

CH.S.D.ST.THERESA'S COLLEGE FOR WOMEN (AUTONOMOUS), ELURU

Department of Chemistry - UG &PG

LIST OF PUBLICATIONS (2023 - 2024)

S. No	Name of the Department	Title of the Paper	Name of the Author	Name of the journal	ISSN number	Year of publication	Link	doi number	Vol.No , Issue No &Page No.	UGC/S COPU S/SCI
1	Chemistry	<i>In silico</i> molecular docking study and nano TiO ₂ - SiO ₂ catalyzed microwave facilitated synthesis of new bis(α -aminophosphonates) as potential anti diabetic agents, Phosphorus, Sulfur, and Silicon and the Related Elements.	Dr.V.Nagalakshmi	Taylor and Francis Ltd	ISSN No:1042-6507	14 th April 2023	https://doi.org/10.1080/10426507.2023.2198715	https://doi.org/10.1080/10426507.2023.2198715	Vol 198, Pages:1-14	Web of science

2	Chemistry	Thermodynamic and spectroscopic properties of binary liquid mixtures of p-chloroacetophenone and isomeric xylenes at various temperatures	N.Gayatri Devi	YMER	ISSN:0044-0477	May-2023	http://ymerdigital.com		Volume 22 Issue 5	SCOPUS
3	Chemistry	Visible spectrophotometric methods for the quantitative estimation of lopinavir in their formulations	Dr.V.Nagalakshmi	International journal of innovations in engineering research and technology [IJIERT]	ISSN: 2394-3696	June - 2023	www.ijiert.org		Volume 10, issue 6	Google scholar
4	Chemistry	Method development and validation of baricitinib in bulk and Pharmaceutical dosage form by using RP-HPLC	Dr.M.Rama Dr.V.Nagalakshmi Dr.K.Swarnalatha	International journal of innovations in engineering research and technology [IJIERT]	ISSN: 2394-3696	June - 2023	www.ijiert.org		Volume 10, issue 6	Google scholar
5	Chemistry	Determination of Sodium, Potassium, and Calcium Content in Diverse Mango Fruit Varieties and Mango Flavoured	Dr.V.Nagalakshmi	Eur. Chem. Bull	ISSN: 2063-5346	June - 2023	DOI: 10.48047/ecb/2023.12.7.289	DOI: 10.48047/ecb/2023.12.7.289	Volume 12 Issue 7	SCOPUS

		Beverages from Nuzvid, Eluru District, AP through Flame Photometry								
6	Chemistry	Study of effect of nitrogen treatment on Nd-Fe-B based powder	Vinjamuri S.N.CH. Dattu , M. Srilakshmi, N.S.M.P. Latha Devi , Pravin P Patil , Nanduri Gayatri Devi , S. Kaliappan	Materials Today: Proceedings	ISSN 2214-7853	26 th Aug-2023	https://doi.org/10.1016/j.matpr.2023.08.317			SCOPUS- Elsevier journal
7	Chemistry	Dynamic mechanical, tensile fatigue and water absorption behaviour of polyester composites comprises of <i>Amaranthus dubius</i> stem natural fiber and its root waste crystalline cellulose	J. Joshua Gnana Sekaran · P. Thirumurugan · Sumanth Ratna Kandavalli · K. Swarnalatha4	Biomass Conversion and Biorefinery		29 th August 2023	https://doi.org/10.1007/s13399-023-04831-4			Springer Nature 2023
8	Chemistry	Thermal management of PV panel through the circulation of a	SK. Fakruddin Babavali N.S.M.P. Latha Devi , Seeniappan Kaliappan , Neha	Materials Today: Proceedings	ISSN 2214-7853	1 st Sep-2023	https://doi.org/10.1016/j.matpr.2023.09.023			SCOPUS- Elsevier journal

		nano-MgO/ water-based nanofluid	Garg , V. Nagalakshmi , N.R. Rajagopalan				001			
9	Chemistry	Improving the productivity of the solar-based evaporative still (SBES) using the nano-coated absorber	Patlola Madhusudhan , N.S.M.P. Latha Devi , Dr.Seeniappan Kaliappan , Dinesh Chandra Pandey , J. Sai Chandra , C.A. Jyothirmayee	Materials Today: Proceedings	ISSN 2214- 7853	2 nd Sep- 2023	https://doi.org/10.1016/j.matpr.2023.09.014			SCOPUS-Elsevier journal
10	Chemistry	Study on the wear properties of Al5083 metal matrix composite using boron carbide nanoparticles	Raj kumar Gupta , MeghashamNaray anrao Narule , M. Mudhu Krishnan , M. Rama , Dinesh Chandra Pandey , Jampana Madhuri Sailaja	Materials Today: Proceedings	ISSN 2214- 7853	2 nd Sep- 2023	https://doi.org/10.1016/j.matpr.2023.09.013			SCOPUS-Elsevier journal
11	Chemistry	Analyzing performance of a solar water heater using nano-ZrO ₂ / water-based	M. Rashmi , P. Satya Sagar , N.S.M.P. Latha Devi , V.B. Sreedhar , N. Gayatri Devi ,	Materials Today: Proceedings	ISSN 2214- 7853	2 nd Sep- 2023	https://doi.org/10.1016/j.matpr.2023.09.012			SCOPUS-Elsevier journal

		nanofluid	D.T. Sakhare							
12	Chemistry	Structure, DC electrical resistivity, and magnetic properties of Gd ³⁺ substituted NiZnCo ferrites system	Tejeswararao Reddy , Sivasankar Reddy Akepati , V. Nagalakshmi , D. Jagadeeswara Rao , Ramakrishna Madaka	Inorganic Chemistry Communications	ISSN 1387-7003	23 rd Sep-2023	https://doi.org/10.1016/j.inoche.2023.111496			SCOPUS-Elsevier journal
13	Chemistry	Ultrasound mediated nano ZnO catalyzed synthesis of new α -aminophosphonates as potential anti-diabetic agents; an in silico ADMET, molecular docking study, α -amylase and α glucosidase inhibitory activity	CH. Subramanyam, K. Kiran Kumar, K. Venkata Ramana, C. Gladis Raja Malar, S. Mohan & V Nagalakshmi	Synthetic Communications .	ISSN 1532-2432	15 th Oct.2023	https://doi.org/10.1080/00397911.2023.226958			Web of Science
14	Chemistry	“Chemical Reactivity and Nano catalysis”	Dr CA Jyothirmayee	united international journal of engineering and sciences	ISSN: 2582-5887	Jan -2024.	https://www.uijes.com/Files/Papers/v4s			Google scholar

				[UIJEC] pp 120-124,			i2/PAP ERS- PDF- 05-01- 2024.pd f			
15	Chemistry	Quantitative and qualitative estimation of phytochemicals of malted & unmalted sorghum millet.	Dr V.Naga Lakshmi ,V.Sai Keerthi , Ch.Pujitha, T.kavyanjali , V.Divya , Ch. Kohima.	Advances and applications in applied sciences,	ISBN 978-93 90146-57-4.	Oct.2023	IMRF institute of higher education & Research, India			
16	Chemistry	A study and estimation of phytochemicals in malted & unmalted Quinoa millet by Uv-Visible spectrophotometer	Dr N Gayatri Devi, S.Praneetha , Ch.Navya , B.Krupadeepika , G.Anusha , M.Bindu, NVNB.Srinivasa Rao	Advances and applications in applied sciences,	ISBN 978-93 90146-57-4.	Oct.2023	IMRF institute of higher education & Research, India			
17	Chemistry	Phytochemical estimation and antioxidant activity of malted & unmalted seed extract of Proso millet	Dr M.Rama , A.Bhagyasri , D.Rajyalakshmi, M.Sravani , P.Gayathri , I.Indupriya.	Advances and applications in applied sciences,	ISBN 978-93 90146-57-4.	Oct.2023	IMRF institute of higher education & Research			

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18	Chemistry	Phytochemical screening and green synthesis of iron oxide and silver nanoparticles from phyllanthus acidus leaves	. Dr. Kurapati. Swarna Latha, B.Harichandana Devi, B.Ragaharshini , Ch.Ponnari Srimani , A. Radha Likhitha	Advances and applications in applied sciences,	ISBN 978-93 90146-57-4.	Oct.2023	IMRF institute of higher education & Research, India			
19	Chemistry	Development and validation of RP-HPLC method for the estimation Tazemetostat	Dr CA Jyothirmayee ,Dr.M.Manoranjani, KJSubashini, N.Madhavi ,Sruthi Rajkamal.	Advances and applications in applied sciences,	ISBN 978-93 90146-57-4.	Oct.2023	IMRF institute of higher education & Research, India			
20	Chemistry	Estimation of phytochemicals of malted & unmalted Kodo millet quantitatively	Dr V.Naga Lakshmi , A.Sundarlatha , T.Yasaswini, Ch.Vanaja, D.Inushitha Devi	Advances and applications in applied sciences,	ISBN 978-93 90146-57-4.	Oct.2023	IMRF institute of higher education & Research, India			

21	Chemistry	Spectrophotometric determination of phytochemicals in malted & unmalted Andukorralu	Dr N Gayatri Devi , G.Uma Devi , N.Abhijna, Y.Kiranmayi, k.Kavya, G.Suswara, NVNB.Srinivasa Rao	Advances and applications in applied sciences,	ISBN 978-93 90146-57-4.	Oct.2023	IMRF institute of higher education & Research, India			
22	Chemistry	Method development and validation of Gemecitabine in bulk and dosage forms by using RP-HPLC	Dr CA Jyothirmayee , D.Kavya Tejasri , G.Trisha, G.Vasanth, Mahalakshmi ,T.sailaja	Advances and applications in applied sciences,	ISBN 978-93 90146-57-4.	Oct.2023	IMRF institute of higher education & Research, India			
23	Chemistry	Estimation of Phytochemicals, micronutrients and antioxidant activity of malted & unmalted seed extract of Foxtail millet	Dr M.Rama , B.Pavithra, N.Sindhu, K.Smily ,R.Sandhya Rani, A.Gowthami.	Advances and applications in applied sciences,	ISBN 978-93 90146-57-4.	Oct.2023	IMRF institute of higher education & Research, India			
24	Chemistry	Sustainable green synthesis of biogenic iron oxide, silver nano particles using Lagenaria	Dr. K. Swarna Latha ,Y.Sukanya ,J.Suneetha, M. Tirumala ,J.Swarupa	Advances and applications in applied sciences,	ISBN 978-93 90146-57-4.	Oct.2023	IMRF institute of higher education			

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25	Chemistry	Comprehensive development and validation of RP-HPLC method for Tolvaptan determination in bulk and dosage forms	. Dr CA Jyothirmayee, K.Ganga Bhavani, K.SaiPrasanna , Md. Reshma Sulthana, M. Vani Srilatha , Sai Tulasi	Advances and applications in applied sciences,	ISBN 978-93 90146-57-4.	Oct.2023	IMRF institute of higher education & Research, India			
26	Chemistry	A study and estimation of Vitamin B ₁₂ in fortified foods using HPLC	. Dr N Gayatri Devi , V.Pavani , V.Lalitha Pavani	Advances and applications in applied sciences,	ISBN 978-93 90146-57-4.	Oct.2023	IMRF institute of higher education & Research, India			
27	Chemistry	Method development and validation of Thiocolchcoside and Paracetamol in bulk and dosage forms by using RP-HPLC	Dr CA Jyothirmayee , D.Nagalakshmi , KVV.Karpagavalli , PJNV.Sravani , V.Tejaswi	Advances and applications in applied sciences,	ISBN 978-93 90146-57-4.	Oct.2023	IMRF institute of higher education & Research, India			

28	Chemistry	Role of Artificial intelligence and ICT in Sustainable development goals.	Shamim, G.Krishnaveni , Dr CA Jyothirmayee	Artificial intelligence in Chemistry: Current trends & Future directions.	ISBN978-81-958704-5-5	Nov.2023	KBN College , Vijayawada			
29	Chemistry	Protein molecular interaction prediction:AI driven molecular properties detection.	B.Lavanya , Dr.M.Rama	Artificial intelligence in Chemistry: Current trends & Future directions.	ISBN978-81-958704-5-5	Nov.2023	KBN College , Vijayawada			
30	Chemistry	Predicting molecular properties of Gedunin derivatives through artificial intelligence.	Y.Ramya, Dr.V.Nagalakshmi ,	Artificial intelligence in Chemistry: Current trends & Future directions.	ISBN978-81-958704-5-5	Nov.2023	KBN College , Vijayawada			
31	Chemistry	Artificial intelligence for neural network and machine learning.	SN Murthy, Ch.Bhuvaneswari, Dr. K.Swarnalatha	Artificial intelligence in Chemistry: Current trends & Future	ISBN978-81-958704-5-5	Nov.2023	KBN College , Vijayawada			

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32	Chemistry	Accurate prediction of molecular properties and Drug targets using a self-supervised image representation learning framework.	M.Radhika ,Dr.N.Gayatri devi,A.Surya Kumari	Artificial intelligence in Chemistry: Current trends & Future directions.	ISBN978-81-958704-5-5	Nov.2023	KBN College , Vijayawada			
33	Chemistry	Phytochemistry & Pharmacological studies of Betel piper	Dr.V.Nagalakshmi	Journal of Pharmaceutical Negative Results	ISSN:0976-9234	Dec.2022	https://pnjournal.com		Volume 13 special issue 10	SCOPUS
34	Chemistry	RP-HPLC Method for the simultaneous estimation of Aspirin and Prasugrel Hydrochloride in bulk and dosage forms.	Dr CA Jyothirmayee , V.Sai Sravani , L.Ganga Srivalli	Chemical and Biochemical approaches for development of Drug targets against modern diseases	ISBN	Feb.2024	Sri Durga Malleswara Siddrthamahila Kalasala , Vijayawada			

35	Chemistry	A new method development and validation of simultaneous estimation of Eplerenone and Torsemide by using HPLC in bulk and pharmaceutical formulations	Dr.M.Rama , K.Bhavana A. Gowthami	Chemical and Biochemical approaches for development of Drug targets against modern diseases	ISBN	Feb.2024	Sri Durga Malleswara Siddrtha mahila Kalasala , Vijayawada			
36	Chemistry	New analytical method and validation for simultaneous estimation of Alogliptin and Metformin in bulk and solid dosage forms	Dr.V.Nagalakshmi , Ch.Navya , M.Sravani	Chemical and Biochemical approaches for development of Drug targets against modern diseases	ISBN	Feb.2024	Sri Durga Malleswara Siddrtha mahila Kalasala , Vijayawada			
37	Chemistry	UV spectrophotometric method and validation of Doravirine in bulk and solid dosage forms .	Dr.K.Swarnalatha , P.Gayatri , Ch.Vanaja	Chemical and Biochemical approaches for development of Drug targets against	ISBN	Feb.2024	Sri Durga Malleswara Siddrtha mahila Kalasala , Vijayaw			

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38	Chemistry	Development and validation of Stability-indicating method for the determination of Netarsudil Mesylate by using RP-HPLC	Dr. N.Gayatri Devi , NVNB. SrinivasaRao , B.Krupadeepika	Chemical and Biochemical approaches for development of Drug targets against modern diseases	ISBN	Feb.2024	Sri Durga Malleswara Siddrtha mahila Kalasala , Vijayawada			
39	Chemistry	Validated Spectrophotometric determination of Ketorolac Tromethamine in Pharmaceutical formulations.	Mrs.KJ.Subashini, K.Srilatha, V.Divya, A.Sri lakshmi	Chemical and Biochemical approaches for development of Drug targets against modern diseases	ISBN	Feb.2024	Sri Durga Malleswara Siddrtha mahila Kalasala , Vijayawada			
40	Chemistry	Spectrophotometric method for the estimation of Remogliflozin	Ms.N.Madhavi D. Inushitha Devi, V.Sai Keerthi , Ch.Pujitha	Chemical and Biochemical approaches	ISBN	Feb.2024	Sri Durga Malleswara			

		Etabonate in Bulk and dosage Forms		for development of Drug targets against modern diseases			Siddrtha mahila Kalasala , Vijayawada			
41	Chemistry	A Quantitative Estimation of Phytochemicals Anti Diabetic and Anti-Oxidant Activities in crude extracts of <i>Zingiber officinale rhizome</i>	Dr.K. Swarna Latha	YMER	ISSN : 0044-0477,	Mar - 2023	http://ymerdigital.com ,	Page No: 964-972	Volume 22 : Issue 03	Web of Science
42	Chemistry	Graphene: Synthetic and reduction approaches.	Dr.K. Swarna Latha	Futuristic trends in chemical, material sciences and Nanotechnology.	e-ISBN-9793-5747-683-6.	2024		Page No: 1211-1222.	IIP Series, VOLUME: 3, Book ;3, Chapter - 15	