


FACULTY PROFILE

Name of Teaching Staff / RMK ID	Dr.V.NIRMALA/T0747			
Designation	Associate Professor(Grade 1)			
Department	Department of Science & Humanities (Chemistry)			
Date of Joining the Institution	29.06.2012			
Qualifications	M.Sc.,	M.Phil.,	Ph.D., (Mathematics)	
Total Experience	Overall : 28yrs		in RMK : 13yrs	
Papers Published in Journal	Overall : 12		After Joining RMK :12	
List of Papers Published	1. Unique isolated domination in graphs, Sivagnanam Mutharasu and V. Nirmala , Malaya journal of matematik, Vol 7, No 4, 720-723, DEC 2019, UGC Approved and Indexed Journal, ISSN(P):2319-3786(2019)			
	2. Unique isolated perfect domination in graphs, Sivagnanam Mutharasu and V.Nirmala , TEST Engineering and Management, Jan-Feb 2020, ISSN:0193-4120, Page no.14877-14882, Scopus Indexed(2019)			
	3. Isolated connected domination in Graphs, Sivagnanam Mutharasu and V.Nirmala , IJAS, Volume No:12 & Issue 02, 2021, 1452-1457, ISSN: 2008-8019, International Journal of Aquatic Science, WoS(2021)			
	4. UNIQUE ISOLATE DOMINATION IN POWER OF CYCLE AND IN SOME FAMILIES OF GRAPHS, V. Nirmala , M. Muthukumar, E. UmaMaheswari, European Chemical Bulletin , ISSN 2063-5346, Scopus Indexed(2021)			
	5. An eminent role of Marine in Pharmacology and Nutraceutical, Journal of coastal life medicine, A. Vijayalakshmi, A. Parvathi Priya, V. Nirmala, M. Meena ISSN 2063-5346, Scopus Indexed(2023)			

	6. V- Super vertex in-antimagic total graceful labelings of digraphs Duraismy Kumar , V.Nirmala ,Sivagnanam Mutharasu, Mathematics in engineering science and aerospace, <u>SSN :2041-3165</u> , Scopus Indexed(2024)	
	7. AI-driven transformations in power generation and consumption tackling climate change, Nirmala, V. , Dhanalakshmi, J., Mallikarjuna, B., ...Jency, C., Priyadarshini, G.K, Innovations in Power Systems and Applications pp. 43-66,Book chapter(2024)	
	8. Signed domination function of graphical image of trisomy ultrascan, Nirmala, V., Iyappan, K., Kumar, D. Mathematics in Engineering Science and Aerospace 16(1), pp. 269-276,Scopus Indexed(2025)	
	9. Super Vertex Magic Graceful Labeling Of Graphs, Nirmala, V., Kumar, D., Lawrence, J.S. Palestine Journal of Mathematics 14(Special Issue II), pp. 174-179(2025)	
	10. Study on nano robotic systems for industry 4.0: Overcoming challenges and shaping future developments, Krishna Pradeep, G.V., Balaji, M., Nirmala, V., Solomon, I.J., Sudhakar, M. (2025)	
	11. A Comprehensive examination of utilizing neutrosophic parameters in manufacturing industry through queueing approach , Nirmala, V., Logapriya, B., Vidhya, D., ...Shobana, A., Gayathri, Mathematical Models in Engineering 10(4), pp. 251-263(2024)	
	12. Machine-learned density functional based quantum chemical computations for ethane: performance of DeepMind 21 on potential energy surface and molecular properties, Jijila, B., Ezhilarasi, S.S., Nirmala, V, Journal of Molecular Modeling 31(2025)	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 1	After Joining RMK :1
Ph.Ds / Projects Guided	Ph.Ds Guided : - NIL	Student Projects Guided : - NIL
Professional Memberships	Count :6	
	1. Lifetime member – The Indian Society for Technical Education 2. Life time member - IAENG 3. Life time member - IFERP 4. Life time member - AIPH	

Consultancy Projects Completed	Count : 2
	1. Completed Construction Inventory Management and Cost Control, SV CONSTRUCTIONS & INTERIORS Chennai-600099, on 25/03/2025, for an amount of Rs. 51,000/- 2. Complete Billing and Account Handling services, Shiva Electronics and Furniture Private Limited, on 26/03/2024 for an amount 50,000 /-
Awards Received	Count :1

	1. Academic Excellence Award (2024),AIP
Orchid Link / ID	ID : https://orcid.org/0000-0002-6156-5721
Google Scholar Link / ID	ID: https://scholar.google.com/citations?user=lbAan0gAAAAJ&hl=en
Vidwan Link / ID	Link: https://vidwan.inflibnet.ac.in/myprofile/305305
Scopus Link / ID	Link: https://www.scopus.com/authid/detail.uri?authorId=59430356700