

Name : Mrs. M. Lavanya

Designation : Assistant Professor

Department : Mathematics

Qualification : M. Sc., M. Phil.

Experience:

Teaching: 5 year

Industry: Nil

Research: Nil

Area of Specialization(s) : Graph theory

Email (Official ID) : lavanya@drngpasc.ac.in

Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
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	Optimizing Technology	Bharathiar University	2008
NPTEL Online Certificate	Numerical Methods: Finite difference approach	IIT, Kharagpur	2018

Research Publications (Indexed)

International

- 1) 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

- 1) **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 & 15-Sep-15.

- 2) **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, 3-Feb-17.

International

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

Participation in Conference

International

- 1) **Mathematics and its Applications - A New Wave (ICMANW-2011)**, Avinashilingam Institute for Home Science and Higher Education for Women, 21 & 22-Dec-11.

National

- 1) **Emerging Education Models for 21st Century Learner (NCEEM)**, Dr. N.G.P. Arts and Science College, 1-Aug-15.
- 2) **Recent Advances in Theoretical and Computational Methods For Partial Differential Equations**, Dr. N.G.P. Arts and Science College, 6 & 7-Jan-17.

Participation in Seminars

- 1) State Level Seminar on **Competency Based Teacher Education for Quality School Education**, Dr. N.G.P. College of Education, 10-Jan-10.
- 2) International Symposium on **Neoteric Notion in Algebra (NNA – 2016)**, Nandha Arts and Science College, 21- Sep-16.
- 3) National Seminar on **New Horizons in Mathematics**, Rathinam College of Arts and Science, 3 & 4-Jan-18.

Participation in Workshop

- 1) State Level **Youth Convention**, Ramakrishna Mission Vidyalaya, 4 to 6-Dec-09.

- 2) State Level Workshop on **Applications of Statistical Tools Using R-Language - A Hands on Training**, Dr. N.G.P. Arts and Science College, 23 & 24-Dec-16.
- 3) National Hands on Workshop on **Finite Method for Beginners and Engineers**, Dr. N.G.P. Arts and Science College, 20 & 21-Dec-18.

Participation in Orientation Programme / Short Term Courses

- 1) **Personality Development Programme**, P.S.G.R. Krishanmmal College for Women, 5 to 7-Dec-08.
- 2) **Corporate Readiness Programme**, P.S.G.R. Krishanmmal College For Women, 15 to 17-Jan-09.

Participation in Faculty Development Programme

- 1) **R Programming**, PSGR Krishnammal College for Women, 16-Feb18.
- 2) **Quality Initiatives in Higher Education**, Dr. N.G.P. Arts and Science College, 3 to 9-Dec-18.