

PROFILE



PERSONAL DETAILS

Name : Dr. T. Saratha Devi
Date of Birth : 18.05.1977
Qualification : M.Sc., M.Phil., Ph.D.
Designation : Assistant Professor and Head
Department : Statistics
Community : BC
Nationality : Indian
Email ID : sarathadevi@gvncollege.edu.in

ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
Ph.D.	Mathematics	Govindammal Aadithanar College for Women, Thiruchendur.	Manonmaniam Sundaranar University	August, 2016
SET /NET	-	-	-	-
M.Phil.	Mathematics	Mannar Thirumalai Naicker College, Madurai	Madurai Kamaraj University	April 2001
M.Sc.	Mathematics	School of Mathematics	Madurai Kamaraj University	April 1999
B.Sc.	Mathematics	N. M. S.Sermathai Vasan College for Women, Madurai	Madurai Kamaraj University	April 1997
H. Sec..	Tamil, English, Maths, Physics, Chemistry, Biology	Avvai Corporation Girls Higher Secondary School, Madurai.	Tamilnadu State Board	March, 1994
SSLC	-	Avvai Corporation Girls Higher Secondary School, Madurai.	Tamilnadu State Board	March, 1992

ACADEMIC IDENTITY

*VIDWANID	195455
*ORCIDID	0000-0003-0571-4320
*SCOPUS ID	56728834900
*RESEARCHER ID/PUBLONSID	JFA-4884-2023
GOOGLE SCHOLARLINK	https://scholar.google.com/citations?user=igz5zAcAAAAJ&hl=en

TEACHING EXPERIENCE

Date of Appointment	01.09.2007
Date of Retirement	18.05.2035
Teaching Experience	17 Years, Till date
UG	17 Years
PG	-
Research	-

COURSES / CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	
B.E., B.Tech. - Engineering Mathematics	P.T.R. College of Engineering and Technology, Madurai	20.08.2001	12.07.2002	Eight months and Twenty Two days
B.Sc. (Electronics, CS, IT), M.Sc., (CS) – Ancillary Mathematics. BBA, B.Com - Business Mathematics and Statistics. M.Com – Operation Research	G. Venkataswamy Naidu College	04.07.2007	31.06.2014	Six years
B.Sc., Statistics	G. Venkataswamy Naidu College	01.07.2014	Till Date	Ten years

AWARDS RECEIVED

1.	Abirami Pudhuyuga Penn – 8 th March, 2021
2.	Abirami Paaratu Pattaiam – 20 th March, 2022

ADMINISTRATIVE EXPERIENCE			
S. No	DESIGNATION	INSTITUTIONS	YEAR
1.	Convener in Students Counseling and Grievances Cell	G. Venkataswamy Naidu College	2021 - 2024
2.	Member in Research Advisory Committee	G. Venkataswamy Naidu College	2021 - 2024
3.	Convener in Sports Day Celebration	G. Venkataswamy Naidu College	2023 – 2024
4.	Convener in Students Grievances	G. Venkataswamy Naidu College	2024 - 2025
5.	Member in Outcome Based Education Cell	G. Venkataswamy Naidu College	2024 - 2025

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1.	Professionalism and English Pedagogy	G. Venkataswamy Naidu College	September 13 th , 2012
2.	Staff Competence Building Programme	G. Venkataswamy Naidu College	June 3 rd & 4 th , 2014
3.	Personal and Professional Transformation	G. Venkataswamy Naidu College	December 1 st and 2 nd , 2016
4.	Two day Faculty Development Programme on Team Building	IQAC of Mannar Thirumalai Naicker College, Madurai in collaboration with ICT Academy, Chennai	20 th and 21 st July, 2018
5.	Introduction to Python Programming	National Engineering College, Kovilpatti	01.08.2019 to 03.08.2019
6.	FDP – Descriptive Statistics with R Software	NPTEL AICTE – IIT Kanpur	Feb – May, 2020
7.	Online Faculty Development Programme on LaTeX	G. Venkataswamy Naidu College in association with Spoken Tutorial IIT Bombay	30 th April to 04 th May, 2020
8.	FDP – Foundations of R Software	NPTEL AICTE – IIT Kanpur	July – October, 2022

DETAILS OF RESEARCH WORK

Research Stages	Title of the Thesis	University where the work was carried out
Ph.D	A Study on Graph Labeling: Edge Pair Sum Labeling and Related Concepts	Manonmaniam Sundaranar University
M.Phil	-	-
M.Sc	-	-
B.Sc	-	-

AREAS OF RESEARCH

Graph Theory and Fuzzy Graph Theory

PH.D.THESIS ADJUDICATED:

S.No	NameoftheUniversity	TitleoftheThesis/NameofCandidate/Year
1	-	-

STUDENT RESEARCH PROJECTS GUIDED

S. No	StudentName	Titleof theProject	Year
1.	V. Swetha	A Study On Fuzzy Graph: Bipolar Fuzzy Graph And Related Concepts	2023 (Completed)
2.	M. Krishna Kumar	A Study On Edge Pair Mean Labeling And Related Concepts	2020 (Submitted)
3.	M. Bala	A Study On Distance Pair Antimagic Labeling Of Graphs	2020 On going
4.	N. Muthu Selvi	A Study On Oblong Contra Harmonic Mean Labeling Of Graphs	2020 On going

S. No	Title of the Book	Publication	Year
1.	-	-	-

PUBLICATIONS: SCOPUS INDEXED JOURNALS & WEB OF SCIENCE

PUBLICATIONS				
BOOKS	BOOK CHAPTERS	SCOPUS	WEB OF SCIENCE	UGC LISTED
-	-	-		-
OTHER INDEXED	ASA RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	
-	-	-	-	-

BOOK CHAPTERS			
S. No	Title of the Paper	Name of the Book	ISBN No., Pg. No
1.	Further Results on Edge Pair Sum Graphs	Contemporary Research Across Disciplines	978-81-978738-1-2 & 93-100
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1.	Some edge pair sum graph	Journal of Discrete Mathematical Science and Cryptography	09720529 18 (5), 481-493, 2015 (Taylor and Francis publication)
2.	Edge Pair Sum labeling of $WT(n:k)$ Tree	Global Journal of Pure and Applied Mathematics	0973-1768 11 (3), 1523-1539 (2015) (Scopus - cited publication)
3.	Edge Pair Sum Labeling of Some Cartesian Product Graphs	Discrete Mathematics, Algorithm and Applications	1793-8309 / 1793-8317 18 (02), 1650024-1 to 1650024-10, (2016) (World Scientific) DOI:10.1142/S1793830916500245
4.	Mth -Neighbourly Irregular Bipolar Fuzzy Graphs	Webology	1735-188X Volume 17, Number 4 2020
5.	Edge pair sum labeling of some classes of graphs	Journal of Discrete Mathematical Science and Cryptography	0972-0529 26 May, 2021 (Taylor and Francis publication, Scopus indexed journal).

6.	Bi-regular Bipolar Fuzzy Graphs	International Journal of Mechanical Engineering	0974-5823 4332 - 4337 Vol 6, No.3 2021
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PUBLICATIONS: UGC LISTED JOURNALS

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1.	Edge Pair Sum labeling	Journal of Scientific Research	2070-0245 5 (3), 457-467 (2013)
2.	Some results on edge pair sum labeling	Electronic Notes in Discrete Mathematics	15710653 48, 169-173 (2015) Impact Factor-.48 (ISI-cited publication)
3.	Edge pair sum labeling of butterfly graph with shell order	Malaya Journal of Matematik	23193786 4 (2), 205-210, (2016)
4.	New Results on Edge Pair Sum Graphs	International Journal of Mathematics And its Applications	23471557 4 (1-B), 57-65, (2016)
5.	Edge pair sum labeling of some subdivision of graphs	Bulletin of the International Mathematics Virtual Institute	23034874 8(2018), 67-80
6.	Edge Pair Mean Labeling	Adalya Journal	March, 2021 (UGC approved journal)

PUBLICATIONS: OTHER INDEXED JOURNALS

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1.	On edge pair sum labeling of graphs	International Journal of Mathematics Trends and Technology	23495758 Volume 7, Number 2, 106 – 113 (2014)
2.	Edge Pair Sum labeling of spider graph	Journal of Algorithms and Computation	45 (1), 25-34 (2014).
3.	Edge Pair Sum Labeling of Some Cycle Related Graphs	Journal of Algorithms and Computation	47 (1), 57-68 (2016)

4.	Some Results on Skolem Odd Difference Mean Labeling	Proyecciones Journal of Mathematics	Vol.35, No.4 (2016), 407-417
5.	Some new families of edge pair sum graphs	Palestine Journal of Mathematics	Vol 8(2), (2019), 61-69
6.	nth-Highly Irregular Bipolar Fuzzy Graphs	SSRG International Journal of Mathematics Trends and Technology	2231-5373 68-81, (2019)
7.	Some New Families of Edge Pair Mean Graphs	Neuroquantology	20(22), 5515-5519, December (2022), DOI: 10.48047/nq.2022.20.22.NQ10568
8.	Innovative Approaches to Edge Pair Mean Labeling Graph Theory	International Journal of Food and Nutritional Sciences	12(1), 6097-6110 January (2023).
9.	Non Neighbourly Edge Irregular Bipolar Fuzzy Graphs	Journal of Inventive and Scientific Research Studies	2584-0630 Vol: I Issue: 1 June 2023
10.	A Study On Challenges Faced By Women Police Officers In Kovilpatti Taluk, Thoothukudi District	Journal of Inventive and Scientific Research Studies	2584-0630 Vol: II, Issue: 1 June 2024

AS A RESOURCE PERSON			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1.	Lecture on "Speed Maths for Competitive Exams" in the Inter-Collegiate Workshop	Department of Commerce at G. Venkataswamy Naidu College	28 th September, 2012
2.	A guest lecture on the topic "What next Latex" in the "One week Workshop on Latex"	Department of Mathematics and the Department of Computer Application, Govindammal Aditanar College for Women, Tiruchendur	19 th September, 2016
3.	A guest lecture on the topic "Introduction to Graph Labeling" in the "One day Webinar"	Department of Mathematics, Govindammal Aditanar College for Women, Tiruchendur	09 th October, 2020
4.	Guest Speaker in the Kelvin Club Inauguration	Shrikarra Vidhya Mandhir, Kovilpatti	17 th July, 2021

**WEBMINARS / SEMINARS / CONFERENCES / SYMPOSIA / WORKSHOP
PAPER PRESENTED: National -International**

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1.	National Conference on Frontiers of Pure and Applied Mathematics	The Madurai Diraviyam Thayumanavar Hindu College, Tirunelveli	March 21 – 22. 2012
2.	National Conference on Inclusive Growth and Women Empowerment	The Standard Fireworks Rajaratnam College for Women, Sivakasi	December 14 th & 15 th , 2012
3.	Eighth International Workshop on Graph labelings	Kalasalingam University	December 03 – 06, 2014
4.	National Conference on Discrete Mathematics and its Applications	Manonmaniam Sundaranar University	July 15 – 17, 2015
5.	National Level Seminar on Present Scenario in Graph Theory	G. Venkataswamy Naidu College	March 17 th , 2017
6.	Conference on Mathematical Methods Modeling and Simulation in Chemical Sciences	SSN College of Engineering, Chennai	December 6 th to 8 th , 2018

SEMINARS / CONFERENCES / SYMPOSIA / WORKSHOP / ATTENDED:

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1.	National Level Seminar on Quality Enhancement and Sustenance in the Institutions of Higher Education with Rural and Semi Urban Background	G. Venkataswamy Naidu College, Kovilpatti	October 7 th & 8 th , 2010
2.	National Level Workshop on Research Methodology And Latex	SSN College of Engineering, Chennai	April 19 – 20, 2013
3.	State Level Seminar on Recent Trends in Mathematics	G. Venkataswamy Naidu College	October 18, 2014
4.	UGC Sponsored National Seminar on Recent Trends in Mathematics	G. Venkataswamy Naidu College	March 5 – 6, 2015
5.	State Level Workshop on Statistical Methods and Applications	G. Venkataswamy Naidu College	February 8 th and 9 th , 2016

6.	National Level Seminar on Discrete Mathematics and its Applications to Engineers	Thiagarajar College of Engineering, Madurai	February 9 th and 10 th , 2017
7.	National Level Workshop on Enriching Prospective Teaching Faculty: Creating Professors/Teachers of Tomorrow	G. Venkataswamy Naidu College	February 21 st , 2017
8.	National Seminar on Algebra and Graph Theory	G.Venkataswamy Naidu College, Kovilpatti	18.10.2019
9.	ICSSR Sponsored National Seminar on Women Empowerment: A Fusion of Media, Literary Culture and Society	G.Venkataswamy Naidu College, Kovilpatti	12.02.2020
10.	Seminar on Scholarly Publication and Citation Analysis	G. Venkataswamy Naidu College, Kovilpatti	05 th march 2020
11.	National Level Webinar on Psychological Condition of Students During and After the Pandemic.	G. Venkataswamy Naidu College, Kovilpatti	04.06.2020
12.	Webinar on Recent trends in Graph Theory	Alagappa University, Karikuddi	29 th & 30 th , may 2020
13.	Webinar on Graph Theory & Human Factors In Aviation	G. Venkataswamy Naidu College, Kovilpatti	3 rd to 5 th June 2020
14.	IP awareness / Training program under National Intellectual Property Awareness Mission	Intellectual Property Office, India	November 11, 2022
15.	IP awareness / Training program under National Intellectual Property Awareness Mission	Intellectual Property Office, India	February 02, 2023
16.	State level Technical Workshop on Intellectual Property Rights	G. Venkataswamy Naidu College, Kovilpatti	21 st and 22 nd July, 2023
17.	User Awareness Programme on E-Resource of NDLI	NDLI Club of G. Venkataswamy Naidu College, Kovilpatti	12 th August, 2023
18.	Guest Lecture on Books and Journey	NDLI Club of G. Venkataswamy Naidu College, Kovilpatti	13 th September, 2023
19.	Global Event: Supercharge Yourself with AI	NDLI Club of G. Venkataswamy Naidu College, Kovilpatti	22 th September, 2023

SEMINARS / CONFERENCES / WORKSHOP ORGANISED:

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	Two Day State Level Workshop on Python	Catalyzed and financially supported by Tamilnadu State Council for Science and Technology, Department of Higher Education, Government of Tamil Nadu	19 th & 20 th December 2019
2	Innovations in Computing Science & Technology: Exploring New Perspectives	G. Venkataswamy Naidu College, Kovilpatti	19.03. 2024

REVIEWER IN INTERNATIONAL JOURNALS

S. No	Name of the Journal	Publishers	ISSN/ EISSN
1	Ain Shams Engineering Journal, Egypt.		2090-4479
2	TWMS J. App. and Eng. Math		
3	South East Asian Journal of Mathematics and Mathematical Sciences		

MEMBERS IN PROFESSIONAL BODY

S. No	Name of the Body	Member ID	Location of the Body
1			



Signature

Date :04.12.2024