


RESEARCH ACTIVITIES – (2025-2026)

Guide Details:

		
Name	Dr. P. ANITHA	
Staff ID	TNMK021T86	
Qualification	M.Sc.,M.Phil.,B.Ed.,Ph.D.,	
Designation & Department	Assistant Professor, Department Of Mathematics	
Guideship Number	2179	
Specialization	Stochastic process	
Email ID	anieparthi@gmail.com	

PROFILE

Name	: Dr.P.ANITHA
Educational qualifications	: M.Sc.,M.Phil.,B.Ed.,Ph.D.,
Designation& Address	: Assistant professor Department of Mathematics Hajee Karutha Rowther Howdia College(Autonomous) Uthamapalayam Theni(DT.)- - 625533
Permanent Address	: 10W-51.Suruli Road Kamaya Goundanpatty Theni(DT Mobile.No.8940200206
Date of Birth	: 13/06/1979
Years of service	: 19 Years
Email id	: anieparthi@gmail.com

Research articles Published in Reputed Journals:

1. P.Anitha, G.Arivarignan and B.Sivakumar, "Stochastic Production Inventory System with Machine Break Downs"Proceedings of the Recent Trends in Dynamical Systems and Mathematical Modelling,Ramanujan Institute for Advanced Study In Mathematics,University Of Madras,Page 44-56 March 2014
2. P.Anitha , "Vizing, s Weaker Conjecture "International journal of Mathematics And its Applications ISSN:2347-1557,6(3)(2018) 1-8(Special Issue)
3. P.Anitha, "Colourings of Critical Graphs" Journal of Applied Science and Computations,ISSN:0017-2294 December 2018 Volume V,Issue XII, P-124-136.
4. P.Anitha,"Operations On N-Structure Fuzzy Graph Using T- Operators"Adalya Journal,Web of Science group,Volume 10,Issue 1 ,January 2021,page 31-44,<http://doi.org/10.37896/aj10.1/004>
5. P.Anitha, " Optimal Control Production time of Perishable Inventory System with postponed demands" Int. J. Mathematics in Operational Research, Vol. 19, No. 2, 2021 page 129
6. P.Anitha,"Neutrosophic Bipolar Vague line Graph"Gorteria UGC-CARE (Group- II)Journal, ISSN:0017-2294 ,Volume 34,Issue 6 July-2021,Page 193-203
7. P.Anitha,"Neutrosophic Bipolar Vague Incidence Graph"Gorteria UGC-CARE (Group- II)Journal,Volume 34,Issue 8 August-2021
8. P.Anitha,"Operations on Neutrosophic Vague soft Graph"Neutrosophic Sets and Systems,Volume 51-2022

External examiner-Doctoral committee 2023-24

Viva voce Examiner for M.Phil Mathematics at Theni College of Arts and Science,Veerapandi 18.11.2020.

Book Authored

Differential Equations 978-93-6348-099-5 Leilanikatie publication and press

M.Phil Guided

S.NO	NAME OF THE STUDENT	REGISTER NO	TITLE OF THE PROJECT	YEAR	PG/M.Phil DEGREE
1	P.Mathan	162811	A STUDY ON RAINBOW AND STRONG RAINBOW CONNECTION NUMBER OF GRAPHS	April-2017	M.Phil
2	M.Syed Ali Fathima	162808	BALANCING AND LUCAS BALANCING SUMS BY MATRIX METHOD	April-2017	M.Phil
3	S.Bala	B6814052	BRIEF SURVEY ON SOMINATION RELATED PARAMETERS IN GRAPH THEORY	March-2018	M.Phil
4	P.Maheswari	197215EP070	SOME CHARACTERIZATION IN LIE ALGEBRA	August 2021	M.Phil

Papers presented in Conferences/Seminars/Workshops/Symposia etc

Programme	Title	Institution	Date
National Conference	Edge Chromatic Critical Graphs	Nadar Saraswathi College of Arts and Science for Women,Theni	July 27-28,2011.
National Conference	A Production Inventory System with Machine Break Downs and Retrail Demands	School of Mathematics ,Madurai Kamaraj University,Madurai.	March 23-24,2012

National Conference	A Production Inventory System with Machine Break Downs and Postponed Demands	Hajee Karutha RowtherHowdia College, Uthamapalayam	March h 23,-24,2012
International Conference	Vizing Weaker conjecture	PSG College Of Technology,Coimbatore	Jan 3-5 ,2014
International Conference	Vizing Weaker conjecture $(\delta, \Delta) = (7, 15)$	Jayaraj Annapackiam College for Women,Periyakulam	December 13,2017
International Conference	Optimal Control Production time of Perishable Inventory System with postponed demands	HajeeKaruthaRowtherHowdia College, Uthamapalayam	September 10, 2018
National Conference	Vizing Weaker conjecture $(\delta, \Delta) = (8, 15)$	Bishop Heber College,Tiruchirapalli	March 2-3.2018
National Conference	Neutrosophic Bipolar Vague Line Graph	Mannar Thirumalai Naicker College,Madurai	December 20,2019
National Conference	A Study on various aspects of dominating and global accurate split edge domination number of some special graphs	Arul Anandar College ,Karumathur	February 19,2020
International Conference	Exploration of Contemporary Mathematical Science	Mannar Thirumalai Naicker College,Madurai	17&18 March 2022

National	Present Scenario in mathematical research-2022	Mannar Thirumalai Naicker College, Madurai	22 April 2022
International Conference	Discrete Mathematics and computational Technique	Hajee Karutha Rowther Howdia College Uthamapalayam	14- August 2024
International Conference	Indigenous Technologies for Sustainable Future	Sri Adi Chunchanagiri Women's College, Cumbum	24.02.2024-28.02.2024
National seminar	Mathematical innovations and applications in the digital age	Mary Matha college of Arts and Science, Periyakulam	23.08.2024
National seminar	Avances in Applied Mathematics & IKS Mathematical innovations and applications in the digital age	Mannar Thirumalai Naicker College, Madurai	28.02.2025.

Guest Lectures delivered:

Institution
Sourashtra College, Madurai
Mary Matha College of Arts & Science, Periyakulam.
Sri Adi Chunchanagiri Women's College, Cumbum

International/National/Webinars/FDP attended

- Mathematical Modelling held in Jayaraman Annapackiam College for Women, Periyakulam on 17&18 March 2008.

- State Level Workshop on Advanced Stochastic Modelling held at NadarSaraswathi College of Arts and Science for Women,Theni on 31 August 2009.
- Paper Published in the proceedings of the international conference on Mathematical Modelling And Applied Soft Computing on 11-13 July 2012 at C.I.T,Coimbatore.
- State Level Workshop on Financial Mathematics held on March 27 ,2013 at School of Mathematics, Madurai Kamaraj University, Madurai.
- Workshop on Data Analysis Using SPSS held on August 30 ,2013 at School of Mathematics, Madurai Kamaraj University, Madurai.
- International Seminar on “Algebra And Applied Mathematics” held in Hajee Karutha Rowther Howdia College,Uthamapalayam on 11.01.2018.
- International Professional Developement Workshop held in Hajee Karutha Rowther Howdia College, Uthamapalayam on 30.06.2018.
- National level workshop on “Pedagogy Of Fiteness Workouts”Algebra held in Hajee Karutha Rowther Howdia College,Uthamapalayam on 21.06.2019.
- National Seminar on “Applications Of Mathematics in Real Life(AMRL-2019) held in Jayaraj Annapackiam College for Women,Periyakulam on 17.12.2019.
- National Seminar on “Real Analysis and Cryptography” held in Hajee KaruthaRowther Howdia College,Uthamapalayam on 06.02.2020.
- Virtual Short term Training program On “Data science and Statistical Applications” Jointly Organized by Bharathiar University ,Coimbatore,Jamal Mohamed College,Thiruchirapalli for seven days from 15.03.2021 to 22.03 .2021.
- webinar on”Documentation using LATEX” organized by Arsu College of Arts &Science for Women” on 04.05.2020.
- Online quizt on”MathAxis-2020” Conducted by department of Mathematics, in Hajee Karutha Rowther Howdia College,Uthamapalayam on 06.06.2020.
- FDP on”Google Forms and Its Applications” Conducted by Hajee Karutha Rowther Howdia College,Uthamapalayam on 12.10.2020.
- online lecture series on” Advances In Inventory Control &Supply Chain Management” Conducted by Operational Research society Of India,Meerut

Chapter on
08-11-2020

- Recent Emerging Trends of Research in Mathematics(FDP)-Vellore Institute of Technology 08-05-23 to 13-05-2023
- Quality Initiatives towards E-Governance for Teaching and non-Teaching staff-Hajee Karutha Rowther Howdia College,Uthamapalayam 13.04.2023
- Five days Training of Trainer program 24.04.2023-28.04.2023 by nidm& Madurai Kamaraj University.
- NPTEL(FDP) completed-4