

Achievements of Faculties

Achievements of Faculty Members: ** For the year 2023-24 ** 1 of 3
 Details of research papers per teacher in CARE Journals notified on UGC website during the year

Sl.No.	Department of the Author(s)	Name of the Author(s)	Title of the Paper	Name of the Journal	Month and Year of publication	ISSN	Link to the notification in UGC enlistment of the Journal
1	Mathematics	Dr. K. Radha	Characterizations of the Direct Sum of Two Difference - Mean Fuzzy Graphs	Indian Journal of science and technology	2024	Volume: 17, Issue: 20, Year: 2024, Pages: 2043-2049 ISSN: 0974-6846	https://mjcl.caregate.com/search-results?issn=0974-6846&hide_exact_match_filter=true&utm_source=mjcl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
2	Mathematics	K. Raja, P. Maragatha Meenakshi, Abdallah Al-Hushan, Abdallah shihadeh, Mowafaq Omar Al-Qadri, N. Rajesh, M. Palanikumar	Multi-criteria group decision making approach based on a new type of neutrosophic vague approach is used to select the shares of the companies for purchase	International Journal of Neutrosophic Science	Feb-24	Vol. 23, No. 03, PP. 296-303, 2024, UGC approved journal, ISSN: 2690-6805	https://www.scopus.com/sourceid/21101066571
3	Mathematics	K.Raja, P. Maragatha Meenakshi, N. Rajesh, M. Palanikumar, Faisal Al-Sharqi, Ashraf Al-Quran, Ali Mohammad Alotran Hany Awad	New type neutrosophic set applied to power aggregating operators	International Journal of Neutrosophic Science	Feb-24	Vol. 23, No. 03, PP. 220-232, 2024, UGC approved journal	https://www.scopus.com/sourceid/21101066571
4	Mathematics	C. Sivakumar, P. Maragatha Meenakshi, Ariyared lampan, N. Rajesh and Suganthi Mariyappan	Logarithmic Pythagorean neutrosophic vague aggregating operators and their real-life applications	International Journal of Neutrosophic Science	Jan-24	Vol.23, No.03, PP.111-130, 2024, UGC approved journal, ISSN: 2690-6805	https://www.scopus.com/sourceid/21101066571
5	Mathematics	C. Sivakumar, Mowafaq Omar Al-Qadri, Abdallah shihadeh, Ahmed Atallah Alharateh, Abdallah Al-Hushan, P. Maragatha Meenakshi, N.Rajesh and M.Palanikumar	q-rung square root interval-valued neutrosophic sets with respect to aggregated operators using multiple attribute decision making	International Journal of Neutrosophic Science	Jan 2024	Vol.23, No.03, PP.154-174, 2024, UGC approved journal, ISSN: 2690-6805	https://www.scopus.com/sourceid/21101066571
6	Mathematics	Ariyared lampan, C. Sivakumar, P. Maragatha Meenakshi, N. Rajesh	Abelian groups based on Neutrosophic sets	International Journal of Neutrosophic Science	Apr-24	Vol.24, No.02, PP.176-186, 2024, UGC approved journal, ISSN: 2690-6805	https://www.scopus.com/sourceid/21101066571
7	Mathematics	R.Subasini, P.Maragatha Meenakshi	Intuitionistic Hesitant Fuzzy Deductive systems of Hilbert Algebras	ICIC Express Letters: Part B Applications	Nov-23	Volume 14, November, Pg No. 1133-1141, ISSN 2185-2766 UGC approved journal	https://www.scopus.com/sourceid/19700181115
8	Mathematics	R.Subasini, P.Maragatha Meenakshi	Intuitionistic Hesitant Fuzzy Subalgebras and Ideals of Hilbert Algebras	International Journal of Innovative Computing Information and Control	Dec-23	Volume 19, volume 6, Page No. 1919-1931, ISSN 1349-1498, December 2023, UGC approved journal	https://mjcl.caregate.com/search-results?issn=1349-1498&hide_exact_match_filter=true&utm_source=mjcl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
9	Mathematics	A.Priya, P.Maragatha Meenakshi, Ariyared lampan, N.Rajesh, Suganthi Mariyappan	Possibility neutrosophic bipolar fuzzy soft sets and their applications	International Journal of Neutrosophic Science	Nov-23	Volume 23, No.01, PP.176-192, 2024, UGC approved journal, ISSN: 2690-6805	https://www.scopus.com/sourceid/21101066571

10	Mathematics	A.Priya, P.Maragatha Meenakshi, Ariyared lampan, N.Rajesh	Some properties of neutrosophic nil radicals of neutrosophic ideals in rings	International Journal of Neutrosophic Science	Nov-23	Volume 23, No.01, PP. 97-111, 2024 UGC approved journal, ISSN: 2690-6805	https://www.scopus.com/sourceid/21101066571
11	Mathematics	A.Priya, P.Maragatha Meenakshi, Ariyared lampan, N.Rajesh	Neutrosophic nil radicals of neutrosophic ideals in rings	International Journal of Neutrosophic Science	Nov-23	Volume 22, No. 04, PP. 82-92, 2023 UGC approved journal, ISSN: 2690-6805	https://www.scopus.com/sourceid/21101066571
12	Mathematics	A.Priya, P. Maragatha Meenakshi, Ariyared lampan, N.Rajesh, Suganthi Mariyappan	Selection of neural networks using q- ring neutrosophic vague soft set TOPSIS aggregating operations setting multi-criteria group decision making	International Journal of Neutrosophic Science	Nov-2023	Volume 22, No. 04, PP. 63-81, 2023 UGC approved journal, ISSN: 2690-6805	https://www.scopus.com/sourceid/21101066571
13	Mathematics	A.Priya, P.Maragatha Meenakshi, Ariyared lampan, N.Rajesh	Polynomial ideals of a ring based on neutrosophic sets	International Journal of Neutrosophic Science	Nov-23	Volume 22, No. 04, PP. 08 - 19, 2023 UGC approved journa, ISSN: 2690-6805	https://www.scopus.com/sourceid/21101066571
14	Mathematics	S.Jafari, T. Menahadevi , P. Maragatha Meenakshi and N.Rajesh	On Intuitionistic R- Fuzzy α - continuous multifunctions	Analele Universitatii Oradea Fasc. Matematica	Jul-23	Tom XXX (2023), Issue No. 2, 25-33, ISSN: 1221-1265	https://search.worldcat.org/en/title/43936503
15	Mathematics	Thirunavukarasu P, S. Savitha	Approximate Fixed Point Theorem With Contractive Conditions	Journal Of Survey In Fisheries Science	2023	Vol. 10, No. 02, PP. 356-359, 2023, ISSN: 2368-7487	https://www.scopus.com/sourceid/21100905326
16	PG and Research Department of commerce	Dr.R.Ramachandran (annamalai university)	Go green model - A Study on HRM Practices in NLC India Limited Neivvely	The Indian journal of commerce	Oct-2023	2454-6801	https://drive.google.com/file/d/1F-BUvqX4ILAN7mJJaW3CZY9-BSS2ZJw1Wg/view?usp=sharing
17	PG and Research Department of commerce	Dr.S.Sudhagar	Factor influencing policybodies willingness to pay for health insurance schemes in madurai district	journal of Research administration society of research administrators international.	Oct-2023	ISSN number 1539-1590	https://drive.google.com/file/d/1cSAeIAQH7yNXYjDYkL3F3KHHR90QX/view?usp=drive_link
18	PG and Research Department of commerce	Dr.S.Umaprabha	An analysis and perception of under graguate students of bangalore city - university about stock market and its career opportunities -Bangalore	National Seminar on stimulating entrepreneurial mindset for next gen students - proceedings	Apr-2023	ISSN number 978935890	https://drive.google.com/file/d/1cz9dywnAMm6HxtWD4g_Fyo948Mgo3m/view?usp=sharing
19	PG and Research Department of commerce	Dr.S.Umaprabha	A Case study review of GST implementation in the textile industry with a special emphasis on karnataka.	International journal of multidisciplinary Research and technology	AUG-2023	2582-7459	https://drive.google.com/file/d/1cz9dywnAMm6HxtWD4g_Fyo948Mgo3m/view?usp=sharing
20	PG and Research Department of commerce	Dr.C.Paramasivan	Role Of Jot in Economic Growth With Respect To Banking And Financial Sector In India.	Emerging Trends Business & Management	Feb-23	978-93-94291-14-4	https://drive.google.com/file/d/1cz9dywnAMm6HxtWD4g_Fyo948Mgo3m/view?usp=sharing
21	PG and Research Department of commerce	Dr.C.Paramasivan	A Study On Business Innovation Practices With Respect To Financial Inclusion Through Pradhan Mantri Jan-Dhan Yojana In Tamil Nadu	Journal Of Research Administration	Jun-23	1539-1590	https://drive.google.com/file/d/1cz9dywnAMm6HxtWD4g_Fyo948Mgo3m/view?usp=sharing

22	PG and Research Department of commerce	Dr.C.Paramasivan	Perceptions On Banking Service In Rural India: An Empirical Study	Eur. Chem. Bull. 2023,12	Dec-23	1188-1201	https://drive.google.com/file/d/1cz9dywnAMm6BHztWD4g_Fyo948Mgo3m/view?usp=sharing
23	PG and Research Department of commerce	Dr.C.Paramasivan	Comparing Supervised And Unsupervised Learning Technologies For Customer Segmentation In Marketing	2024 Ninth International Conference On Science Technology Engineering And Mathematics (Iconstem)	Feb-24	979-8-3503-6509-2	https://drive.google.com/file/d/1cz9dywnAMm6BHztWD4g_Fyo948Mgo3m/view?usp=sharing
24	Computer Science	Dr. K. Fathima Bibi	A Machine Learning-Based Hybrid Approach to Subset Selection Using Binary Ant Colony Optimization Functions	SN Computer Science 2662-995X Scopus 08-11-2023	23-Nov	2662-995X	
25	Computer Science	Dr. K. Fathima Bibi	Data Mining- Based K-Nearest Neighbor Techniques for Multiclass Dataset Features-Selection and Classification	International Journal of Intelligent Systems and Applications in Engineering 2147-6799 Scopus 26-03-2024	24-Mar	2147-6799	
26	Computer Science	Dr. K. Fathima Bibi	Efficient Colon Cancer Identification Based on Genetics Sequence Linear Support Vector Feature Selection Using Adaptive Ensemble Boosting Fuzzified Deep Neural Network	SN Computer Science 2662-995X Scopus 29-05-2024	25-Mar	2662-995X	
27	Computer Science	Dr. K. Fathima Bibi	Early risk identification of cardiac disease prediction using Data Mining and Deep learning technique	International journal of Intelligent Systems and Applications in Engineering. 2147-6799 Scopus 29-04-2024	29-Apr	2147-6799	
28	Computer Science	Dr. K. Fathima Bibi	Enhanced Index Based DNA Sequence Compression Algorithm	International Journal of Intelligent Engineering and Systems. 2185-3118 Scopus 29-02-2024	29-Feb	2185-3118	
29	ZOOLOGY	Dr. S. Umamaheswari	Efficacy of different doses of phosphine against tribolium castaneum (herbst.) In stored rice	<i>J. Exp. Zool. India</i>	26(2):2571-2574(July 2023)	0972-0030	https://openurl.ebsco.com/EJPDH%3Agcd%3A7%3A23576711/detailv2?sid=ebsco%3Aplink%3Ascholar&id=ebsco%3Agcd%3A164887535&url=f
30	ZOOLOGY	Dr. S. Umamaheswari	Varietal preference and Development of red Flour beetle, Tribolium castaneum (Herbst.) in different long stored rice grains	<i>J.Entomological Research</i>	47(2):295-298(June 2023)	974-4576	https://www.researchgate.net/publication/371641092_Varietal_preference_and_development_of_red_flour_beetle_Tribolium_castaneum_Herbst_in_different_long_stored_rice_grains
31	ZOOLOGY	Dr.M.Ramesh	In vitro anticancer activity of <i>Breadinaria manillensis</i> methanolic extract and its validation using in silico molecular docking approach	<i>Medical Oncology</i>	(2024) 41:88		https://link.springer.com/article/10.1007/s12032-024-02321-9

41	English	Dr.D.Dhanalakshmi	Exploring Identity Crisis in Manju Kapur's A Married Woman	BOLEFIN DE LITERA	OCT 2023, PP. 584-5	2173-0695	NIL
42	English	Dr.D.Dhanalakshmi	Delineation of Women in Manju Kapur's Difficult Daughters	BOLEFIN DE LITERA	OCT 2023, PP. 578-5	2173-0696	NIL
43	English	Dr.A Noble Jebakumar	The Implementation of LMS is Essential for Enhancing ESL Learners' Communicative Competence	INSIGHT: An International Multilingual Journal for Arts and Humanities	Volume 3 - Issue: 6 - Aug	2582-8002	NIL
44	Computer Science	Dr. T. N. Ravi and R. Sangeetha	IoT Content Cache Efficacy in Health Care Data Diagnostics Using Isotonic Regressive Boost Classification	International Journal of Intelligent Engineering and Systems	30/06/2023	2185-3118	https://inass.org/wp-content/uploads/2023/03/2023063047-2.pdf
45	Computer Science	Dr.K. Fathima Bibi and R. Senthamil Selvi	A Machine Learning-Based Hybrid Approach to Subset Selection Using Binary Ant Colony Optimization Functions	SN Computer Science	08/11/2023	2662-995X	https://doi.org/10.1007/s42979-023-02251-9
46	Computer Science	Dr.S.Panneer Arunkumar and Ms.M.Anita Madona	Effectual Augmentation of Glaucoma Prediction in Retinal Fundus Images Using Hybrid Level Fusion of Image Pre-processing Techniques	Fusion: Practice And Applications (FPA)	11/11/2023	2692-4048	https://doi.org/10.54216/fpa.140105
47	Computer Science	Dr. T. N. Ravi and N. Girubagari	Methods of anomaly detection for the prevention and detection of cyber-attacks	International Journal of Intelligent Engineering Informatics	Dec, 2023	1758-8715	https://www.inderscienceonline.com/doi/abs/10.1504/IJEI.2023.136097?journalCode=ijei
48	Computer Science	Dr. T. N. Ravi and M. Ellakkiya	Resource Aware Orthogonal Projected Regressive MapReduce Lottery Load Balancing in Cloud Computing	Journal Of Scientific Research	01/01/2024	2070-0237	https://doi.org/10.3329/jsr.v16i1.64683
49	Computer Science	Dr. T. N. Ravi and N. Girubagari	Parallel ABILSTM and CHIGRI Ensemble Network Intrusion Detection System	International Journal of Intelligent Engineering & Systems	Jan. 2024	2185-3118	https://oaji.net/articles/2023/3603-1703732983.pdf
50	Computer Science	Dr.S.Panneer Arunkumar and Mrs.V.Kavitha	Energy and Bandwidth-Aware Parent Selection Mechanism to Mitigate Congestion in RPL-Based IoT Networks	International Journal of Intelligent Systems And Applications In Engineering	11/02/2024	2147-6799	https://ijisae.org/index.php/IJISAE/article/view/5023
51	Computer Science	Dr.K. Fathima Bibi and G. Arunachalapraba	Enhanced Index Based DNA Sequence Compression Algorithm	International Journal of Intelligent Engineering and Systems	29/02/2024	2185-3118	https://oaji.net/articles/2023/3603-1703733033.pdf
52	Computer Science	Dr. T. N. Ravi and M. Ellakkiya	Enhanced principal component gradient round-robin load balancing in cloud computing	The Scientific Temper	15/03/2024	2231-6396	https://scientifictemper.com/index.php/st/article/view/1086

53	Computer Science	Dr.K. Fathima Bibi and R. Senthamil Selvi	Data Mining- Based K-Nearest Neighbor Techniques for Multiclass Dataset Features Selection and Classification	International Journal of Intelligent Systems and Applications in Engineering	26/03/2024	2147-6799	https://jisae.org/index.php/IJISAE/article/view/5850/4600
54	Computer Science	Dr.K. Fathima Bibi and S. Tamil Fathima	Early risk identification of cardiac disease prediction using Data Mining and Deep learning technique	International Journal of Intelligent Systems and Applications in Engineering	29/04/2024	2147-6799	https://jisae.org/index.php/IJISAE/article/view/5854/4604
55	Computer Science	Dr.S.Panneer Arunkumar and Mrs.S.Ramya	Enhanced Autism Severity Prediction: Hybrid Gradient Boosted Tree And Deep Learning Models	International Journal Of Intelligent Systems and Applications in Engineering	05/05/2024	2147-6799	https://jisae.org/index.php/IJISAE/article/view/5341
56	Computer Science	Dr.K. Fathima Bibi and Benazir Butto S	Efficient Colon Cancer Identification Based on Genetics Sequence Linear Support Vector Feature Selection Using Adaptive Ensemble Boosting Fuzzified Deep Neural Network	SN Computer Science	29/05/2024	2662-995X	https://link.springer.com/article/10.1007/s42979-024-02925-y
57	Computer Science	T.Kannadasan, Dr. R.Pragalathan and Suresh Babu	Efficient Resource Allocation Using Optimized Data Stack Technique in Cloud	International journal of Intelligent Systems and Applications in Engineering	17/03/2024	2147-6799	https://jisae.org/index.php/IJISAE/article/view/5837
58	Computer Science	T.Kannadasan, Dr. R.Pragalathan and Suresh Babu	Integrated load balancing process in cloud environment using Bja Technique	International journal of Intelligent Systems and Applications in Engineering	18/03/2024	2147-6799	https://jisae.org/index.php/IJISAE/article/view/5834
59	Computer Science	T.Kannadasan, Dr. R.Pragalathan and Suresh Babu	Optimal Dynamic Load balancing for cloud task distribution using Bayesian Model	International journal of Intelligent Systems and Applications in Engineering	20/03/2024	2147-6799	https://jisae.org/index.php/IJISAE/article/view/5833
60	Chemistry	P. Pandian ,N. Elangovan, A. Kasthuri ,S. Sowrirajan, Natarajan Arumugam , Abdalrahma I. Almansour, Karthikeyan Perumal	Structural, electronic features, photoluminescence property, antimicrobial activity and spectral properties of 5-bromosalicylaldehyde derivative	Journal of Molecular str	6,8,23	1872 - 8014	
61	Chemistry	K.K.Havenil, A. Kasthuri, P. Pandian	Biosynthesis and Antimicrobial investigation of Strontium oxide (SrO) Nanoparticles by Lantana Camara Leaf Extract	Rasayan journal	April-June- 2023		
62	Chemistry	P.Pandian	Eco-friendly Synthesis of Strontium Oxide Nanoparticles using Solanum nigrum Leaf Extract: Characterization and Antibacterial Potential	Oriental journal of chem	5,10,23	0970 - 020X	

63	Chemistry	P. Pandian, A.Kasthuri, K.K.Ilavani and S. Abarna	Evaluation of the antimicrobial efficacy of copper oxide nanoparticles synthesized by green methods using Justicia. ahatisda	Materials today : Proce	25.5.24	2214 - 7853	
64	Chemistry	S. Arulmurugan, J.P,Vennila, H.P.Kavitha , B.R. Venkatraman, N. Elangovan, N.Aramugam, S.M. Mahalingam, P.Jayachandran	Synthesis, solvent role in TD-DFT (IEPP/M model), fluorescence and reactivity properties, topology and molecular docking studies on sulfathiazole derivative	Journal of Molecular Li	Mar-24	ISSN: 0167-7222 E-ISSN:1873-3166	
65	Chemistry	N. Elangovan, S. Sowrirajan, N.Aramugam, B. Rajeswari, S. Mathew, C. Geetha Priya, H. R. Venkatraman, S.M.Mahalingam	Theoretical investigation on Solvents Effect in Molecular Structure (TD-DFT, MEP, HOMOLUMO), Topological Analysis and Molecular Docking Studies of N-(5-(4-Ethylpiperazin-1-yl)methyl)pyridin-2-yl)-5-Fluoro-4,4-Fluoro-1-Isopropyl-2-Methyl-1H-Benzo[d]imidazol-6-yl)Pyrimidin-2-Amine	Polycyclic Aromatic Co	Sep-23	ISSN: 1040-6638 E-ISSN:1563-5333	
66	Chemistry	C. Geetha Priya, H.R. Venkatraman, S. Sowrirajan, N. Elangovan, N.Aramugam, A.L. Almansour, S.M. Mahalingam	Fluorescence property and solvent effect on m-bromosalicylaldehyde derivative; insights from synthesis, characterization, antimicrobial activity and computational studies	Chemical Physics Impa	Sep-23	2667-0224	
67	Chemistry	C.Geetha Priya, B.R. Venkatraman, N. Elangovan, M.Dhimesh Kumar, I. Arulmozhi, S. Sowrirajan, M. S.Islam, J.Bhagavathisingh	Absorption studies on serotonin neurotransmitter with the platinum metal cluster using the gas phase and different solvents, topological and non-covalent interaction: A DFT approach	Chemical Physics Impa	Aug-23	2667-0224	
68	Chemistry	D. Raja Durai, S. Sowrirajan, N. Elangovan, S. Y. Alomar, I. S. Ganesan, C. Geetha Priya, H.R. Venkatraman, A.Nawaz	Local energy decomposition (through methanol), biological activity prediction, solvents interaction (DFT) and molecular docking simulation studies of Schiff base: synthesis, characterization and fluorescence properties	Results in Chemistry	Jul-23	2211-7156	

69	Chemistry	C.Geetha Priya, B.R. Venkatraman, I.Arockiaraj, S.Sowrirajan, N. Elangovan, M. S.Islam, S.M. Mahalingam	Antimicrobial activity prediction, inter- and intramolecular charge transfer investigation, reactivity analysis and molecular docking studies of adenine derivatives	Journal of Biomolecular Structure & Dynamics	Nov-23	ISSN:0739-1102 E-ISSN:1538-0254	
70	chemistry	SS.Navah Ali, A.faridha, A.sheik Dawoodand shehabudeen	A study on zinc oxide nanoparticles: Evaluation of structural, magnetic and antibacterial and anticancer activities	International Journal of research in academic world	23-Dec	2583 - 1615	
71	chemistry	Marimuthu Sangavi, Narayanasamy Kumaraguru, Colin D. McMillen and Ray J. Butcher	Supramolecular interactions in some organic hydrated 2,4,6-triaminopyrimidinium carboxylate and sulfate salts	Acta Cryst.	July (2023), C79, 435-442	2053-2296	
72	chemistry	Marimuthu Sangavi, Narayanasamy Kumaraguru, Ray J. Butcher and Colin D. McMillen	bonding interactions in 5-fluorocytosine-urea (2/1), 5-fluorocytosine-5-fluorocytosinium 3,5-dinitrovalicylate-water (2/1/1) and 2-amino-4-chloro-6-methylpyrimidine-6-chloronicotinic acid (1/1)	Acta Cryst.	Jan (2024), C80, 30-36	2053-2296	
73	chemistry	A. Periyasami, N. Kumaraguru	Oxidation of 3-Methylindole by Potassium bromate in Acetic acid Medium - A Kinetic and Corrosion Investigation.	Eur. Chem. Bull.	Sep. 2023,12(12), 2613-2621.	2063-5340	
74	chemistry	N. Vidhyulatha and Kumaraguru	Methylene blue Removal from Aqueous Solution of carbonized Orthosiphon aristatus.	Eco. Env. & Cons.	Aug. 2023; 29, pp. (8427-8433)	0971-765X	
75	chemistry	Jayaprakash Meena, N. Kumaraguru, N. Sami veerappa, Paik-kyun Shin, Jiro Tatsugi, Annamalai Senthil Kumar & Kannappa Santhakumar.	Copper oxide nanoparticles fabricated by green chemistry using Tribulus terrestris seed natural extract-photocatalyst and green electrodes for energy storage device.	Scientific Reports	Dec. (2023) 13: 22499-	2045-2322	
76	Chemistry	N. Elangovan, S. Sowrirajan, N.Arumugam, H. Rajeswari, S. Mathew, C. Geetha Priya, H. R. Venkatraman, S.M.Mahalingam	Theoretical Investigation on Solvents Effect in Molecular Structure (TD-DFT, MEP, HOMOLUMO), Topological Analysis and Molecular Docking Studies of N-(5-(4-Ethylpiperazin-1-yl)methyl)pyridin-2-yl)-5-Fluoro-4-(4-Fluoro-1-isopropyl-2-Methyl-1H-Benzo[d]imidazol-6-yl)pyrimidin-2-Amine	Polycyclic Atomic Co	Sep-23	ISSN: 1040-6638 E-ISSN:1563-5333	

77	Chemistry	C. Geetha Priya, B.R. Venkatraman, S. Sowrirajan, N. Elangovan, N.Arumugam, A.I. Almansour, S.M. Mahalingam	Fluorescence property and solvent effect on m-bromosalicylaldehyde derivative; insights from synthesis, characterization, antimicrobial activity and computational studies	Chemical Physics Impa	Sep-23	2667-0224	
78	Chemistry	C.Geetha Priya, B.R. Venkatraman, N. Elangovan, M.Dhinesh Kumar, T. Arulmozhi, S. Sowrirajan, M. S.Islam, J.Bhagavathsingh	Absorption studies on serotonin neurotransmitter with the platinum metal cluster using the gas phase and different solvents, topological and non-covalent interaction: A DFT approach	Chemical Physics Impa	Aug-23	2667-0224	
79	Chemistry	D. Raja Durai, S. Sowrirajan, N. Elangovan, S. V. Alomar, T. S. Ganesan, C. Geetha Priya, B.R. Venkatraman, A.Nawar	Local energy decomposition (through methanol), biological activity prediction, solvents interaction (DFT) and molecular docking simulation studies of Schiff base: synthesis, characterization and fluorescence properties	Results in Chemistry	Jul-23	2211-7156	
80	Chemistry	C.Geetha Priya, B.R. Venkatraman, I.Aruckiaraj, S.Sowrirajan, N. Elangovan, M. S.Islam, S.M. Mahalingam	Antimicrobial activity prediction, inter- and intramolecular charge transfer investigation, reactivity analysis and molecular docking studies of adenosine derivatives	Journal of Biomolecular Structure & Dynamics	Nov-23	ISSN:0739-1102E- ISSN:1538-0254	
81	Physics	Velanganni S. Ayyar D, D.Deivatami, R.Thiruseelakandan, H.Catherin Meena, M.Muthavi, G.Padmapiya, M.Durka, Manikandan A, A.Ansarie, M.Hassem, H.Fouad		MARCH, 2024	2196-7156		
82	Physics	H Sravanisha, T Balakrishnan, P.Sakthivel, A Krishnaveni		JUNE, 2023	2667-0224		
83	Physics	P Revathi, Merin George, Bessy Mary Philip, Sutheertha S Nair, Bibin K Jose, Elsy Shereena, Reena Ittyachan, T. Balakrishnan, D Sajan		AUGUST, 2023	0232-1300		
84	Physics	P Revathi, Merin George, Bessy Mary Philip, Sutheertha S Nair, R. Anjana, Bibin K Jose, D Shincy Manoj, T Balakrishnan, D Sajan		APRIL, 2024	0957-4522		
85	Physics	P REVATHI, T BALAKRISHNAN		June, 2023	0971-3034		

86	Physics	R. Thangamathi, Natesan Kumaresan, M. Praveen Kumar, R.V. Mangalaraja, Francisco V. Herrera Diaz, Saeed Farhang Sahlevari, Tatianne Ferreira de Oliveira, Durga Prasad Pabha, P. Sivakumar		APRIL , 2024	0360-3199		
87	Physics	RV Kabilan, C Arunagiri, S Selvaraj, H Yamini, C Karnan		MARCH, 2024	0022-2860		
88	Physics	Velanganni S. Ayyar D, D.Deivatamali, R.Thiruneeelakandan, H.Catherin Meena, M.Mathavi, G.Padmajriya, M.Durka, Manikandan A, A.Ansarie, M.Hassem, H.Fouad		MARCH, 2024	2196-7156		https://www.degruyter.com/document/doi/10.1515/psch-2023-0387/html
89	Physics	H Sarajunisha, T Halakrishnan, P Sakthivel, A Krishnayeni		JUNE, 2023	2667-0224		https://www.sciencedirect.com/science/article/pii/S2667022422000974
90	Physics	P Revathi, Merin George, Bessy Mary Philip, Sutheertha S Nair, Bibin K Jose, Eley Shereena, Reena Ittyachan, T Halakrishnan, D Sajan		AUGUST, 2023	0232-1300		https://onlinelibrary.wiley.com/doi/abs/10.1002/crat.202300097
91	Physics	P Revathi, Merin George, Bessy Mary Philip, Sutheertha S Nair, R Anjana, Bibin K Jose, D Shiney Manoj, T Halakrishnan, D Sajan		APRIL, 2024	0957-4522		https://link.springer.com/article/10.1007/s10854-024-12586-5
92	Physics	P REVATHI, T HALAKRISHNAN		June, 2023	0971-3034		http://www.isteonline.in/Datafiles/cma/Special%20Issues/Special%20Issue%20June%202022%20web%20color.pdf?page=175
93	Physics	R. Thangamathi, Natesan Kumaresan, M. Praveen Kumar, R.V. Mangalaraja, Francisco V. Herrera Diaz, Saeed Farhang Sahlevari, Tatianne Ferreira de Oliveira, Durga Prasad Pabha, P. Sivakumar		APRIL , 2024	0360-3199		https://www.sciencedirect.com/science/article/pii/S0360319924010796
94	Physics	RV Kabilan, C Arunagiri, S Selvaraj, H Yamini, C Karnan		MARCH, 2024	0022-2860		https://www.sciencedirect.com/science/article/pii/S0022286023022123
95	History	Dr. s. Xavier	The Cauvery Commemoration : Historical Roots of a Modern Dispute	Journal of Namibian Studies	Vol- 33, 2023	2197-5523	

96	History	Dr. s. Xavier	A Historical Analysis of State Government Policies & Programs to promote the Handicrafts Sector in Central Tamilnadu (1950 - 2012)	Journal of Namibian Studies	Vol.14, 2023	1863-5954	
97	History	Dr. R. Rajeswari	Caste Conflict: An Impediment to Women's Empowerment	Journal of South Indian Studies	Vol.41, 2023	2229-3671	https://journal.southindianhistorycongress.org/show_article.php?tit_id=MTgZ
98	Tamil	K.M	Pattinappali Pehimai velliyai aliththu Annavein Kathai	Manarkeni	Mar-23		
99	Tamil	A.SELVARAJU	Puthu Marapai unvaakkiya palyirikkakan	Ungal footlaham	Nov-23	2394-7535-102	
100	BIOCHEMISTRY	DR.R. SENTHILKUMAR	A COMPARATIVE STUDY OF METFORMIN IN OR GLIMEPIRIDE ON NON-MIGRANT SOUTH INDIAN MIDDLE AGE TYPE 2 DIABETES-MELLITUS PATIENT	INTERNATIONAL JOURNAL OF ZOOLOGICAL INVESTIGATIONS	2024	NIL	NIL
101	BIOCHEMISTRY	DR.R. SENTHILKUMAR	METABOLIC OUTCOME OF GLIMEPIRIDE WITH METFORMIN COMBINATION THERAPY IN DIABETES ASSOCIATED CARDIOVASCULAR DISEASE	INTERNATIONAL JOURNAL OF ZOOLOGICAL INVESTIGATIONS	2024	NIL	NIL
102	Economics	Dr. A. Gopalakrishnan	Digital India: A vision to Empower Rural India	International Journal of Business and Administration Research Review (IBARR)	Jun-23	2348-0653	
103	Economics	Dr. A. Shanmugam	Digital India: A vision to Empower Rural India	International Journal of Business and Administration Research Review (IBARR)	Jun-23	2348-0653	
104	Economics	Dr. A. Mohamed Abdullah	A secondary Examination of the most recent developments and important issues pertaining to the Indian Balance of Payments.	Educational Administration: Theory and Practice	Apr-24	2669-2481	https://kuey.net/index.php/kuey/article/view/1282
105	Botany	Bhuvaneshwari, R., Sasikumar, K., Dhandapani, R. and Ramanathan . R.	An observation of antihyperlipidemic indian medicinal plant in Perambalur District, Tamil Nadu, India.	Journal of Medicinal Plants Studies	2024/12	ISSN (P) 2394-0530	https://www.plantsjournal.com/archives/?year=2024&vol=12&issue=1&part=C&ArticleId=1643

106	Botany	Wajid Hasan , Jahir Hussain,F. Gangadhara Daggali, Alagumaniyan.S., Niroj Kumar Jena, Saravanan. A., Sanjay Hazarika and Saravanamoorthy. M.D.	Plant Based Products as Control Agents of stored products Insect Pests: Prospects, Application and Challenges	International Journal of Plant and Soil Science	Dec-23	ISSN 2320-7035	Doi 10.9734/ijps/2023v35i224198
107	Botany	Jahirhussain.G Ahamed Sherif. N Karanya Raja Vielha, Ayyappan. P, Alagumaniyan .S, Saravanamoorthy. M.D., Saravanan.A	Green Synthesis Characterization and Antimicrobial Activity of Copper Oxide Nanoparticles	Scientific culture	Jan-24	ISSN 2407-9529	http://sci-cult.net/index.php/sc/pdf/2024/330.pdf
108	Botany	Chinnaraju.C., Madhu Ganesan. C., Prabakar. K., Lavanya. A.R.	Antibacterial activity of Silver Nanoparticles Synthesized from Endophytic Streptomycin sp. CR 13 isolated from the Roots of <i>Ocimum tenuiflorum</i> L.	Asian Journal of Chemistry	Apr-24	ISSN 0970-7077	https://doi.org/10.14233/ajchem.2024.31361
109	Botany	Kumaraj.V., Puspuraj.A., Balamurugan.S., Kandavel.D	In silico molecular docking approach and in vitro cytotoxic, antioxidant, antimicrobial and anti-inflammatory activity of Isora brachiata Roxb	ELSEVIER-Process Biochemistry	Jul-23	ISSN 1559-5113	https://doi.org/10.1016/j.procbio.2022.11.014

Achievements of Faculty Members ** For the year 2023-24 ** 2 of 3
Details of books and chapters in edited volumes / books per teacher during the year

Sl. No.	Name of the Teacher	Title of the Book published	Title of the Chapter published	Title of the proceeding: of the conference	Name of the conference	National / International	Year and month of publication	ISBN of the Book/Conference Proceeding	Affiliating Institute of the teacher at the time of publication	Name of the Publisher
1	Dr.K.Radha	44.The Direct Sum of Two Difference Mean Fuzzy Graphs.	The Direct Sum of Two Difference Mean Fuzzy Graphs.	Proceeding of the one-day International Conference on Recent Trends in Mathematics and its Applications-2024 (ICRTMA'24)	One day International Conference on Recent Trends in Mathematics and its Applications-2024 (ICRTMA'24)	International	February 2024	ISBN:978-81-970541-8-1	Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli -620 023	AIMAN College of Arts and Science For Women, Trichy-21.
2	Dr.K.Radha	45.Distance neighbourhood degree sequence of some fuzzy graphs.	Distance neighbourhood degree sequence of some fuzzy graphs.	Proceeding of the one-day International Conference on Recent Trends in Mathematics and its Applications-2024 (ICRTMA'24)	One day International Conference on Recent Trends in Mathematics and its Applications-2024 (ICRTMA'24)	International	February 2024	ISBN:978-81-970541-8-1	Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli -620 023	AIMAN College of Arts and Science For Women, Trichy-21.
3	Dr.K.Radha	64.Cardinality of Hajos Graphs and Hajos Fuzzy Graphs on Complete Graph, Complete bipartite Graph and Regular Graph	Cardinality of Hajos Graphs and Hajos Fuzzy Graphs on Complete Graph, Complete bipartite Graph and Regular Graph	Proceeding of the one-day International Conference on Recent Trends in Mathematics and its Applications-2024 (ICRTMA'24)	One day International Conference on Recent Trends in Mathematics and its Applications-2024 (ICRTMA'24)	International	February 2024	ISBN:978-81-970541-8-1	Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli -620 023	AIMAN College of Arts and Science For Women, Trichy-21.

4	Dr.M.Maragatham	46.An EPQ Model with varying Demand for uncertain quality products	An EPQ Model with varying Demand for uncertain quality products	Proceeding of the one day International Conference on Recent Trends in Mathematics and its Applications-2024 (ICRTMA'24)	One day International Conference on Recent Trends in Mathematics and its Applications-2024 (ICRTMA'24)	International	February 2024	ISBN-978-81-970541-8-1	Thanthai Periyar Government Arts and Science College. (Autonomous), Tiruchirappalli -620 023	AIMAN College of Arts and Science For Women,Trichy-21.
5	Dr. R.Ramachandran	Artificial intelligence in HR	-	-	-	International	2023	978-93-94958-64-7	TPGASC(A)	Archers & Elevators Publishing House, Bengaluru
6	Dr. R.Ramachandran	Tribal Women Entrepreneurship	-	-	-	International	2023	978-93-91563-85-1	TPGASC(A)	Pjajym Publications, Tiruchirappalli
7	Dr.C.Paramasivan	Digitalized Finclusion	-	-	-	International	2023	978-93-93-996-54-1	TPGASC(A)	Blue Duck Publications Srinagar,J&K
8	Dr.C.Paramasivan	Banking Innovation	-	-	-	International	2023	978-93-93-996-89-3	TPGASC(A)	Blue Duck Publications Srinagar,J&K
9	Dr.S.Bhuvaneshwari	Recent Trends and Research in Mathematical Sciences	Prediction of Player's Position Using Machine Learning Algorithm	Nil	Nil	Nil	Dec. 2023	ISBN: 978-93-90936-12-8	Chevalier t. Thomas Elizabeth College for Women, Chennai, Tamil Nadu.	Dr.R.Sivaraman & Dr. R. Kavitha
10	DR A NOBLE DEBAKUMAR	POSTHUMANISM AND DIGITAL HUMANITIES	CLASSROOM TO DIGITAL REALISM: EXPLORING THE ADVANTAGES OF BLENDED LEARNING IN ELT FOR ESL STUDENTS					Nov-23 9-79887E-12		ALL INDIA FORUM FOR ENGLISH STUDENTS SCHOLARS AND TRAINERS
11	P. Revathi, S. Selvakumar, R. Sagayam & T. Balakrishnan	APPLICATIONS OF ENVIRONMENTAL BIOTECHNOLOGY FOR GLOBAL SUSTAINABILITY	Development of Metal – Organic, Third Order Nio Material of Tetra Aqua Highcyine Magnesium (II) Hexa Aqua Magnesium (II) Bis (Sulfate) and their Thermo Kinetic and Biomedical Applications				July, 2023	978-625-8284-30-0	Thanthai Periyar Arts & Science College, Trichy-23	GLOBAL ACADEMY
12	Dr. V. Kalpana Devi	History of Japan Since 1945	Impact of American Occupation on the Education System			National / International		2024 978-81-19671-90-8		National Academic Press, Chennai
13	Dr. S. Xavier	History of Japan Since 1945	Postwar Developments in Print Media, Literature, Cinema & Art							
14	Dr. S. Xavier	History of Japan Since 1945	Multiculturalism			National / International		2024 978-81-19671-90-8		National Academic Press, Chennai
15	A.Selvaraju	Sirupanatrupadai Uraiverchadu	Nil	Nil	Nil	Nil		ISBN 978-81-972108-0-8	Thanthai Periyar Government Arts and Science College. (Autonomous), Tiruchirappalli -620 023	New Century Book House Pvt.Ltd
16	A.Selvarasu	Madurakkanni Uraiverchadu						ISBN 978-81-972639-8-9	Thanthai Periyar Government Arts and Science College. (Autonomous), Tiruchirappalli -620 023	New Century Book House Pvt.Ltd

17	A.Selvaraju	Parananooru Uraiverabada						ISBN 978-81-972639-3-4	Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli -620 023	New Century Book House Pvt.Ltd
18	A.Selvarasu	Ponnarastru pada						ISBN 978-81-972441-3-1	Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli -620 023	New Century Book House Pvt.Ltd
19	P.Ramesh	Kalaignarin Ithayam					Sep-23	ISBN 978-93-89182-34-7		KAAVIYA PUBLISHER
20	Dr. A. Shanmugam	Start-up Fintech Challenges and Opportunities: India's Economist Development in 21 st Century.(Conference Proceedings Edited)	A study on Challenges of Digital Payment System in India.	Start-up Fintech Challenges and Opportunities: India's Economist Development in 21 st Century.(Conference Proceedings Edited)	ICSSR Sponsored, SreeSaraswathiThyagaraja College, Pollachi, Coimbatore	National	Feb-24	9787-93-8163-729-2		Shanlas Publication
21	Dr. H. Pootani	New Trends in Agriculture and Agricultural Finance		Chapter 18, Pg. No. 109-126				978-93-95214-79-7		Maya's Publication
22	Dr. H.Balamurugan	Business Economics						978-93-5577-559-7		Charulatha Publications
23	Dr. H.Balamurugan	Managerial Economics						978-81-19337-53-8		Shanlas Publication
24	Dr. H.Balamurugan	Digitalization of The Indian Financial Sector						978-81-19337-00-2		Shanlas Publication
25	Dr. H.Balamurugan	Modern Marketing Management						978-81-19337-20-0		ShanlasPublication
26	Dr. B.Balamurugan	Introduction to Company Law						978-93-87865-80-8		Shanlas Publication
27	Dr. H.Balamurugan	OrganisationalBehaviour						978-93-8260-527-6		Charulatha Publications
28	Dr. H.Balamurugan	New Trends in Agriculture and Agricultural Finance						978-93-95214-79-7		Maya's Publication
29	Dr. D.A.V. Clement	New Trends in Agriculture and Agricultural Finance		Chapter 17, Pg. No. 96-108				978-93-95214-79-7		Maya's Publication
30	M.D.Saravananmoorthy	Phytochemical Genomics	Transgenic Medicinal Plants for Improved Plant Metabolites Production			International	2023	ISSN 2193-1801	Bharathidasan University	Springer publications
31	A.R.Lavanya	Micropropagation of Medicinal Plants	In vitro Propagation of <i>Cuscuta corniculata</i> L.			International	2024	978-981-5238-30-3	Bharathidasan University	Bentham Science Publishers, Singapore
32	G.Sajatha	Recent Trends in Agriculture and Allied Sciences	Effect of Silver Nitrate AgNO ₃ on regeneration of <i>Rauvolfia tetraglypha</i> L. using nodal explants			National	2024	978-81-977907-7-5	Bharathidasan University	JPS Scientific Publications

Achievement of Faculty Members: ** For the year 2023-24 ** 3 of 3

Details of grants received from Government and Non-governmental agencies for research projects, endowments, Chairs in the institution during the year (INR in lakhs)/ Details of teachers having research projects during the year / Detail of Departments having research projects funded by Government and/or Non-government agencies during the year

Name of the Principal Investigator/ Co-Investigator (if applicable)	Department of the Principal Investigator/ Co-Investigator	Name of the Funding Agency	Type (Government/Non-Government)	Funds provided (INR in lakhs)	Month and Year of receiving the grant	Duration of the Project
Dr. H. Ramachandran	Commerce	ICSSR	Government	15	Oct-23	2023-26
Dr.S.Xavier	History	TANSCHE	Government	0.5	Jan-24	2023-24



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डिजाइन सं. / Design No. 404498-001

तारीख / Date 14/01/2024

पारस्परिकता तारीख / Reciprocity Date*

देश / Country

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डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अन्वयेन प्रावधानों के अनुसरण में।
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जारी करने की तिथि: 29/02/2024
Date of Issue



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उत्पात की संज्ञा

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