

**Name** : Mrs. G. Nagalakshmi

**Designation** : Assistant Professor

**Department** : Mathematics

**Qualification** : M.Sc., M. Phil., MBA

**Experience:**

Teaching: 7 Years

Industry: Nil

Research: 2 years

**Area of Specialization(s)** : Operations Research

**Email (Official ID)** : nagalakshmi@drngpasc.ac.in

### Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
MBA	General	Bharathiar University	2015
M. Phil.	Mathematics	Dr. N.G.P. Arts and Science College	2014
M. Sc.	Mathematics	Dr. N.G.P. Arts and Science College	2011
B. Sc.	Mathematics (CA)	Hindustan College of Arts & Science	2009

### Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
NPTEL Online Certification	Calculus for Economics and Management	IIT, Kharagpur	2018

### Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
M. Phil.	-	1

### Research Publications (Indexed)

#### International

- 1) B. Satheesh Kumar, G. Nagalakshmi, **The Effective use of Resource for Bus Scheduling using Linear Programming**, International Journal of Scientific Research (IJSR), Volume 3 Issue 9, pp.-63-65, September 2014, ISSN (Online): 2277 - 8179.

- 2) B. Satheesh Kumar, G. Nagalakshmi, **A Shift Sequence for Nurse Scheduling using Linear Programming Problem**, International Organization of Scientific Research-Journal of Nursing and Health Science, Volume 3, Issue 6 (version - I), pp.24-28, Nov-Dec 2014, e-ISSN:2320-1959, p-ISSN:2320-1940.
- 3) B. Satheesh Kumar, G. Nagalakshmi, **An Advanced Method for solving Fuzzy Transportation Problem with Robust Ranking Technique**, International Journal of scientific research and management (IJSRM) ,Volume2,Issue 10,pp.1525-1530, ISSN (e): 2321-3418.
- 4) B. Satheesh Kumar, G. Nagalakshmi, **A Constraint Programming and Hybrid Approach to Nurse Rostering Problems**, International Journal on Recent and Innovation Trends in Computing and Communication, Volume: 3, Issue 3, pp.12471251, ISSN2321-8169.
- 5) B. Satheesh Kumar, G. Nagalakshmi, **Principles of Optimization Techniques to Combinatorial Optimization Problems and Decomposition**, International Journal of Scientific Research and Management, Volume: 3, Issue 4, pp. 2582-2588, April 2015, ISSN (e):2321-3418.
- 6) B. Satheesh Kumar, G. Nagalakshmi, **A Comparison of Quality Approaches for Supporting Nurse Scheduling**, IJSRD - International Journal for Scientific Research & Development Vol. 3, Issue 03, 2015 ISSN (online): 2321-0613.
- 7) B. Satheesh Kumar, G. Nagalakshmi, **A Comparative Study on ZSM and LCM in Fuzzy Transportation Problem**, Global journal of Pure and Applied Mathematics, July-2017, ISSN / ISBN No. 0973-1768.

#### **Presentations in Conference**

- 1) **Uses of Laplace Transforms in MATLAB**, State Level Seminar on Advanced Trends in Mathematical Sciences, Dr. N.G.P Arts and Science College, 17-Feb-12.
- 2) **Operations Research in Passenger Railway Transportation**, National Level Conference on OPTIMIZATION TECHNIQUES AND DECISION MAKING ANALYSIS (NCOTDMA-2013), Dr. N.G.P Arts and Science College, 25-Sep-13.
- 3) **A Study on Fuzzy Transportation Problem under Modified Vogel's Approximation Method**, National Level Conference on Mathematical Science and its Computational Aspects (NCMSCA-2013), Dr. N.G.P Arts and Science College, 7-Feb-13.

- 4) **Algorithm for Finding Maximum Independent Set of a Graph**, National Conference on Emerging Trends in Pure and Applied Mathematics, Dr. N. G. P Arts and Science College, 14 & 15-Sep-15.

### Participation in Conference

#### National

- 1) **Advance in Applied Mathematics - NCAAM-2011** (UGC Sponsored), Bharathiar University, Coimbatore, 20 & 21-Jan-11.
- 2) **Nonlinear Differential Equations and Dynamical Systems - NDEDS-2011** (UGC Sponsored), Sri Ramakrishna Mission Vidyalyaya College at Arts and Science, 18 & 19-Feb-11.
- 3) **Regional Science Congress on Science for shaping the future of India**, Kongunadu Arts and Science College, 15 & 16-Dec-12.
- 4) **A Recent Advances in Graph Theory and its Applications** (NCRAGTA'14), Kongu Arts and Science College, 25-Jan-14.
- 5) **Emerging Education Models for 21st Century Learner**, The Association of Principals, Bharathiar University, Dr. N. G. P Arts and Science College, 1-Aug-15
- 6) **Neoteric Notion in Algebra**, Nandha Arts and Science College, 21-Sep-16.
- 7) **Balancing Work and family as a career Women** , Dr. N.G.P Arts and Science College, 29-Sep-16
- 8) **Stochastic Differential Equations and its Applications**, Dr. N.G.P. Arts and Science College, 27-Dec-17.
- 9) **Opportunities and Challenges of Operation Research in Healthcare**, Dr. N.G.P. Arts and Science College, 9-Feb-18.

### Participation in Seminars

- 1) State Level Seminar on Modern Trends in Mathematical Sciences, Dr. N.G.P Arts and Science College, 5-Mar-10.

### Participation in Workshop

- 1) MATLAB, Dr. N.G.P Arts and Science College, 20-Dec-12.

- 2) **Mathematical Softwares**, Dr. N.G.P. Arts and Science College, Coimbatore, 9 to 11-Jan-14.
- 3) **Placement Readiness**, Dr. N.G.P. Arts and Science College, Association with the Department of Extension & Career Guidance, Bharathiar University, 10 to 12-Feb-14.
- 4) **SCILAB - An Open Source Tool Equivalent to MATLAB** , Dr.NGP Arts and Science College, 2-Sep-17

#### **Participation in Faculty Development Programme**

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

#### **Member in BoS**

- 1) Board of Mathematics (CA), Hindhustan College of Arts and Science, Coimbatore.