lead zirconium titanate (PLZST) ceramics	P.Sreedhar	Journal of Materials Science: Materials in Electronics	2024/2	volume No.35, 454 (2024), ISSN: 0957-4522				https://doi.org/10.1007/s10854-024-12244-w	SCI	2.97
22	Synthesis and Biological Screening of Novel Indole-derived Imidazo[2,1-b] [1,3,4] thiadiazoles as EGFR Targeting Anticancer	K.Sateesh	Russian Journal of Organic Chemistry	2024/2	ISSN 1070-4280	No. 11	Vol. 59	1968-19	10.1134/S1070428023110155	SCI	0.84
23	Thermal effects of power lawfluid in an elastic tube	N.Subadra	Partial differential equations in applied mathematics	2024/2	9(4):100639		9	100639	https://doi.org/10.1016/j.padiff.2024.100639	Scopus	5.23
24	Impedance spectroscopy and conductivity studies of Sr(Bi _{3.9-x} Nd _x La _{0.1})(Ti _{3.975} Zr _{0.025})O ₁₅ (x=0.00, 0.025, 0.05, 0.075 and 0.1) ceramics	Dr. B. Mamatha	Ferroelectrics	Feb-24	0015-0193; 168, 1006-1018	4	618	1006-1018	https://doi.org/10.1080/00150193.2023.2300611	SCI	0.87
25	Synthesis of Novel 2-((3-(Benzofuran-2-yl)-1-phenyl-1H-pyrazol-4-yl)methylene)hydrazinyl-4-phenylthiazole: Potent EGFR Targeting Anticancer Agents	Sateesh A, Rambabu P, * Srinu Bhoomandla , N Kotilingaiahe, J Sandhya, and Jyothi M, **	Russian Journal of BioOrganic Chemistry	Feb-24	1068-1620	50	VOL.1	34-54	https://link.springer.com/article/10.1134/S1068162024010138 DOI: 10.1134/S1068162024010138	SCI	

26	Observations on the structural, piezoelectric, and impedance properties of cation-(La and Sn) modified lead zirconium titanate (PLZST) ceramics	Kalpana Tirumalasetti, J. Ashok, Ravi Guduguntla, N.Ch. Ramesh Babu, P. Geeta, Virupakshi Prabhakar, G. Nagaraju, A. Chittibabu, Pandiri	Journal of Materials Science: Materials in Electronics	Feb-24	0957-4522	35	454		https://doi.org/10.1007/s10854-024-12244-w	SCI	
27	Digital Teaching of Grammar and Vocabulary Creatively	Dr.C.Goverdhan	Art and Humanities	Feb-24	2349-137X	Special Issue 7	Vol.1	75-82	https://ugccare.unipune.ac.in/Apps/1/User/WebA/ViewDetails?JournalId=101051571&flag=Search	UGC	
28	A facile method to develop electroactive beta phase in PVF2 molecules by doping Au-nanoparticles in form of nanocomposites for dielectric applications	Dr. B. Susrutha	Arabian Journal for Science and Engineering	Mar-24	ISSN: 2191-4281		49	9467-9475	https://doi.org/10.1007/s13369-024-08851-8	SCI	3.67
29	Pristine Perspective Point of View in Narrative Fiction: A Pedagogical Significance	Dr. A. Shobha Rani	Education and Society	Mar-24	ISSN: 2278-6864	Issue 01	47	85-92		UGC care	0.4
30	Heat and Mass Transfer in Unsteady Radiating MHD Flow of a Maxwell Fluids with a Porous Vertically Stretching Sheet in the Presence of Activation Energy and Thermal Diffusion Effects	Dr.P.Sarada devi	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences "	Mar-24	ISSN:2289-7879	Issue 02	vol.115	158-177	https://doi.org/10.37934/arfmts.115.2.158177	Scopus	1.44

31	An Experimental Study on Gamma- Radiation Attenuation in Tungsten	Dr. A. S. Madhusudhan Rao	Journal of Chemical Health Risks	March, 2024	ISSN : 2251-6727	Issue 2	14	279-284	www.jchr.org	Scopus	I.F.0.77
32	Digital Teaching of Grammar and Vocabulary Creatively	Dr.C.Goverdhan	Anhad Lok	March, 2024	ISSN 2349-137X					UGC CARE	
33	ISOLATION, CHARACTERIZATION OF BIOACTIVE COMPOUNDS FROM <i>Muntingia calabura</i> – A PHARMACOLOGICAL STUDY	Siddhartha Marupati,1 Shashikala Kethireddy ,2 and Laxminarayana Eppakayala3,*	Pharmaceutical Chemistry Journal	March, 2024		No. 12	Vol. 57		DOI 10.1007/s11094-024-03100-6	SCI	I.F.0.77
34	Synthesis and docking studies of 1,3,4-oxadiazole, keto pyrazole, pyrrole and lactam derivatives of Thienopyrimidines as EGFR tyrosine kinase inhibitors	Giri Tharikoppula1, Shashikala Kethireddy 2 , Suresh Bairi3 , Murali Malleli 4 and Laxminarayana Eppakayala1	South African Journal of Chemistry	Apr-24	ISSN 1996-840X		Vol 78	122-126	https://journals.co.za/content/journal/chem/	SCI	1.82
35	Artificial Intelligence in Classroom Management: Improving Instructional Quality of English Class with AI Tools	Dr. K. Yugandhar, Dr. Y. Raghunatha Rao	Educational Administration: Theory and Practice	Apr-24	2148-2403					SCOPUS	

36	Influence of variable viscosity and slip on heat and mass transfer of immiscible fluids in a vertical channel	Vanaja Gosty, G. Srinivas , B. Suresh Babu, B. Shankar Goud, Ahmed S. Hendy, Mohamed R. Ali	Case Studies in Thermal Engineering	Apr-24	2214-157X		Vol. 58	104368	https://doi.org/10.1016/j.csite.2024.104368	SCI	7.06
37	New approach to solve fuzzy transportation problem with pentagonal fuzzy costs through interval transportation problem	Dr. B S Surya Prabhavati	YMER	May-24	0044-0477				http://ymer.digital.com	Scopus	
38	Derivation Alternator Rings with $S(a, b, c) = 0$	Dr.P.Sarada devi	Boletim da Sociedade Paranaense de Matematica	May-24	ISSN-2175-1188 on line 0037-8712 in press		42	01-Apr	http://dx.doi.org/10.1016/j.bolmat.2024.104368	Scopus	
39	Repurposing Quercetin in Treating Parkinson's Disease With Network Based Protein-Protein Interactions And Molecular Docking Studies	Dr J.V.Madhuri	African Journal of Biological Sciences	May-24	2663-2187	10	6		https://doi.org/10.33472/AFJBS.6.10.2024.590-597	Scopus	
40	SYNERGETIC AND ONE-POT SYNTHESIS OF 2-HYDAZINYL 1,3-THIAZINYL 2H-CHROMEN-2-ONE DERIVATIVES	J.Bhargavi , K.Shashikala	Heterocyclic letters	May-24	ISSN : (print) 2231-3087 / (online) 2230-9632	Issue 2	Vol.14	235-241	http://heteroletters.org	WoS	
41	Unveiling Rayleigh wave dispersion using Python	Dr H Lakshmi Mittipati	Ymer	May, 2024	ISSN 0044-0477				http://ymer.digital.com	Scopus	

42	Smart Laboratories: Integrating AI for Efficient Chemical Analysis	Dr B.Srinu,Dr.k.Santosh kumar	Journal of Chemical Health Risks	May-24	ISSN:2251- 6727					Scopus	
43	HE COMPLEXITY OF RACIAL, COLONIAL, AND POST-COLONIAL FORCES IN GOPINATH MOHANTY'S THE ANCESTOR	Mrs. P. Mercy Kavitha	Forum for Linguistic Studies	May-24		Issue 1,	Vol 6	372-377	https://doi.org/10.24294/fls.v6i2.2135	Scopus	
44	Suction and double stratification effect on unsteady MHD heat transfer nano fluid flow over a flat	Dr.N.Nagireddy	Results in Engineering	Jun-24	ISSN 2590- 1230		Vol. 23	102431	https://doi.org/10.1016/j.rineng.2024.102431	Scopus	
45	Impact of Radiation on Unsteady MHD Free Convective Flow past a Vertical Porous Plate with Soret Effect	Dr.Sk.Nuslin	YMER	Jun-24	0044-0477	Issue 06	Vol.23	Page No:1231- 1246	http://ymer.digital.com	Scopus	