

Name : Mrs. M. Lavanya

Designation : Assistant Professor

Department : Mathematics

Qualification : M.Sc., M. Phil., B.Ed., (Ph.D.)

Experience : Teaching: 8.11years Research: 1Year 3 Months

Area of Specialization(s) : Graph theory

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Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D	Fluid Dynamics	Dr.N.G.P Arts and Science College, Coimbatore	Pursuing
M.Phil.	Mathematics	PSGR Krishnammal College for Women	2014
M.Sc.	Mathematics	Avinashilingam Deemed University	2012
B.Sc.	Mathematics	PSGR Krishnammal College for Women	2006
B.Ed.	Mathematics	Dr.N.G.P. College of Education	2010

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Diploma Course	Optimizing Technology	Bharathiar University	2008
NPTEL Online course	Numerical Methods: Finite difference approach	IIT Kharagpur	2018
NPTEL Online course	Graph Theory	IIT Kharagpur	2020

Research Publications (Indexed)

International:

- S. Manimekalai, U.Mary, & M. Lavanya,, **Computation of topological Indices using python program for chemical graph structure**, International Conference on Applied and Computational Mathematics, Vol 1139, I, 2018, pp: 1-7, [Scopus Indexed].

Presentations in Conference

National:

- **Lower Bounds of The Chromatic Number**, National Conference on Emerging Trends in Pure and Applied Mathematics, Dr. N.G.P. Arts and Science College, Coimbatore, 14-Sep-15 to 15- Sep-15.
- **The Minimum Number of spanning Trees in K-Edge Connected Graph**, National Conference on Recent Advances in Mathematics and its Applications in Science and Engineering, Dr. N.G.P. Institute of Technology on 3-Feb-17.

International:

- **Properties of K-Quasi Normal Operator**, International Conference on Fuzzy Queueing Theory and Its Applications, Bharathidasan college of arts and science, Erode, 3- Sep-2016.
- **Computation of topological Indices using python program for chemical graph structure**, International Conference on Applied and Computational Mathematics Erode Arts and Science College, Erode, 10-Aug-18.

Participation in Conference

International:

- International Conference on “**Mathematics and its Applications-A New Wave (ICMANW-2011)**”, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, 21-Dec-11 to 22-Dec-11.

National:

- National Conference on Emerging Education Models for 21st Century Learner (NCEEM), Dr.N.G.P. Arts and Science College, Coimbatore, 1-Aug-2015.
- National Conference on Recent Advances in Theoretical and Computational Methods For Partial Differential Equations, Dr.N.G.P. Arts and Science College, Coimbatore, 6-Jan-2017 to 7-Jan-17.
- National conference on National Education Policy (Nep-2020) Opportunities And Challenges in Teacher Education, , Dr. NGP of Education, Coimbatore, 02 Feb-2023

Participation in Seminars

- One day State Level Seminar on Competency Based Teacher Education for Quality School Education, Dr.N.G.P. College of Education, Coimbatore, 10-Jan-10.
- International Symposium on NEOTERIC NOTION IN ALGEBRA (NNA – 2016), Nandha Arts and Science College, Erode, 21- Sep-16.
- National seminar on New Horizons in Mathematics, Rathinam College of Arts and Science, 3- Jan-18 to 4-Jan-18.
- National webinar on Catalan Number And its Application, KSG College of Arts and Science, 29- Nov-21.
- International webinar on Application of Topology in Data Analysis, Hindusthan College of Arts and Science, 22- Feb-23.

Participation in Workshop-

- State-level Youth Convention, Ramakrishna Mission Vidyalaya, 4-Dec-09 to 6-Dec-09
- State Level workshop on Applications of Statistical Tools Using R-Language-A Hands on Training, Dr. N.G.P. Arts and Science College, 23-Dec-16 to 24-Dec-16.
- National Hands on Workshop on Finite Method For Beginners and Engineers, Dr. N.G.P. Arts and Science College,Coimbatore, 20-Dec-18 to 21-Dec-18.
- International Workshop on Reinforcement of Quality Education, Vellalar College for Women ,Erode, 26-June-2020 to 2-July-2021.
- Mathematical Science for CSIR-NET/SET/GATE , Sree Narayana Guru College, Coimbatore,11-May-2020 to 15-May-2020.
- An Inside into mathematical Modeling in Information and Communication Engineering-Version 2, Sri Sivasubramaniya Nadar College of Engineering,27-Jan-2022-28-Jan-2022
- E-Awareness Workshop, NPTEL,6-Jan-2022.
- Fourteen day lecture workshop on “Current trends in Applications of Mathematics” Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai, 21-Sep-2022 to 04-Oct-2022.
- Two day National level lecture workshop on “How to crack CSIR-NET Exam” Sri Ramakrishna College of Arts and Science, held on 01-Mar-2023 to 02-Mar-2023.

Participation in Orientation Programme / Short Term Courses- Nil

- Three days Personality development Programme, P.S.G.R. Krishanmmal College For Women, Coimbatore, 5-Dec-08 to 7-Dec-08
- Three days Corporate Readiness Programme, P.S.G.R. Krishanmmal College For Women, Coimbatore, 15-Jan-09 to 17-Jan-09.

Participation in Faculty Development Programme

- Faculty Development Programme on R Programming , PSGR Krishnammal college for women, Coimbatore, 16 -Feb-18.
- Quality Initiatives in Higher Education, Dr. N.G.P. Arts and Science College, Coimbatore, 3-Dec-18 to 9-Dec-18.
- One Day FDP on Algebra and Number Theory, Dr.N.G.P Institute of Technology, Coimbatore, 18-May-2019.
- NAAC Revised Accreditation Frame Work and OBE Assessment Methodology Dr. N.G.P. Arts and Science College, Coimbatore, 27- May-19 to 2-June-19.
- Research Methodology and Pedagogy for Tertiary Education , Dr. N.G.P. Arts and Science College, Coimbatore, 3- June-21 to 21-June-21.

- Introduction to Mutual Fund, Dr. N.G.P. Arts and Science College, Coimbatore,27-Dec-2021
- National Level Virtual FDP on Graph Theory, Vellalar College for Women, Erode-12,21-Dec-2021 to 23-Dec-2021