

Name of the Faculty member : Dr.S. Ananthalakshmi
 Designation : Assistant Professor and Head
 Residential Address : D/o V. Srinivasan,28/56, South Car Street,Alwarthirunagari,Tuticorin District- 628612
 Gender : Female
 Community : OC
 PAN Number : XXXXXX22B
 Aadhaar Number : XXXX XXXX 0341
 Vidwan ID : 369452
 Date of Birth : 15.05.1979
 Date of Appointment : 15.07.2015
 Blood Group : O Positive

Educational Qualification:

SL. No.	Category	Degree	Specialization	Year of Passing	Institution	University	% of Marks/ Grades Obtained	Class Obtained
1.	UG	B.Sc.	Mathematics	1999	Nazareth Margoschis College	Manonmaniam Sundaranar University	60.45	I
2.	PG	M.Sc.	Statistics with Computer	2001	Manonmaniam Sundaranar University	Manonmaniam Sundaranar University	75.81	I
3.	M.Phil	M.Phil	Statistics	2006	Manonmaniam Sundaranar University	Manonmaniam Sundaranar University	71	I
4.	Ph.D.	Ph.D.	Statistics	2014	Manonmaniam Sundaranar University	Manonmaniam Sundaranar University	-	-

Additional Qualification:

SL. No.	Category	Degree	Specialization	Year of Passing	Institution	Class Obtained
1.	UG	BA	Hindi	2003	Dakshina Bharat Hindi Prachar Sabha	II
2.	PG	MA	Hindi	2009	Dakshina Bharat Hindi Prachar Sabha	II
3.	Certificate Course	-	The Science of Happiness and Wellbeing	Oct 2024	NPTEL	

Teaching Experience:

SL. No.	Institution	Level UG/PG/ etc.	Designation	From	To	Experience		
						Years	Months	Days
1.	Annai Hajira Women's College, Melapalayam, Tirunelveli	B.Sc. (UG)	Assistant Professor	01.07.2015	Till date	10	05	16
2.	Annai Hajira Women's College, Melapalayam, Tirunelveli	B.Sc. (UG)	Assistant Professor	20.06.2013	30.01.2015)	01	07	10
3.	Manonmaniam Sundaranar University	M.Sc. (PG)	Lecturer (Temporary)	11.07.2003	30.04.2010	06	09	19
Total						18	10	15

Awards and Honors:

SL. No.	Name of the Award	Type of Award	Awarding Agency/ University/ Government	Host Institute Name	Year
1.	Secured the first mark in M.Phil Statistics (Part-Time)	Gold Medal	Manonmaniam Sundaranar University	Manonmaniam Sundaranar University	2007

Research Guidance:

SL. No.	Type	Name of the Candidate	Title of the Thesis	University	Status	Date of Registration	Degree Awarded
1.	Ph.D.	G.Padma Karthiyayini	Mathematical Analysis of Optimization Models and Their Applications	Manonmaniam Sundaranar University	Completed	05.07.2018	Degree Awarded
2.	Ph.D.	S.Vijila	Mathematical Analysis for Fuzzy Optimization	Manonmaniam Sundaranar University	Completed	21.12.2018	Degree Awarded
3.	Ph.D.	M.Mary Helen Meera Bai	Application of Optimization in Mathematical Analysis	Manonmaniam Sundaranar University	Ongoing	22.12.2018	
4.	Ph.D.	M. Radha	Exploring Innovative Assignment Problem Models: A Comparative Study	Manonmaniam Sundaranar University	Ongoing	22.12.2018	

Publications:**Articles Published in Journals:**

Cumulative Impact Factor: 46.4	h-index – 2	i10-index – 0
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SI.No.	Title of the Article	Name of the Journal	Journal Type	Paper Details Volume (Year) Page No.	Impact factor (As on May 2023)	Whether Peer reviewed? SCIE/SCI/Scopus/ UGC Listed
1.	An Advanced Method to Find Optimal Solution for Fully Interval Integer Transportation Problem	International Journal of Mathematics and Computer Research	International	Vol.11, Issue 07, July 2023	7.362	
2.	A New Approach for Finding Minimization Cost in Transportation Problem – An Algorithm by Using Python Language	International Journal of Mathematics and Computer Research	International	Vol.11, Issue 07, July 2023	7.362	

3.	Modified Minimum Allocation Method - An Optimal Solution for Transportation Problem	International Journal of Scientific Research in Modern Science and Technology (IJSRMST)	International	Volume 2, Issue 7, July 2023		ISO Certified International Open Access, Peer reviewed
4	A New and Efficient Proposition to Find an Initial Basic Feasible Solution of Transportation Problem	IJFANS International Journal of Food and Nutritional Sciences	International	Vol.11, Iss.12, 2022		UGC CARE Listed (Group -I) Journal
5	Net Work-Path Using Graph Theory Algorithm	Compliance Engineering Journal	International	12, Issue 3, (2021)	6.1	Yes. Scopus
6	A Modern Approach For Finding Minimization Cost In Transportation Problem	Turkish journal of Computer and Mathematics Education		Vol. 12, No. IS (2021)		
7	Application Of Graph Theory to Find Optimal Paths for The Transportation Problem Using Triangular Number	Science, Technology and Development	International	10, Issue II, (2021)	6.1	Yes. UGC Care List
8	A Fuzzy Model for the Optimization of Cross Flow Cooling Tower Using Mamdani Rule Modelling	International Research Journal of Engineering and Technology	International	ISSN:2395-0056 E-ISSN:2395-0072, Vol.07, No. 05 (2020)	7.5	Yes. Journal An ISO 9001:2008 certified Journal
9	A Modern Approach for Solving Interval Based Assignment Problem	Advances in Mathematics: Scientific Journal	International	ISSN:1857-8365, E- ISSN: 1857-8438 NO. 5, (2020)		Yes. Scopus

10	An Innovative Method To Solve Transportation Problem Based on a Statistical Tool	Advances in Mathematics: Scientific Journal	International	NO. 5, ISSN: 1857-8365,e- ISSN: 1857-8438(2020) http://doi.org/10.37418/amsj.9.5.17		Yes. Scopus
11	An Inventive Method for Solving Fully Interval Transportation Problem	SSRG International Journal of Mathematics Trends and Technology (SSRG-IJMTT), (SPECIAL ISSUE National Conference on Pure and Applied Mathematics -2019)	International	Sep.2019 (http://Www.ljmttjournal.Org)		
12	Modern Approach for Designing And Solving Interval Estimated Linear Fractional Programming Models	Application and Applied Mathematics: An International Journal (AAM)	International	Vol. 9, Issue 2,(2014) pp. 795-810, ISSN:1932-9466		
13	Modern Developments in Optimization Model Based on Generalized Confidence Interval Method	International Journal of Computer Trends and Technology (IJCTT)	International	Vol.4,Issue 6, (2013) pp. 1594- 1597, ISSN: 2231-2803		Yes
14	Modern Optimization Model on Interval Estimation	Indian Journal of Applied Research	National	Vol. 3, Issue 7, (2013) pp. 618-620, ISSN: 2249-555X	6.03	Yes. UGC care (since 18/07/2018)
15	Decision Making Under Uncertainty Using Mathematical Optimization: A Survey	International Journal of Global Research Analysis	International	Vol.2,(2013) pp.190-192,ISSN:2277 – 8160.	5.956	UGC care (since 18/07/2018)
16	Applications Of Quantitative Models In WSHG: An Empirical	Mathematical Modeling and Applied Computing	International	Vol.2, No.2,(2011) pp.169-176, ISSN:0973-6093		

Books Published/ Articles Published in Books/ Chapters written in Edited Books:

Sl. No.	Title of the Article	Name of the Book	Name and Address of the Publisher	Date of Publication	ISBN No.
1.	Devara Padalkalil Vali Patu muraikal	Panniru Thirumuraigal Meel Paarvai	Virutcham Publications, Vikramasingapuram, Tirunelveli	31 March 2023	978-93-5813-728-6
2.	pasumarathaniyai palli paruvam	pasumarathaniyai palli paruvam	Yaappu Publication	2022	978-93-95414-11-1
3.	Malarin Mounam	Malarin Mounam	Yaappu Publication	2022	978-93-95414-11-1
4.	Nellai Vattara Moli	Nellai cimaiye	Virutcham Publications, Vikramasingapuram, Tirunelveli	September 2025	978-93-344-0216-2

Papers published in the Conference Proceedings:

S.N	Theme	Title of the Paper	Organized by	Type	Date
1	National Conference on Emerging Trends in Discrete and Abstract Mathematics NCETDAM -2022	An Efficient Method to Solve Transportation Problem for Finding Initial Basic Feasible Solution		National	13 &14,Oct 2022
2	Conference Proceedings of the National Conference on Innovations in Science Engineering and Technology NCISSET'22	A New Approach to Determine the Initial Basic Feasible Solution by Using SDP Method	Jayaraj Annapackiam CSI College of Engineering Nazareth	National	2022
3	Proceedings of the International Virtual Conference on Current Scenario in Modern Mathematics (ICCSMM-2022)	An Algorithmic Approach to Find a Feasible Solution of Transportation Problems by Using the Half Width-Value Method	PG and Research Department of Mathematics Aditanar College of Arts and Science, Virapandianpatnam Tiruchendur	International	4, Feb.2022
4	A conference proceeding of Recent Trends in Modern Mathematics (RTMM-2021)	A New Approach for Finding Minimisation Cost in Transportation Problem – An Algorithm by Using Python Language	PG & Research Department of Mathematics, St. John's College, Palayamkottai, Tirunelveli	International	Oct.2021

5	International Conference on Recent Trends in Pure and Applied Mathematics RETRIM'21	A New Approach for Solving Interval Based Assignment Problem by Using Complete Bipartite Graph	Sarah Tucker College, Tirunelveli	International	28, 29 Oct.2021
6	International virtual conference on progress in mathematics towards industrial application (PMTIA-2021)	An Algorithmic Approach to Find Minimum Cost in Transportation Problem by Using Min-Range Method	Department of Mathematics SRM Institute of Science and Technology Ramapuram Campus Chennai - 600 089	International	29,30, Oct.2021
7	National Conference on Innovation in Mathematics (NCIM-2018)	Optimality Solution of Interval Linear Programming Problem	Department of Mathematics, Sadakathullah Appa College, Tirunelveli	National	Feb. 2018
8	Panmuga Nokil Islamiya Tamil Ilakiyangal	Tamil Ilakiyathil Islamiya Pengalin Pangu" (The participation of Muslim ladies in Tamil Literature)	Annai Hajira Women's College, Melapalayam	National	21 Oct. 2017
9	Proceedings of National Conference on Frontiers in Applied Sciences and Computer Technology	An Analysis of Modern Developments In Linear Fractional Programming Model	Department of Mathematics, National Institute of Technology, Tiruchirappalli – 620 015, India	National	6-7 Dec. 2012
10	Proceedings of the UGC and KSCSTE Sponsored Regional Seminar on New Trends in Applied Statistical Methodology	Design of a Forecasting Analysis Model for an Optimization Problem	Annual Conference of the Kerala Statistical Association conducted by the PG and Research Department of Statistics, Nirmala College, Muvattupuzha	National	Feb 2010
11	Recent Trends in Statistical Research	Analysis and Design of Interval Linear Programming Models- Algorithmic Approach	Recent Trends in Statistical Research, A Publication of Manonmaniam Sundaranar University, Tamilnadu	National	2010
12	Tamilaga ariviyal peravai paththavathu karuththarangam	An Analysis of Linear Interval Programming Model	Manonmaniam Sundaranar University, Tamilnadu	National	May 21 & 22, 2010

Invited Lectures/ Resource Person:

S.No.	Title	Type of the Programme	Position Held	Place of the Programme	Date
1	Mastering the Clock –Unlock Being Productive	Bridge Course	Guest lecturer	Annai Hajira Women’s College, Melapalayam, Tirunelveli	03. July 2025
2	Time Management	Bridge Course	Guest lecturer	Annai Hajira Women’s College, Melapalayam, Tirunelveli	06, July 2024
3	Empowering Earth: Sustainability Today & Tomorrow	Worth Earth Day	Resource Person	Department of Computer Science, Annai Hajira Women’s College, Tirunelveli	22, April 2024
4	Speech on Understanding the World Through Mathematics	Programme for the Department of Mathematics	Resource Person	Government Arts and Science College for Women, Sathankulam, Thoothukudi	3, March 2023
5	Special lecture on “Science and Technology for Women”	Programme for the Department of Chemistry Students	Resource Person	Annai Hajira Women’s College, Tirunelveli	2, Feb 2023
6	Group song competition on “Western music” - Celebration International Education Day organized by Department of English and IQAC	Event for the Students	Judge	Annai Hajira Women’s College, Tirunelveli	24, Jan 2023
7	Slogan Writing competition	Programme for the all-Department Students	Judge	Annai Hajira Women’s College, Tirunelveli	24-Feb-23

8	Two Days Workshop on Understanding Different Kinds of Numbers	Programme for the Department of Mathematics Students	Resource Person	Rose Mary College of Arts and Science (For Women), Munnirpallam Village, Tirunelveli	28 &29, April 2022
9	Guest Lecture On” Numerical Ability”	Programme for the Placement Cell	Resource Person	Wavoo Wajeeha Women’s College of Arts and Science, Kayalpattinam	23, Sept 2019
10	Guest Lecture On “Applications of Mathematics in Various Field”	Programme for the Department of Mathematics Students	Resource Person	Sri Sankara Bhagavathi Arts & Science College, Kommadikottai	18, July 2018
11	Mathematics Association on “Mathematical Optimization”	Programme for the Department of Mathematics Students	Resource Person	Wavoo Wajeeha Women’s College of Arts and Science, Kayalpattinam	09, Aug 2017

Participation in Conference/ Seminar/ Workshop/ Symposium/ FDP:

Sl. No.	Theme	Place	Type of the Programme	Level	Date
1	The NEP Orientation and Sensitization Programme	Shri Ram College of Commerce Malaviya Mission Teacher Training Centre	FDP	-	01.04.2025 to 09.04.2025
2	Creative Thinking	ICT Academy, Chennai	FDP	National	18th July to 20th July 2024
3	Five days online PDP on “AI Tools for Optimizing pedagogical delivery” organized by “Sri Kanyaka Parameswari Arts and Science College for Women “	IQAC and Department of Commerce, Sri Kanya Parameswari, Arts & Science College for Women, Chennai	FDP		23, April 2024 to 27, April 2024
4	Seven days online FDP on “Python” organized by Star International Foundation for Research and Education	Star International Foundation for Research and Education	FDP	National	19.03.2024 to 25.03.2024

5	DST – CURIE sponsored International Conference on Recent Trends in Pure and Applied Mathematics RETRIM'23	Department of Mathematics, Sarah Tucker College, Tirunelveli	Conference	International	29.03.2023
6	National Conference on Emerging Vistas in Graph Theory (NCEVGT-23)	Department of Mathematics, Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam	Conference	National	27.01.2023
7	International One Week Faculty Development Programme on Research	Amar Seva Mandal's Kamla Nehru Mahavidyalaya, Nagpur	FDP	International	2 May 2022 to 7 May 2022
8	International Virtual Conference on Current Scenario in Modern Mathematics (ICCSMM-2022),	PG & Research Department of Mathematics, Aditanar College of Arts and Science, Tiruchendur	Conference	International	4. Feb. 2022
9	An IQAC sponsored two days international conference on Recent Trends in Modern Mathematics (RTMM-	PG & Research Centre of Mathematics St. John's College, Palayamkottai.	Conference	International	23 & 24, Sept. 2021
10	One Day Training Cum Orientation Programme	Department of English and Foreign Languages and Department of Linguistics, Bharathiar University, Coimbatore in association with TANSCHÉ	Orientation Programme	National	30, Sept. 2020
11	Webinar on Solving Transportation Problems with MS Excel and Solver	PG & Research Department of Mathematics, Aditanar College of Arts and Science, Tiruchendur	Conference	International	27, June 2020
12	Three –day online Faculty Development Programme" Fuzzy Mathematics and its Applications"	Department of Mathematics, Government College Daman in association with IQAC	FDP	International	11, July 2020 to 13, July, 2020
13	A Five Days Online International Faculty Development Programme on "Recent Trends In Applied Mathematics"	Department of Mathematics, SNS College of Technology, Coimbatore	FDP	International	02.06.2020 to 06.06.2020

14	International Conference on Applied Mathematics and Intellectual Property Rights (ICAMIPR-2020)	PG and Research Department of Mathematics, A.P.C. Mahalaxmi College for Women, Thoothukudi	Conference	International	20 & 21 January 2020
15	International Conference on Applied Mathematics and Intellectual Property Rights (ICAMIPR-2020)	PG and Research Department of Mathematics, A.P.C. Mahalaxmi College for Women, Thoothukudi	Conference	International	20 & 21 January 2020
16	National Conference on Innovations in Mathematics (NCIM-2018)	PG and Research Department of Mathematics, Sadakathullah Appa College, Tirunelveli	Conference	National	09.02.2018
17	Panmuga Nokil Islamiya Tamil Ilakiyangal, Annai Hajira Women's College, Melapalayam-627005	Annai Hajira Women's College, Melapalayam-627005	Seminar	National	21 Oct. 2017.
18	Effective Time Management	Department of Youth Welfare, Manonmaniam Sundaranar University, Tirunelveli	Training Programme	-	28.08.2014
19	National Conference on Statistics for Twenty –first Century -2014 [NCSTC - 2014]	National Conference on Statistics for Twenty –first Century -2014 [NCSTC -2014]	Conference	National	22 March 2014
20	Latest Developments in Mathematics	Department of Mathematics, Wavoo Wajeetha Women's College, Kayalpattinam	Seminar	State Level	27 Jan. 2014.
21	National Conference on Frontiers in Applied Sciences and Computer Technology	Department of Mathematics, National Institute of Technology, Tiruchirappalli	Conference	National	6-7 Dec. 2012
22	Recent Advances in Mathematical Computing	The School of Advanced Sciences, Mathematical Division, VIT – Chennai	Workshop	National	Nov. 2012 and Dec. 2012
23	UGC Sponsored National Conference on Recent Trends in Discrete Mathematics	Department of Mathematics, Nazareth Margoschis College, Pillaiyanmanai	Conference	National	09 – 10, December 2010
24	Applications of Statistical Methods	Department of Statistics, Manonmaniam Sundaranar University	Conference	National	29-31, March 2010

25	Eleventh Annual Conference of Society of Statistics, Computer and Applications,	Department of Statistics, University of Madras, Chennai	Conference	National	24-26, February 2009
26	International Conference on Stochastic Modeling (ICSM09)	Department of Mathematics, Alagappa University, Karaikudi	Conference	International	12-14, February 2009
27	International Conference on Recent Trends in Applied Stochastic Methods	School of Mathematics, Madurai Kamaraj University Madurai	Conference	International	16-18, December 2008

Professional Affiliations / Various Positions Held:

S.No.	College/University/Institution	Position	Department	Duration
1.	Annai Hajira Women's College	Member	Discipline Committee	Since August 2021
2.	Annai Hajira Women's College	Member	Admission Committee	Since August 2021
3.	Annai Hajira Women's College	Member	Research and Development cell	Since August 2021
4.	Annai Hajira Women's College	Convener	ECO Club	2023 - 2025
5.	Annai Hajira Women's College	Member	Staff Welfare Committee	2023 to 2024

Membership in Other Academic Agencies/Bodies:

S.No.	Name of the Agency	Board	Period
1.	Rose Mary College of Arts & Science (For Women), Munnirpallam, Tirunelveli	External Examiner, Conducted Theory Examinations of Manonmaniam Sundaranar	2013 to 2016
2.	Manonmaniam Sundaranar University	Paper Valuation, Evaluated Answer sheets of Regular Mathematics UG Courses	Since 2015
3.	Sarah Tucker College, Palayamkottai, Tirunelveli	Question Paper Setter	Since 2021
4.	Sarah Tucker College, Palayamkottai, Tirunelveli	Paper Valuation, Evaluated Answer sheets of Regular Mathematics UG Courses	Since 2025
5.	Sadakathullah Appa College, Tirunelveli	Paper Valuation, Evaluated Answer sheets of Regular Mathematics UG Courses	Since 2025