DEPARTMENT OF MATHEMATICS

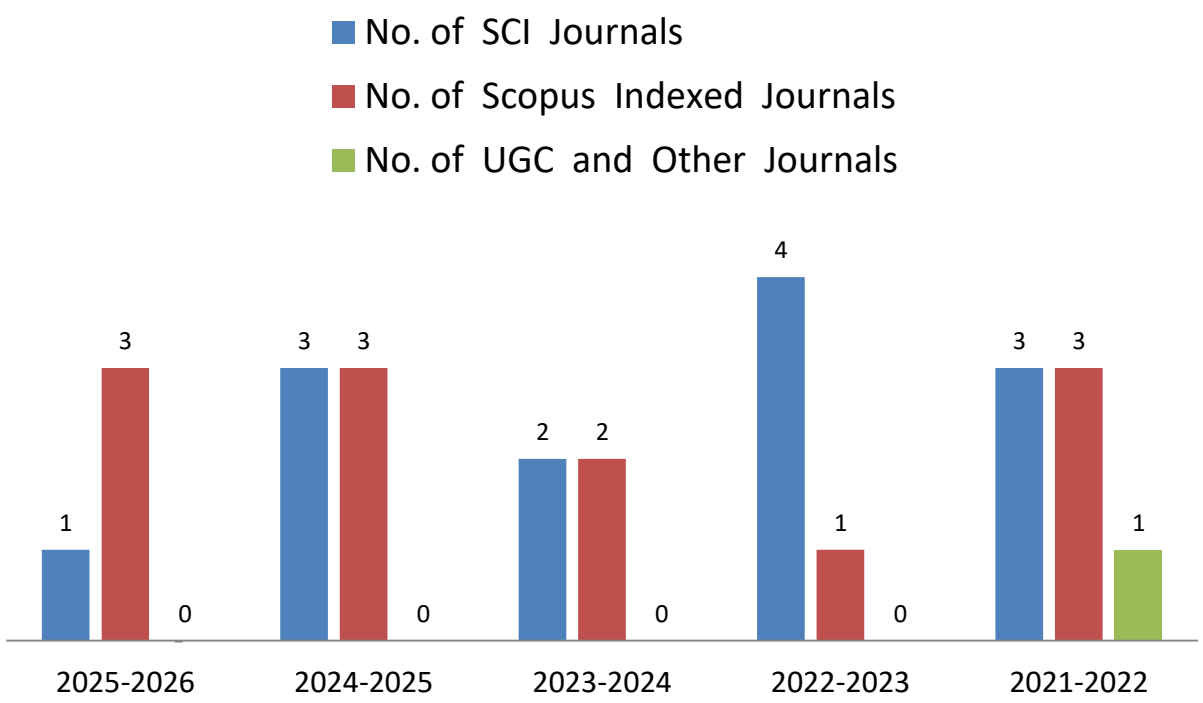
FACULTY ACHIEVEMENTS

Faculty Research Details

Ph.D Supervisor	Ph.D Awarded	Ph.D Pursuing
1	4	4

Faculty Publications

S.No	Year	No. of SCI Journals	No. of Scopus Indexed Journals	No. of UGC and Other Journals	Total
1	2025-2026	1	3	0	4
2	2024-2025	3	3	0	6
3	2023-2024	2	2	0	4
4	2022-2023	4	1	0	5
5	2021-2022	3	3	1	7



Research Paper Published 2025-26

Sl No	Faculty Name	Title of the Paper	Name of the Journal	Vol.No. Issue No., Page No.
1	Mrs. M. Geetha	Exploring properties of chemically treated kenaf and Pithecellobium dulce fibers hybrid composites	Journal of Polymer Research (SCI)	Vol. 32, Issue.7 Page. 1 - 12
2	Dr. N. Mehala	Common fired point theorems in Neutrosophic Metric space	Journal of Dalian University of Technology (SCOPUS)	Vol. 32, Issue. 10 Page. 445 – 464
3	Dr. N. Mehala	Common Neutrosophic Metrix space fixed point theorems with properties	Communication on Applied Non linear Analysis (SCOPUS)	Vol. 32, Issue. 10 Page. 2146 – 2161

Research Paper Published 2025-26

Sl No	Faculty Name	Title of the Paper	Name of the Journal	Vol.No. Issue No., Page No.
4	Dr. N. Kamatchi	Group distance magic set of group vertex magic Graphs	Journal of Combinatorial Mathematics and Combinatorial Computing (SCOPUS)	Vol. 127 Issue: 1 Page. 111 - 123

Research Paper Published 2024-25

Sl No	Faculty Name	Title of the Paper	Name of the Journal	Vol.No. Issue No., Page No.
1	Mrs. M. Geetha	Investigation on mechanical and acoustic properties of natural fiber based sustainable green resin hybrid composites	Polymer Composites (SCI)	Vol. 45, Issue.14 Page. 13297 – 13308
2	Mrs. M. Geetha	A Hybrid Honey Badger Algorithm to Solve the Energy-Efficient Hybrid Flow Shop Scheduling Problems	Processes (SCI)	Vol. 13, Issue. 1 Page. 174 – 1 – 16
3	Dr. N. Kamatchi	A characterization of group vertex magic trees of diameter up to 5	Australasian Journal of Combinatorics (SCI)	Vol. 85, Issue.1 Page. 49-65

Research Paper Published 2024-25

Sl No	Faculty Name	Title of the Paper	Name of the Journal	Vol.No. Issue No., Page No.
4	Dr. S. Brindha	Between closed sets and gw closed sets	Educational Administration and Theory (SCOPUS)	Vol.30 Issue. 2 Page. 458 - 466
5	Mr. P. Pandiaraj	On (α, β)-Total Edge Irregularity Strength of Some Graphs	Communications on Applied Nonlinear Analysis l (SCOPUS)	Vol. 32 Issue . 9 Page. 1-17
6	C.Revathy	Efficient Path Planning for Automated Guided Vehicles in Intelligent Logistics System using Double Q-learning	IEEE Explorer (SCOPUS)	Vol. 10.1109/ ICCIRT59484.20 24.10922065 Page. 1 - 5

Research Paper Published 2023-24

Sl No	Faculty Name	Title of the Paper	Name of the Journal	Vol.No. Issue No., Page No.
1	Mrs. M. Geetha	Development and Characterization of Sustainable Bioplastic Films Using Cellulose Extracted from Prosopis juliflora	Journal of Natural Fibers (SCI)	Vol.20, Iss.2, Page No: 1-17
2	Mrs. M. Geetha	Investigation of Fiber-Based Bag Filter Coated with Metal Oxides for Dust Adsorption	Fibers (SCOPUS)	Vol.11, Iss.1, Page No: 1-11
3	Mr. P. Pandiaraj	Further Results on (a, d) – Total Edge Irregularity Strength of Graphs	Baghdad Science Journal (SCOPUS)	Vol. 20., Iss 6., Page No: 2498 - 2507
4	Mrs. M. Geetha	A sequential hybrid optimization algorithm (SHOA) to solve the hybrid flowshop scheduling problems to minimize carbon footprint	Processes (SCI)	Vol. 12., Iss 1, Page No:I-XVII

Research Paper Published 2022-23

Sl No	Faculty Name	Title of the Paper	Name of the Journal	Vol.No. Issue No., Page No.
1	Mrs. M. Geetha	Mechanical and Acoustic properties of Bagasse – Coconut Coir based Hybrid Reinforced Composites	Journal of Natural Fibers (SCI)	Vol.19, Iss.11, Page No: 4105-4114
2	Mrs. M. Geetha	Development of Eco-Friendly Cutting Fluid for Machining of AISI 1010 Steel in Automotive Industry	Sustainability (SCI)	Vol.14, Iss.15, Page No: 1-12
3	Mrs. M. Geetha	Extraction and development of starch-based bioplastics from Prosopis Juliflora Plant: Eco-friendly and sustainability aspects	Current Research in Green and Sustainable Chemistry (SCOPUS)	Vol.5, Iss.1, Page No: 1-9
4	Dr. N. Kamatchi	On the products of group vertex magic graphs	AKCE International Journal of Graphs and Combinatorics (SCI)	Vol. 19. Iss.3, Page No: 268-275
5	Dr. N. Kamatchi	A Characterization of group vertex magic trees of diameter up to 5	Australasian Journal of Combinatorics (SCI)	Vol. 85. Iss.1, Page No: 49-60.

Research Paper Published 2021-2022

Sl No	Faculty Name	Title of the Paper	Name of the Journal	Vol.No. Issue No., Page No.
1	Mrs. M. Geetha	A memetic algorithm to solve uncertain energy-efficient flow shop scheduling problems	The International Journal of Advanced Manufacturing Technology (SCI)	Vol.115, Iss.1-2, Page No: 515-530
2	Mrs. M. Geetha	Solving industrial multiprocessor task scheduling problems using an improved monkey search algorithm(SCOPUS)	International Journal of Operational Research (SCOPUS)	Vol.41, Iss.1, Page No: 135-149
3	Mrs. M. Geetha	A novel palm sheath and sugarcane bagasse fiber based hybrid composites for automotive applications: An experimental approach	Polymer Composites (SCI)	Vol.41, Iss.1, Page No: 135-149
4	Mrs. M. Geetha	Development of hybrid composite materials for machine tool structures	Materials Today: Proceedings (SCOPUS)	Vol.47, Iss.19, Page No: 6746-6751

Research Paper Published 2021-2022

Sl No	Faculty Name	Title of the Paper	Name of the Journal	Vol.No. Issue No., Page No.
5	Mrs. M. Geetha	Investigation on mechanical properties of automobile strut made by GFRP composites	Materials Today: Proceedings (SCOPUS)	Vol.45, Iss.2, Page No: 1338-1347
6	Dr. A.Maheswari	Odd Vertex Equitable Even Labeling of Duplication and Product graphs.	International Journal of Mathematical Combinatorics	Vol. 1, Page No: 56-64
7	Dr. N. Mehala	Mathematical Analysis for Electron Transfer Mediator /Heterogeneous Catalyst Composites in Polymer Modified Electrodes	International journal of electrochemical Science (SCI)	Vol 17, Iss.1., Page No: 1-14

Research Paper Published 2020-2021

Sl No	Faculty Name	Title of the Paper	Name of the Journal	Vol.No. Issue No., Page No.
1	Mrs. M. Geetha	An improved particle swarm optimization algorithm to solve hybrid flowshop scheduling problems with the effect of human factors – A case study	Computers & Operations Research (SCI)	Vol.114, Page No: 1-8
2	Dr. N. Kamatchi	On group vertex magic graphs	AKCE International Journal of Graphs and Combinatorics (SCI)	Vol.17, Iss. 1 Page No: 461-465

Research Paper Published 2019-2020

Sl No	Faculty Name	Title of the Paper	Name of the Journal	Vol.No. Issue No., Page No.
1	Mrs. M. Geetha	A Modified Elephant Herd Optimization Algorithm to Solve the Single Machine Scheduling Problems	International Journal of Engineering and Advanced Technology (SCOPUS)	Vol.9, Iss.4, Page No: 23-29
2	Mrs. M. Geetha	A hybrid algorithm to solve the stochastic flow shop scheduling problems with machine break down	International Journal of Enterprise Network Management SCOPUS)	Vol.10, Iss.2, Page No: 162-175

Faculty Awards - NPTEL TOPPERS

NPTEL Toppers 2025 - 26

Dr. A. Maheswari ASP/ MATHS

Mrs. M. GEETHA AP/ MATHS

Faculty Awards - STARS

NPTEL Toppers 2025 - 26

Dr. A. Maheswari ASP/ MATHS

Dr. N. Mehala AP/ Maths

Mr. K. M. Sathish Kumar AP/ Maths

NPTEL™

Faculty Awards - NPTEL STARS

Discipline Star 2022-23

Dr.K. Thanalakshmi ASP/MATHS

Discipline Star 2023-24

Mrs. C. Revathy AP/ MATHS

Discipline Star 2024-25

Dr. A. Maheswari ASP/ MATHS

NPTEL

Faculty Awards - NPTEL STARS

NPTEL 2024-25

Dr. N. KAMATCHI,
ASP/ MATHS

Dr. S. BRINDHA,
AP/ MATHS

Mrs. M. GEETHA
AP/ MATHS

NPTEL

Faculty Awards - NPTEL TOPPERS

NPTEL Toppers 2023 - 24

Dr. N. KAMATCHI,
ASP/ MATHS

Dr. S. BRINDHA,
AP/ MATHS

Mrs. M. GEETHA
AP/ MATHS

Mrs. C. REVATHY
AP/ MATHS

NPTEL™

Faculty Awards - Best Reviewer

Dr. N. Kamatchi
ASP/ MATHS

NIT Calicut awarded an excellence in reviewing award for a wonderful contribution to the caliber of the AIP/CCIS Springer Conference Proceedings in September 2020.

FACULTY ACHIECEMENTS (2024 – 25)

- **Dr. N. Kamatchi served as a Resource Person for the International Conference on Emerging Trends and Challenges in Mathematical Innovations held on 6th and 7th February 2025 at Nadar Saraswathi College of Arts and Science, Autonomous, Theni.**
- **Dr. N. Kamatchi Enlisted in World Scientits and University Ranking 2023 published by AD Scientific Index during October 2023.**
- **Mrs. M. Geetha Enlisted in World Scientists and University Ranking 2023 published by AD Scientific Index during October 2023.**
- **Mrs. M. Geetha Enlisted in World Scientists and University Ranking 2022 published by AD Scientific Index during October 2022.**

FACULTY ACHIECEMENTS (2025 – 26)

- Mrs. M. Geetha served as a reviewer for the Journal "Engineering Optimization“ and reviewed a manuscript GENO-2025-0902 entitled "An improved memetic algorithm for minimising tardiness objectives on distributed hybrid flow shop considering sequence-dependent setup times."
- Dr. N. Kamatchi reviewed an research article for the AKCE International Journal of Graphs and Combinatorics journal which is SCOPUS and SCI indexed journal.
- Dr. N. Mehala Attended Mathematics training program (STEM) organized by IIT Madras from 15.12.25 to 23.12.25.
- Dr. N. Kamatchi successfully qualified Tamilnadu State Eligibility Test (TNSET) in September 2025.
- Dr. N. Kamatchi acted as a resource person for the workshop on Emerging Trends on Tools and Techniques in Mathematical Research organised by Department of Mathematics, Nadar Saraswathi College of Arts and Science, Theni.