

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
2022 - 2023	41	-	9	-	1	4	1	4,095,360

(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-CURIE	Consolidation of University Research for Innovation and Excellence in Women Universities	GOVERNMENT	2022-2025	4,095,360	
COMPUTER SCIENCE							
1	Dr. F.Kurus Malai Selvi	DST-CURIE	Consolidation of University Research for Innovation and Excellence in Women Universities	GOVERNMENT	2022-2025	4,095,360	

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

S.No	Author	Title of the Paper	Name of the Journal	National / International	ISSN/ ISBN No.	Impact Factor	h-index	Citation Index & No. of Citations (Excluding Self) Citation	Vol (Page)	Month & Year
Computer Science										
1	Dr.F.Kurus Malai Selvi ,Dr.E.Suganthi,	An Enhanced Ant Colony Optimization Based Task Scheduling Algorithm For Cloud Computing	NeuroQuantology	International	1303-5150	0.453	17	NIL	Volume 20 Issue 6 Page 8627-8634	Jun-22
2	Dr.F.Kurus Malai Selvi ,Dr.E.Suganthi,	Host Detection Approach using Optimization and Boosting Classifier in Cloud Computing	Indian Journal of Natural Sciences	International	ISSN:0976-0997	3.078	-	nil	Vol.14/Issue 81/ P.No 64498-64510	Dec-23

3	Maneesh P,	Achieving Organic Agriculture through Women Self Help Groups	Bulletin of Environment, Pharmacology and Life Sciences		2277-1808				Vol 11 [9]	August 2022:
ENGLISH										
4	P.Nithya	Feminist & Ethnicity in Toni Morrison's The	Aadhunik Sahitya Journal	-	2277-7083	-	-	-	47	July -Sep 2023
5	P.Nithya	Psychological Trauma in Toni Morrison's Sule	Aadhunik Sahitya Journa	-	2277-7083	-	-	-	47	July -Sep 2023
CHEMISTRY										
6	C.Jayanthi	Identification Of Polyphenols From The Flowers Of Prosopis Juliflora	International Journal Of All Education And Scientific Methods	International	2455-6211					Volume 10, Issue 6, June-2022
History										
7	Dr M.Kala	An Exploratory Study of Trade and Commerce of Ancient Tamil Country Overing the Sangam age with	South Indian History Congress 41 st Session	International		No.2229 - 3671		Page no 1- 8		Aug-22
8	Dr M.Kala	A Historical Study of Slavery and Slave Trade in Tamilnadu	History Research Journal			No. 0976 - 5425		Vol – 29 Page No.83 - 87		Jan – Feb/2023
ZOOLOGY										
9	DR. V. Kavitha	Toxicity of thiacloprid (Insecticide) on biomass, gut microbial population and digestive enzymes activity of an Indian Earthworm, <i>Lampito mauritii</i> (Kinberg) (Annelida: Oligocheta).	International Journal of Entomology Research	International	2455-4758				7(6),	2021

10	DR. V. Kavitha	Acute Toxicity and Histopathological Effect of Lambda Cyhalothrin and Pretilachlor on Intestine of Indian Earthworm <i>Lampito mauritii</i> (Kinberg).	Indian Journal of Natural Sciences	International	39727-39736				13(71)	2022
11	DR. V. Kavitha	Toxic effect of lambda cyhalothrin and pretilachlor on biomass and histology of testis of <i>Lampito mauritii</i> (Kinberg).	Uttar Pradesh Journal of Zoology	International	0976-0997				43(17)	2022
12	DR. V. Kavitha	Vermicomposting of Poliyalthia longifolia and Samanea saman Leaf Litters by using Indian Earthworm <i>L.mauritii</i> (Kinberg).	Indian Journal of Natural Sciences.	International	0976 – 0997.					2023
13	DR. V. Kavitha	A Heavy Metal Contamination in Cauvery River Water – A Case Study of Kumbakonam, Thanjavur District, Tamil Nadu.	Journal of Emerging Technologies and Innovative Research.	International	2349-5162					2023
14	Dr.S.S.Padma priya	Hematological studies of the freshwater Zooplankton <i>Macrocyclus edax</i>	Journal of Emerging Technologies and Innovative Research (JETIR)	International	2349-5162	7.9	-	-	77-82	Jul-22

GEOGRAPHY										
15	S.GEETHA	A sustainable approach to evaluate	EGU General Assembly 2023,	International	• ISSN: Not applicable for the	NA	NA		EGU23-1358	24–28 Apr 2023
PHYSICS										
16	K Rajaswathi, S Bhuvaneswari, R Radha, P Muruganandam	<u>13.Dispersion engineering in spin-orbit-coupled spinor F=1 condensates driven by negative masses</u>	Physical Review A	International	2469-9926	3			108, 03331	2023/9
17	R Radha, CS Kumar	<u>14. Comment on Painleve Integrability and Multi-wave pattern for (2+ 1) dimensional Long wave-Short wave Resonance Interaction system'</u>	arXiv preprint arXiv:2308.07043	International	NIL	NIL			volume 103	2023/9
18	S Bhuvaneswari, R Muthuganesan, R Radha	<u>Thermal quantum correlations and teleportation in a graphene sheet:</u>	Applied Physics B	International	0946-2171	1.8			Volume 12	22-Apr-23
19	R Muthuganesan, S Bhuvaneswari, R Radha	<u>16. Characterizing nonclassical correlations of tensorizing states in a bilocal scenario:</u>	Quantum Information Processing	International	1570-0755	2.2			volume 12	2023/5

20	R Radha, S Singh, C Senthil Kumar, S Lou	<u>17. Elusive exotic structures and their collisional dynamics in (2+ 1)-dimensional Boiti-Leon-Pempinelli equation</u>	Physica Scripta	International	0031-8949	2.6				volume 22	01-Dec-22
21	P Naveena, S Bhuvaneswari, R Radha, R Muthuganesan	<u>18. Quantum correlations in a mixed spin-(1/2, 1) Heisenberg dimer</u>	Journal of Magnetism and Magnetic Materials	International	0304-8853	3				volume 97	01-Dec-22
22	S Bhuvaneswari, R Radha, R Muthuganesan	<u>19. Quantum correlations in a mixed spin-(1/2, 1) Heisenberg dimer</u>	arXiv preprint arXiv:2211.16230	International	NIL	NIL				Volume 56	29-Nov-22
23	S Bhuvaneswari, R Muthuganesan, R Radha	<u>20. Quantum correlations and coherence in a moving Unruh–Dewitt detector</u>	Physica A: Statistical Mechanics and its Applications	International	0378-4371	3.3				NIL	15-Oct-22
24	S Sabari, OT Lekeufack, SB Yamgoue, R Tamilthiruvalluvar, R Radha	<u>21. Role of higher-order interactions on the modulational instability of Bose-Einstein condensate trapped in a periodic optical lattice</u>	International Journal of Theoretical Physics	International	0020-7748	1.5				Volume 60	27-Aug-22
25	S Sabari, RK Kumar, R Radha, P Muruganandam	<u>22. Stability window of trapless polariton Bose-Einstein condensates</u>	Physical Review B	International	2469-9969	3.9				Volume 61	01-Jun-22

26	R Radha, CS Kumar	<u>24. Localized excitations and their collisional dynamics in (2+ 1)-dimensional Broer–Kaup–Kupershmidt equation</u>	Rom. Rep. Phys	International	1221-1451	2.7				Volume 19	2022
27	K Parasuraman, C Immozhi, T Thilagavathi, M Kumar, MER Saravanan	Sankaranarayanan-Ramasamy (SR) technique L-threonine lithium chloride single crystal: unidirectional growth, optical and mechanical studies	Materials Today: Proceedings	International	2214-7853					NIL	25-May-23
28	S Logambal, T Thilagavathi, M Chandrasekar, C Immozhi, PBE Kedi,	Synthesis and antimicrobial activity of silver nanoparticles: incorporated couroupita guianensis flower petal extract for biomedical applications	Journal of King Saud University-Science	International	1018-3647	3.3				Volume 35	01-Jan-23
29	S Logambal, C Maheswari, S Chandrasekar, T Thilagavathi, C Immozhi,	Synthesis and characterizations of CuO nanoparticles using Couroupita guianensis extract for and antimicrobial applications	Journal of King Saud University-Science	International	1018-3647	3.3				Volume 34	01-Apr-22
30	S Renuka, V Hariharan, J Vinoth Arulraj, P Sutharsan, B Gokulakumar, K Dhanaraj	Evaluation of antibacterial activity using Aervalanata and Millettia pinnata leaf extracts mediated ZnO and Cu-doped ZnO nanoparticles,	Global Nest Journal	International	1790-7632	1.7				Volume 25	April 25, 2023

31	V Hariharan, S Renuka, P Sutharsan, K Dhanaraj	Unburned carbon from bagasse fly ash to produce activated carbon in a single-stage chemical process	international journal of current science research and review	International	2581-8341	8.048				Volume 06	01-Jan-23
32	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	2024
33	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	2024
34	G Rajesh, S Akilandeswari, PS Kumar, VU Shankar, M Ramya, K Nirmala	7.The consequence of Mg and Mn doping on the structure, photoluminescence, morphology, and photocatalytic performance properties of t,m-ZrO ₂ nanoparticles ...	Applied Nanoscience	International	2190-5509	NIL				Volume 13	2023/6

35	G Rajesh, PS Kumar, S Akilandeswari, G Rangasamy, S Lohita, V Uma Shankar, M Ramya, K Thirumalai	Preparation and characterization of a novel cobalt-substitution cadmium aluminate spinel for the photodegradation of azo dye pollutants	Chemosphere	International	0045-6535	NIL				
									Volume 32	01-May-23
36	S Mahalaxmi, G Rajesh, PS Kumar, S Akilandeswari, MA Joshua, V Uma Shankar, M Ramya, K Thirumalai, Gayathri Rangasamy	9.Fabrication of an effectual, stable and reusable Mg-doped CdAl ₂ O ₄ nanoparticles for photodegradation of toxic pollutants under visible light illumination	Chemosphere	International	0045-6535	NIL				
									Volume 32	01-May-23
37	G Rajesh, PS Kumar, S Akilandeswari, G Rangasamy, S Lohita, V Uma Shankar, M Ramya, K Nirmala, K Thirumalai	10.Strategies for ameliorating the photodegradation efficiency of Mn-doped CdAl ₂ O ₄ nanoparticles for the toxic dyes under visible light illumination	Chemosphere	International	0045-6535	NIL				
									Volume 32	01-Apr-23

38	G Rajesh, PS Kumar, S Akilandeswari, G Rangasamy, A Mandal, V Uma Shankar, M Ramya, K Nirmala, K Thirumalai	11.A synergistic consequence of catalyst dosage, pH solution and reactive species of Fe-doped CdAl ₂ O ₄ nanoparticles on the degradation of toxic environmental pollutants	Chemosphere	International	0045-6535	NIL				Volume 31	01-Mar-23
39	G Rajesh, PS Kumar, G Rangasamy, S Akilandeswari, A Mandal, V Uma Shankar, M Ramya, K Nirmala, K Thirumalai	12.Fabrication of a novel Ni-doped CdAl ₂ O ₄ nanoparticles and applications in photo-oxidation processes under visible light illumination	Molecular Catalysis	International	2468-8274	4.3				Volume 53	15-Jan-23
40	kiruthika Swaminathan, Ramesh Kuppusamy, Viruthagiri Govindaraju, Thilagavathi Thirugnanam, Ayyar Dinesh, Sasikala Ponnusamy, Munawar Iqbal and Manikandan Ayyar	3. Effect of reducing agents on structural, morphological, optical and electrochemical properties of Mn₂O₃ nanoparticles by co-precipitation method	De-Grudyer	International	NIL	NIL				Volume 23	December 1, 2023
41	C Kanimozhi, S Ganesan, G Gokila, R Manimekalai	7. In vitro evaluation of cytotoxicity, anti-inflammatory and wound healing properties of otolith stones from pomadasys maculatus	Journal of Materials Science	International	0022-2461	4.4				Volume 57	2022/7

(3) Papers Presented in Conferences

S.No	Name of the Faculty	Title of the Paper	Name of the Institution	Title of the Proceedings of the	Name of the Conference	National / Internation	Vol., Issue & Page	Month & Year	ISSN/ ISBN
Computer Science									
1	M.Niranjana, Dr.F.Kurus Malai Selvi,	"A survey of Rice Grain classification from	E.G.S pillay Engineering Colleges,	International Conference on Research and	Research and Development in	International	Vol 4,pages 311-320	Apr-25	ISBN:978-989-758-
HISTORY									
1	Dr.P.P.Sujatha	Sakshinathar koyil kattadakalai oru Ayivu	PG and Research Department of History, Government College for Women(A),Kumbakonam	Temple culture in Tamilnadu Through the Ages		National level	-	22.12. 2022	-
2	Dr.P.P.Sujatha	Kudanthai Nageswaran koyil seermihu sirpangal	PG and Research Department of History, Government College for Women(A),Kumbakonam			National level		21 .07.2023	
3	Dr M.Kala	Historical Analysis of Tamilnadu Arts and Architectural A study	Muslim Arts College, Thiruvithancode	Revelations of Archaeological Excavation			Page no. 180 - 184	Aug-22	No. 978 - 81 - 908060 - 8 - 4
4	Dr M.Kala	A South Africa born Tamil Freedom Fighter Thurayanar Adigalar View	Kunthavai Naachiyaar Govt Arts College for Women (A), Thanjavur.	Unsung Freedom Fighter's of Tamilnadu			Page no. 92 - 94	Sep-22	No. 978 - 93 - 92560 - 04 - 0
5	Dr M.Kala	Muhammad Ismail, The Freedom Fighter, was hailed as the Dignified Quaide Millat	Manonmaniam Sundaranar University, Thiruneveli	Unsung Heroes of Thiruneveli District			Page No. 90 - 93	Nov-22	
6	Dr M.Kala	Socio Cultural settings of Tamilnadu upto 1736 AD	Govt College for Women (A), Kumbakonam	Water Bodies Available Inscription in Virudhunagar District			Page No. 97 - 100	Dec-22	No. 978 - 93 - 92 - 560 - 17 - 0

7	Dr M.Kala	Exploring the Role of Festivals and Celebrations in Maintaining Traditional Knowledge and Practices in Indian Rural Communities	Annamalai University	Mission Antyodaya for Strengthening India: committed to Sustainable Rural Livelihoods			Page No. 39 - 45	Apr-23	No.978 – 81 – 951299 – 5 - 9
8	Dr M.Kala	Cholapuram Kashi Viswanathar Temple A Study	Govt College for Women (A), Kumbakonam	Temple culture in Tamilnadu Through the Ages		International		Jul-23	No. 978 – 93 – 92 – 560 – 26 - 2
9	Dr M.Kala	Historic Perspective of the Nayak art and Architecture		Indian History Congress		International	Page No. 1181 - 1188	Dec-23	No. 2249 – 1937

(4) Books Published					
S.No	Author	Title of the Book	Month and Year of Publication	ISBN No.	Name & Place of the Publisher
Botany					
1	Dr.B.Bhavani	Fundamental of Biological Science	2023	978-1-304-84457-6	Roshmi book Publication, Lulu Publication, Raleigh, North Carolina, United States.
TAMIL					
2	S.Maheswari	Vaivittu chirithar Buthar	2023	978-81-965058-0-6	Mouval padippagam, valangaiman
HISTORY					
3	Dr M.Kala	Indian Constitution	Oct-23	978 – 3 – 92560 – 95 - 8	PCF Publications , Madurai

(5) Books Edited					
HISTORY					
1	Dr M.Kala	Education Policy	2022	978 – 1- 4583 – 5814 - 1	Lulu Publications, United States
2	Dr M.Kala	Socio – Cultural Settings of Tamilnadu Upto 1736 AD	Dec-22	978 – 93 – 92560 – 17 - 0	PCF Publications, Madurai

(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
ENGLISH						
1	Dr.Nafees Sultana	Bharati Mukherjee's <i>Jasmine</i> The Saga of	Female Protagonist	2022 978-9391553258	-	-
HISTORY						
2	Dr M.Kala	Women in India Political System; Issues and Challenges	The Handbook of Political Issues in India	Oct-22	13:978 – 9381902059 10:9381902054	
3	Dr M.Kala	World Heritage Sites of India	Historical Monuments in India	/2022	978 – 1 – 4357 – 7937 - 2	Lulu Publications
4	Dr M.Kala	Women Political Participation in India	Women Role in Politics	/2022	978 – 1 – 6671 – 7959 – 9	Lulu Publications


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Government College for Women(Autonomous)
KUMBAKONAM.