

Name : S. Gokilamani

Designation : Assistant Professor

Department : Mathematics

Qualification : M. Sc., M. Phil., PGDCA., UGC – SET, (Ph. D.)

Experience:

Teaching: 10 Years Industry: Nil Research: 4 Years

Area of Specialization(s) : Graph Theory, Algebra

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

Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Mathematics	Vellalar College for Women	Pursuing
M. Phil.	Mathematics	P.S.G.R. Krishnammal College for Women	2009
M. Sc.	Mathematics	P.S.G College of Arts and Science	2008
B. Sc.	Mathematics (CA)	Dr. N.G.P. Arts and Science College	2006

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
SET	Mathematics	UGC	2017
NPTEL online Certification	Advanced Graph Theory	IIT, Madras	2018
NPTEL online Certification	Data Base Management System	IIT, Kaharagpur	2018
NPTEL online Certification	Introduction to R Software	IIT, Kanpur	2017
NPTEL online Certification	Graph Theory	IIT, Madras	2017
Post Graduate Diploma	Computer Applications	Bharathiar University	2008

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
M. Phil.	2	-

Publications: International / National Journals

- 1) S. Manimekalai , S. Gokilamani, M. Revathy, **An Advanced Method for Solving Fuzzy Transportation Problem with Minimum Cost Using Robust Ranking Method(RRT)**, International Journal of Science and research (IJSR), Vol. 4, Issue 4, April 2015, ISSN:2319-7064.
- 2) S. Gokilamani, R. Anandhi, **Precoloring Extension (PREXT) for Interval Graphs**, Conference Proceeding National Conference on Emerging Trends in Pure and Applied Mathematics, Vol. 7, Issue 8, August 2015.
- 3) R. Anandhi, S. Manimekalai , S. Gokilamani, S. Vaishnavidevi, **Advanced Techniques in Fuzzy $\hat{\mu}$ - Open Sets For Scientific Research**, International Journal of Scientific Engineering and Research, Vol. 4, Issue 7, July 2013, ISSN/ISBN No. 2229-5518.
- 4) S. Manimekalai , S. Gokilamani, R. Anandhi, **Friendship Two-Graphs In Route Mapping Technology**, International Journal of Scientific Engineering and Research, Vol. 2, Issue 9, September 2014, ISSN/ISBN No. 2437-3878.

Presentations in Conference

- 1) **Balanced Rank Distribution Labeling of Graphs**, National seminar on Arising Developments in Graph theory (NSADGT-2018), PSGR Krishnammal College for Women, 12-Dec-18.
- 2) **A Study on Planar Digraphs without Large Acyclic Sets**, National seminar on Recent Developments in Pure and Applied Mathematics, Karpagam University, Coimbatore, 15-Sep 17.
- 3) **A Property of Eigen Vectors of Non-Negative Symmetric Matrices and its Applications to Graph Theory**, National Level Conference on Optimization techniques and its applications sponsored by Tamil Nadu State Council for Science and Technology, Bharathidasan College of Arts and Science, 17 & 18-Aug-17.
- 4) **Vertex-Edge Coloring Techniques with Applications**, National Conference on Current Scenario in the Applications of Mathematical Sciences, Vellalar College for Women, 9- Feb -17.
- 5) **Graph Theory and its Applications**, National Conference on Recent Advances in Mathematics and its Applications in Science and Engineering (NCRMA-2017), Dr. N.G.P. Institute of Technology, Coimbatore, 3-Feb-17.
- 6) **Windmill and Friendship Two Graph in Route Mapping Technology**, International Conference on Fuzzy Queuing theory and its Applications, Bharathidasan College of Arts & Science, 3-Sep-16.

- 7) **Precoloring Extension (PREXT) for Interval Graphs**, National Conference on Emerging Trends in Pure and Applied Mathematics, Dr. N.G.P. Arts and Science College, Coimbatore, 14 & 15-Sep-15.

Participation in Conference

International

- 1) International Symposium on Neoteric Notion in Algebra, Nandha Arts and Science College, Erode, 21-Sep-16.

National

- 1) Emerging trends in topology and applications of Analysis, Kongu Arts and Science College, 10-Feb-17.

Participation in Seminars

- 1) **Some Recent Research Directions in Graph Theory**, Ayya Nadar Janaki Ammal College, 9 & 10-Mar-18.

Participation in Workshop

- 1) **Revised Assessment & Accreditation Framework of NAAC**, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, 27-Oct-18.
- 2) **Graph Coloring & Algebraic Graph Theory (UGC SAP Sponsored)**, Pondicherry University, Puducherry, 6 to 10-Mar-18.
- 3) **DBT sponsored Two Day Workshop on Discrete Mathematics and its Applications**, Vellalar College for Women, 21 & 22-Feb-18.
- 4) **SCILAB- An Open Source Tool Equivalent to MATLAB**, Dr. N.G.P. Arts and Science College, Coimbatore, 23-Sep-17.
- 5) **Data Analytics using R-Software**, Bannari Amman Institute of Technology, 14 & 15-Jul-17.

Participation in Faculty Development Programme

- 1) **Introduction to Python Programming**, ICT Academy, Sri Ramakrishna College of Arts and Science for Women, 17-Dec-18 to 18-Dec-18.
- 2) **Linear Algebra and its Applications**, Dr. N.G.P. Institute of Technology, Coimbatore, 28-July-18.

Conference / Seminar / Workshop Organized

- 1) Convener, Workshop on R-Walk Through For Data Analytics, Department of Mathematics CA, Dr. N.G.P. Arts and Science College, Coimbatore, 8-Sep-18.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
The Association of Mathematics Teachers of India (AMTI)	Life-time	-

Awards / Honors

Awards / Honors	Agency / Institute	Year of Award
University III Rank	Bharathiar University	2006