

Achievements of Faculty Members								
Academic Year	Number of Research papers published in Journals	Number of Patents Granted	Number of papers published in National Conferences	Number of papers published in international conferences	Number of Books Authored	Number of Book chapters authored	Number of New externally funded research projects received	Fund received during this academic year
2024 - 2025	54	-	5	-	1	1	1	16,08,200

(1) Externally funded Research Projects (Government and non-government sources such as industry, corporate houses, international bodies)

S.No	Name of the PI (CI, if applicable)	Name of the Funding Agency	Title of the Research Project	Type (Government/Non- Government)	Duration of the project	Funds Received in Rs.	Date of Award
PHYSICS							
1	Dr.R.Radha	DST (CRG)	DST Core Research Grant (CRG)	GOVERNMENT	2024-2027	16,08,200	
2	Dr.T.Thilagavathi	DST (CRG)	DST Core Research Grant (CRG)	GOVERNMENT	2024-2027	16,08,200	

(2) Papers Published in the Journals listed in SCOPUS/WoS/UGC Care

[illegible]

Computer Science													
1	Dr.F.Kurus Malai Selvi ,Dr.E.Suganthi,	Cloud Computing by Implementing State and Random-Based Virtual Machine Load Balancing Model	International Journal of Intelligent Engineering and Systems	International	ISSN:2185-3118	3.2	40	1	Vol.17, No.3, 2024 DOI: 10.22266/ijies2024.0630.08 P.No:92-101	June 2024	https://inass.org/wp-content/uploads/2023/12/2024063008-2.pdf		
2	Dr.F.Kurus Malai Selvi ,Dr.E.Suganthi,	Weight factor and priority-based virtual machine load balancing model for cloud computing	International Journal of Information Technology	International	ISSN:2511-2104 E-ISSN:2511-2112	0.717	46	8	Volume 16,Issue 8,P.No 5271-5276	August 2024	https://link.springer.com/article/10.1007/s41870-024-		
3	Dr.F.Kurus Malai Selvi ,Dr.E.Suganthi,	Two-Stage Optimal Virtual Load Balancing Algorithm for Cloud Computing	SSRG International Journal of Electronics and Communication	International	EISSN:2348-8549	0.71	8	NIL	Volume 12 Issue 3,179-189,	Mar-25	https://www.internationaljournalssrg.org/IJECE/2025/Volume12-		
4	Dr.F.Kurus Malai Selvi ,Dr.E.Suganthi,	Virtual Machine Load Balancing Model Framework for Cloud Computing	Engineering, Technology & Applied Science Research	International	EISSN:1792-8036 ISSN: 2241-4487	1.5	36	2	Vol.15,No. 3,Pages 22553-22558,	Mar-25	https://etasr.com/index.php/ETASR/article/download/10556/4907		
Economics													
5 & 6	E.Iswarya & Dr. P. Veerachamy E.Iswarya & Dr. P. Veerachamy	Impact of Covid-19 Pandemic on Socio - Economic on conditions of Agricultural Labourers of Cuddalore District of Tamilnadu after COVID-19 Pandemic	International Journal of Journal of Humanities Education		1135-8599 2327-2457				54:04:00 13:01	2025 2025	https://doi.org/10.48 https://cm.os.cgrn.org/index.php/ijhe/24/	https://doi.org/10.48 https://cm.os.cgrn.org/index.php/ijhe/24/	
7	A. Kamalakannan 1, Dr.A. Jayakodi	A Study on Rice Mill Workers Living Condition in Tamil Nadu	International Journal of Environmental Sciences		2229-7359				Vol. 11 No. 11s,	2025	https://th easpd.com/index.php	https://th easpd.com/index.php	Elsevier Scopus

8	A. Kamalakannan 1, Dr.A. Jayakodi	A Study on Rice Mill Workers in Madurai: Problems and Prospects	South Eastern European Journal of Public Health SEEJPH		2197-5248				Volume XXVII, 1591-1596	2025	https://doi.org/10.70135/seejph.vi.6702	https://doi.org/10.70135/seejph.vi.6702	Scopus
ENGLISH													
9	M.Muthulakshmi	Gender Roles and Misogyny in Margaret Atwood's The Handmaid's Tale	Amnayiki	-	2277-4270	-	-	-	Vol 27 part II	Jan -June 2025	-	-	-
10	M.Muthulakshmi	Childhood Trauma and the Identify Quest in Margaret Atwood's	Research Journal of English	-	2456-2696	-	-	-	Vol 10 Issue 3 P 27-31	July, Aug & Sep 2025	-	-	-
11	T.S.Maheswari De Lakshmi	Protest against Male Faithlessness: Nayantara Sahgal's Rich Like US	Aadhunik	-	ISSN 2277-4270	-	-	-	Vol 27 Part -II	Jan -June 2025	-	-	UGC Care
12	S.Maheswari De Lakshmi	Contextualizing Women and their Mutilated Voice in Nayantaras Dahgale's The Dayin Shadow	Journal of Indian Languages and Indian Literature in English	-	-	-	-	-	Vol III Issue III	July - Sep 2025	-	-	Peer Review
TAMIL													
13	V.Manju	Velir-Vendar- manbug	Arimaa Nokku	National	ISSN 2320-4842				19	April, 2025	https://share.google/vuXovhuTjJZcz9mNZ	https://share.google/vuXovhuTjJZcz9mNZ	CARE
14	V.Manju	Philanthropist Who And Why	Tamilmanam International Research Journal of Tamil Studies	International	ISSN 3049-0723				4	Dec-25	https://share.google/STisSQOnhNt6w9HIW	https://tamilmanam.in/	PEER

CHEMISTRY													
15	M. Kiruthiga	Preparation of N& S heteroatoms doped activated carbon from stalks of Gossypium Hirsutum L.Flower for high performance symmetric supercapacitor application.	Applied Physics A.		1432-2.9 0630		8	130,issue 10,pages 764	October 2024.		- https://link.springer.com/journal/339	Springer Berlin Heidelberg	
16	M. Kiruthiga	Removal of reactive red dye from aqueous solution onto activated carbon prepared from stalks of Gossypium Hirsutum L.	Ecology, Environment & Conservation	International	0971765X	1		30, pages 521- 528.	45566	10.53550/ EEC.2024. v30i06s.07 2		Web of Science	
17	M. Kiruthiga	Adsorption of Nickel(II) ions from aqueous solution using potassium carbonate activated tectona grandis leaves carbon.	Ecology, Environment & Conservation	International	0971765X	1		30,Pages 515-520.	45566	http://doi.org/10.53550/EEC.2024.v30i06s.073		Web of Science	
18	M.Kiruthiga	Preparation of Tectona Grandis Leaves Derived Activated carbon for high performance supercapacitor application.	Asian Journal of Chemistry	International	0975-427X	3.3		Vol - 36,Issue 11,Pages 2659-2665.	45566	https://doi.org/10.14233/ajchem.2024.32686		Scopus	
19	M.Kiruthiga	Sustainable porous activated carbon from the bark of wood apple tree as electrode materials for supercapacitor application.	Asian Journal of Chemistry	International		3.3		Vol- 37,Issue - 1,Pages 93- 99.	January 2025.	https://doi.org/10.14233/ajchem.2025.32843		Scopus	
20	M.Kiruthiga	Determination and comparison of peroxide value of cold press sunflower oil and refined sunflower oil.	International journal of current research in chemistry and pharmaceutical sciences.	International	2348-5221			Vol- 11,Issue -4 Pages 1-6	Jun-24	http://dx.doi.org/10.2192/ijrcps.2024.11.04.001			

21	M.Kiruthiga	Determination and comparison of peroxide value of cold press Peanut oil and refined sunflower oil.	International journal of current research in chemistry and pharmaceutical sciences.	International	2348-5221				Vol-11,Issue -4 Pages 15-20	Jun-24	http://dx.doi.org/10.2192/ijcrps.2024.11.04.003		
22	M.Kiruthiga	Kinetics of adsorption of Methylene blue dye onto commercial activated carbon	International journal of current research in chemistry and pharmaceutical sciences.	International	2348-5221				Vol-11,Issue -4 Pages 21-29	Jun-24	http://dx.doi.org/10.2192/ijcrps.2024.11.04.004		
ZOOLOGY													
23	DR. V. Kavitha	Bioaccumulation of Aluminium Chloride in Different Organs of Freshwater Fish <i>Labeo rohita</i> (Ham.).	Uttar Pradesh Journal of Zoology	International	0256-971X (P).				Volume 45, Issue 16,	2024			SCOPUS/UGC CARE
24	DR. V. Kavitha	Optimizing Vermicomposting of Coffee and Tea Wastes Using the Indian Earthworm <i>Lampito mauritii</i> : A Sustainable Waste Management Approach	Uttar Pradesh Journal of Zoology,	International	0256-971X (P).				Volume 45, Issue 22				SCOPUS/UGC CARE
25	DR. V. Kavitha	Seasonal and Spatial Variations of Heavy Metals in the Kollidam River: Implications for Water Quality and Aquatic Health.	Uttar Pradesh Journal of Zoology	International	0256-971X (P).				Vol. 45, (23),	2024			SCOPUS/UGC CARE

26	DR. V. Kavitha	Bioaccumulation of heavy metals in selected tissues of fish <i>Labeo calbasu</i> summer seasons Kollidam River Kumbakonam Taluk Thanjavur district Tamil Nadu India	International Journal of Entomology Research	International	21. 2455-4758.					, Volume 10, Issue 3	2025		SCOPUS/UGC CARE
27	Dr.S.S.Padma priya	Effects of Dietary Indian <i>Sphagnum junghuhnianum</i> Peat Moss Pectin on Growth, Digestive Enzymes, Antioxidant Capacity, Immune Responses, and Disease Resistance in <i>Catla catla</i> Fingerlings	Aquaculture Research	International	1365-2109	2.5	112	-	9234968	Jul-25	https://onlinelibrary.wiley.com/doi/full/10.1155/are/9234968		SCOPUS
GEOGRAPHY													
28	Dr.S.GEETHA	Landfill leachate analysis from selected landfill sites and its impact on			ISSN: 1573-2975 Print ISSN: 1387-585X	4.2	96		Vol 27, pages 12537-12562	#####	DOI:10.1007/s10668-023-04403-6		Springer: Environment, D
	Dr.S.GEETHA												
PHYSICS													
29	S Sabari, R Sasireka, R Radha, A Uthayakumar, L Tomio	8. Vortices in tunable dipolar Bose-Einstein condensates with attractive interactions	Physical Review A	International	2469-9926	3			volume 195 & PAGE:116287	2025/5	https://journals.aps.org/prap/abstract/10.1103/PhysRevA.111.053320		All
30	CS Kumar, R Radha	9.Exotic coherent structures and their collisional dynamics in a (3+ 1) dimensional Bogoyavlensky–Konopelchenko equation	Wave Motion	International	0165-2125	2.2			volume 111 & PAGE:053320	45717	https://www.science-direct.com/science/article/abs/pii/S0165212524001860		All

31	PS Vinayagam, R Radha	10. Robust dynamics of rogue waves, breathers and mixed bound state solutions in spin-orbit and Rabi coupled condensates	Physics Letters A	International	0375-9601	2.7			volume 133 & page:103456	45685	https://www.science-direct.com/science/article/abs/pii/S0375960124008636	All
32	PS Vinayagam, Krishnan, D. aravindha, R Kamaleshwaran, R Radha	11. COLLISIONAL DYNAMICS OF SOLITONS AND PATTERN FORMATION IN EQUATION WITH CONSTANT BACKGROUND	ROMANIAN REPORTS IN PHYSICS	International	1221-1451	2.7			volume 531 & page:130169	45658	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=F3d22SYAAAAAJ&sortby=pubdate&citation_for_view=F3d22SYAAAAJ:C33y2ycGS3YC	All
33	PS Vinayagam, DA Krishnan, RV Kamaleshwaran, R Radha	12. Collisional Dynamics of Solitons and Pattern Formation in an Integrable Cross Coupled Nonlinear Schrodinger equation with constant background	arXiv preprint arXiv:2409.19233	International	NIL	NIL			volume 77	45563	https://arxiv.org/abs/2409.19233	All

34	S Kiruthika, K Ramesh, G Viruthagiri, A Dinesh, T Thilagavathi, L Gunganathan, Madhappan Santhamoorthy, S Suthakaran, K Radhakrishnan, Manikandan Ayyar, Saravanan Rajendran	Structural optical and electrochemical properties of Cu ²⁺ ions substituted α -MnO ₂ nanoparticles synthesized by co-precipitation method	Inorganic Chemistry Communications	International	1387-7003	5.9			Volume 48 & page:e70045	45748	https://www.science-direct.com/science/article/abs/pii/S1387700325001893		All
35	S Synthiya, T Thilagavathi, R Uthrakumar, MW Alam, K Kaviyarasu	Synthesis and Characterization of Pure TiO ₂ and TiO ₂ -Doped Bi ₂ O ₃ Nanocomposites for Electrochemical Applications	Luminescence	International	1522-7235	2.8			Volume 40 & page:E70161	2025/4	https://analyticalsciencejournals.onlinelibrary.wiley.com/doi/full/10.1002/bio.70161		All
36	S Synthiya, T Thilagavathi, R Uthrakumar, R Renuka, C Inmozhi,	Electrochemical Applications Reveal Enhanced Photocatalytic Performance of TiO ₂ -Doped ZnS Nanocomposites	Microscopy Research and Technique	International	1059-910X	2.1			Volume 88 & page:532-541	2025/2	https://analyticalsciencejournals.onlinelibrary.wiley.com/doi/full/10.1002/jemt.24722		All
37	S Synthiya, T Thilagavathi, R Uthrakumar, R Renuka, K Kaviyarasu	Studies of pure TiO ₂ and CdSe doped TiO ₂ nanocomposites from structural, optical, electrochemical, and photocatalytic perspectives	Journal of Materials Science: Materials in Electronics	International	0957-4522	3.2			Volume 35 & page:1943	2024/10	https://link.springer.com/article/10.1007/s10854-024-13729-4		All

38	R Renuka, T Thilagavathi, C Inmozhi, R Utharakumar, G Gobi, .	Silver sulphide nanoparticles (Ag ₂ SNPs) synthesized using Phyllanthus emblica fruit extract for enhanced antibacterial and antioxidant properties	Microscopy Research and Technique	International	1059-910X	2.1			Volume 87 & page:2312- 2320	2024/10	https://ana lyticalscie ncejournal s.onlinelib rary.wiley. com/doi/a bs/10.100 2/jemt.24 612		All
39	R Renuka, T Thilagavathi, C Inmozhi, R Utharakumar, ME Rajasaravanan, . K Kaviyarasu, NA Al-Taisan, Mohammed	Phytochemical Investigation and Characterization of Azadirachta Indica-Mediated Silver Nanoparticles and Their Potential as Antibacterial and Antidiabetic Agents	Nano	International	1793-2920	1.3			Volume 19 & page:2450 061	45552	https://ww w.worldsc ientific.co m/doi/abs/ 10.1142/S 17932920 24500619		All
40	R Renuka, T Thilagavathi, A Dhanalakshmi, R Utharakumar, K Kaviyarasu, Manesh Ashok Yewale, Mohammed Alsawat, Hassan S Al Qahtani, Mir Waqas Alam...	Biological synthesis of silver nanoparticles using Senna auriculata flower extract for antibacterial activities	Luminescenc e	International	1522-7235	2.8			Volume 39 & page:E489 4	2024/9	https://ana lyticalscie ncejournal s.onlinelib rary.wiley. com/doi/a bs/10.100 2/bio.489 4		All
41	M Niranjana, S Akilandeswari, G Rajesh, D Govindarajan	2.Exploration of photoluminescence properties and photocatalytic efficiencies of organic contaminants using Ni-doped PbMoO ₄ nanoparticles	Emergent Materials	International	2522-5731	4			Volume 8, Issue 1, 407 - 426	2025/1	https://link .springer.c om/article/ 10.1007/s 42247- 024- 00917-5		All
42	M Niranjana, S Akilandeswari, G Rajesh, D Govindarajan	3.Synthesis of Mg- doped PbMoO ₄ spinel for photocatalytic degradation of dye solutions (BB and BG dyes)	Journal of Materials Science: Materials in Electronics	International	0957-4522	3.2			Volume 35, Issue 33	2024/11	https://link .springer.c om/article/ 10.1007/s 10854- 024- 13840-6		All

43	CB Malar, S Akilandeswari	4.Efficient wastewater discharge location speculation system based on ensemble classification	International Journal of Advanced Intelligence Paradigms	International	1755-0386	NIL			Volume 28, Issue 3-4	2024	https://www.inderscienceonline.com/doi/abs/10.1504/IJAIP.2024.140091		All
44	GR S. Akilandeswari, M. Niranjana	5.Fabrication of bare and Cobalt doped PbMoO ₄ Nanoparticles: Enhanced photocatalytic activity under visible light irradiation	AEGAEUM JOURNAL	International	0776-3808	NIL			Volume 12, Issue 07	2024	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=viUIS2UAAAJ&sortby=pubdate&citation_for_view=viUIS2UAAAJ:g51zvAfSwC		All
45	GR S. Akilandeswari, M. Niranjana	6.Ce doped PbMoO ₄ nanoparticles: An efficient visible light triggered photocatalyst with enhanced structural, optical and photocatalytic properties	Strad Research	International	0039-2049	NIL			Volume 11, Issue 8	2024	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=viUIS2UAAAJ&sortby=pubdate&citation_for_view=viUIS2UAAAJ:NaGl4SEjCO4C		All

46	Gokila Govindharajan, Ramachandra Raja Chidambaram, GnanasheelaUtha maselvan, Kalaiaarasilyathur ai, Kamatchi Karthikeyan, Sampath Natarajan	Synthesis and structure of ammonium bis (malonato) borate	Structure Reports	International	2056-9890	0.5			Volume 81 Part 9 Pages 849- 852	45901	https://journals.iucr.org/e/issues/2025/09/00/hb8150/index.html		All
47	Gokila Govindharajan, Ramachandra Raja Chidambaram, GnanasheelaUtha maselvan, Kalaiaarasilyathur ai, Kamatchi Karthikeyan, Sampath Natarajan	Synthesis and structure of ammonium bis (malonato) borate	Structure Reports	International	2056-9890	0.5			Volume 81 part 9 Pages 849 - 852	45901	https://journals.iucr.org/e/issues/2025/09/00/hb8150/index.html		All
48	R Selvi, G Gokila, G Vinitha, RS Sundararajan	1.Synthesis, spectroscopical and DFT studies on third order NLO crystal: Sodium bis (malonato) borate monohydrate (SBMBM)	Journal of Molecular Structure	International	0022-2860	4.9			Volume 535	45717	https://www.science-direct.com/science/article/abs/pii/S0022286024033933		All
49	Ramalingam Selvi, GovindharajanGo kila, AravazhiAmalan Thiruvalluvar, Raju Sarangapani Sundararajan	2. Synthesis, crystal structure and Hirshfeld surface analysis of sodium bis (malonato) borate monohydrate	Structure Reports	International	2056-9890	0.5			E80, 180- 183	2024	https://journals.iucr.org/e/issues/2025/09/00/hb8150/index.html		All

50	S Kiruthika, K Ramesh, G Viruthagiri, A Dinesh, T Thilagavathi, L Gunganathan, Madhappan Santhamoorthy, S Suthakaran, K Radhakrishnan, Manikandan Ayyar, Saravanan Rajendran	2. Structural optical and electrochemical properties of Cu ²⁺ ions substituted α -MnO ₂ nanoparticles synthesized by co-precipitation method	Inorganic Chemistry Communications	International	1387-7003	5.9			174	45748	https://www.science-direct.com/science/article/abs/pii/S1387700325001893	All
52	Gokila Govindharajan, Ramachandra Raja Chidambaram, Gnanasheel aUthamaselvan, Kalaiaarasilyathurai, Kamatchi Karthikeyan, Sampath Natarajan	3. Synthesis and structure of ammonium bis (malonate) borate	Structure Reports	International	2056-9890	0.5			Volume 81, Part 9, Pages 849 - 852	45901	https://journals.iucr.org/e/issues/2025/09/00/hb8150/index.html	All
52	R Selvi, G Gokila, G Vinitha, RS Sundararajan	4. Synthesis, spectroscopical and DFT studies on third order NLO crystal: Sodium bis (malonate) borate monohydrate (SBMBM)	Journal of Molecular Structure	International	0022-2860	4.9			Volume 535	45717	https://www.science-direct.com/science/article/abs/pii/S0022286024033933	All
53	C Kanimozhi, G Gokila, MSA Raj, M Ayyanar, R Manimekalai	5. Preparation and Characterization of Pomadasys maculatus Otolith Stone and Termite Mound Soil-Mediated Nanopowder and Evaluation of Its Biomedical ...	Bio NanoScience	International	2191-1630	4			Volume 15, Issues 1	2025/3	https://link.springer.com/article/10.1007/s12668-024-01709-1	All

54	Ramalingam Selvi, GovindharajanGokila, AravazhiAmalan Thiruvalluvar, Raju Sarangapani Sundararajan	6. Synthesis, crystal structure and Hirshfeld surface analysis of sodium bis (malonato) borate monohydrate	Structure Reports	International	2056-9890	0.5			E80, 180-183	38549	https://journals.iucr.org/paper?hb8086&checkcif=yes	All
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(3) Papers Presented in Conferences

S.No	Name of the Faculty	Title of the Paper	Name of the	Title of the Proceedings of the	Name of the Conference	National / International	Vol., Issue &	Month & Year	ISSN/ ISBN No.
Computer Science									
1	M.Niranjana, Dr.F.Kurus Malai	"A survey of Rice Grain classification	E.G.S pillay Engineering	International Conference on	Research and Development	International	Vol 4,pages	Apr-25	ISBN:978-989-758-
TAMIL									
2	Dr.P.Senthilkumar ari	Sangakala varalatrill pennium	Ayuda Ezhuthu	Nangam tamizh Sangam-Madurai	Muthamizh manadu	International	1,99	Feb-25	2278-7550
HISTORY									
3	Dr M.Kala	Cholargalin Kovil Nirvagamurai - oor aavu		Tamilaga Koil Kalvettugal Kattum Tamil Samuoogam			Page no. 367 - 372	Nov-24	No.978 – 93 - 92701
4	Dr M.Kala	Sanga Ilakkiyathil Magalirkkaana Vilayattykalai	Swami Dayananda College of Arts & Science, Manjakkudi.	Tamil ilakkiyangalil Kalai Panpattu Sinthanaigla		International	Page No. 28 - 39	Jan-25	No. 978 – 81 – 972477 – 4 - 3
5	Dr M.Kala	Varalatrill Valvil oli		Tholkudi Vettuvar Vaalvyum Varalarum		International	Page No. 381 - 387	Jan-25	No.978 – 81 – 983429 – 3 - 5

(4) Books Published					
S.No	Author	Title of the Book	Month and Year of	ISBN No.	Name & Place of the
HISTORY					
1	Dr M.Kala	Historiography, A critical Study of Methods, Interpretation and Trends	May-25	978 – 93 – 49738 – 01 - 0	Lexarcheus Publications,S hobinan, J& K, India

(5) Books Edited

S.No	Author	Title of the Book	Month and Year of	ISBN No.	Name & Place of the
NIL					

(6) Chapters Contributed in Books

S. No.	Author	Title of the Chapter	Title of the Book	Month and Year of Publication	ISBN No.	Name & Place of the
ENGLISH						
1	Dr.B.Suganya	From Postmodern point of view how does Chatan	The Postmodern Lens:A	2024 978 933415934-9	-	-

Applied					
Name of the Faculty	Details of the IPR Applied for	Nature (IN/Indian) Mention country	Date of Applying	Application Number	
NIL					
Granted					
Name of the Faculty	Details of the IPR Granted	Nature (IN/Indian) Mention country	Date of Grant	IPR Number	
NIL					


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